OpenManage Enterprise Version 3.4 and OpenManage Enterprise - Modular Edition Version 1.20.00

RESTful API Guide

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Notes, cautions, and warnings

NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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About this document

This document contains information about the resource models for OpenManage Enterprise and OpenManage Enterprise – Modular Edition (OME–Modular). Each RESTful API specification includes the URI, method, parameters, request codes, and response codes. Some of the APIs are available only in OME–Modular and do not work if used in OME–Modular and the opposite way.

Table 1. Supported REST API versions

Product	Date of release	What's new
OpenManage Enterprise 3.4	June 2020	• The following APIs are available from version 3.4: ○ APIs to discover servers by using Server-initiated discovery feature. For more information, see Server-initiated discovery on page 560. ○ APIs to manage profiles. For more information, see Profiles on page 537. • The following APIs are not available from version 3.4: ○ See /api/TemplateService/Profiles on page 487. ○ See /api/TemplateService/Profiles(Id) on page 488. ○ See /api/TemplateService/ProfileState on page 488. ○ See /api/TemplateService/ProfileUsage on page 489. ○ See /api/TemplateService/Actions/TemplateService.AttachProfile on page 490. ○ See /api/TemplateService/Actions/TemplateService.AssociateProfile. ○ See /api/TemplateService/Actions/TemplateService.UpdateProfile on page 491. ○ See /api/TemplateService/Actions/TemplateService.MigrateProfile on page 491. ○ See /api/TemplateService/Actions/TemplateService.DetachProfile on page 492.
OpenManage Enterprise – Modular Edition 1.20.00	June 2020	• API updated to configure Forward Error Configuration (FEC) for IOM ports and force reset. For more information, see /api/JobService/Jobs. • Added a new filter option for fabrics. For more information, see /api/NetworkConfigurationService/Networks and /api/NetworkService/Fabrics(Id)/Servers • New attributes added to APIs. For more information, see /api/NetworkService/

Table 1. Supported REST API versions (continued)

Product	Date of release	What's new
		Fabrics(Id)/Uplinks(Id) and /api/ManagementDomainService • APIs to validate, import, and export VLAN definitions. For more information, see, NetworkConfigurationService. • API to log off from the current user session. For more information, see /api/SessionService/Actions/SessionService.Logoff. • APIs to update untagged network profiles to an existing interface for one or more servers. For more information, see Fabric management. • API for getting sync failure alert timeout values. For more information, see /api/ManagementDomainService/GetSyncFailureAlertTimeoutValues
OpenManage Enterprise – Modular Edition 1.10.00	September 2019	• APIs to get firmware baselines and catalog information. For more information, see Firmware • APIs to manage server profiles. For more information, see Deploy. • APIs to manage jobs. For more information, see Jobs. • APIs to manage chassis groups. For more information, see Groups. • APIs to filter the alerts. For more information, see Alerts. • APIs to manage fabric uplinks. For more information, see Fabric Management.

2

Overview

RESTful API support in OpenManage Enterprise, OpenManage Enterprise and OME–Modular

OME–Modular supports RESTful API. Support for APIs has also been improved for OpenManage Enterprise. Improved support for APIs on these products enhances the systems management capabilities. The RESTful interface is provided over HTTPS in JSON format based on ODATA v4 usable by clients, scripts, and browser-based GUIs. The APIs enable you to build console management tools based on common programming and scripting languages such as Python, Java, and C.

For more information about REST, see publically-available resources.

Topics:

- RESTful application programming interface
- OData
- JSON data
- HTTPS communication
- OpenManage Enterprise – Modular Edition
- OpenManage Enterprise

RESTful application programming interface

Representational State Transfer or REST is a software architectural style used within the World Wide Web. REST architectures are commonly used for many IT solutions, including the definition of web-based APIs. Systems that adhere to REST practices are often referred to as RESTful interfaces. RESTful interfaces use the HTTP methods—GET, POST, DELETE, and so on—that web browsers use to access web pages.

OData

OData is an open protocol standard for the definition and exchange of information using RESTful APIs. When implementing a common interface across multiple vendors, it is important to standardize the data formats. Standardizing the data formats ensure that the data structures remain interchangeable between different manufacturers.

JSON data

Console API represents data using JSON. JSON is a lightweight data-interchange format that is readable and can also be easily parsed by machines. JSON is based on a subset of the JavaScript Programming Language. JSON uses a text format that is language independent but uses conventions familiar to programmers of the C-family of languages such as C, C++, C#, Java, JavaScript, PERL, and Python. These properties make JSON an ideal data-interchange language.

HTTPS communication

The Hypertext Transfer Protocol or HTTP is an application protocol for distributed, collaborative, hypermedia information systems. HTTP forms the foundation of data communication for the World Wide Web. Secure HTTP (HTTPS) is a secure version of HTTP where it operates within a network connection encrypted by TLS or SSL. By enforcing HTTPS, the security of console management is significantly enhanced.

OpenManage Enterprise – Modular Edition

OpenManage Enterprise – Modular Edition (OME–Modular) is the systems management software that runs on the Dell EMC PowerEdge MX-series chassis. OME–Modular shares a common codebase with OpenManage Enterprise and delivers an agile, reliable, and comprehensive platform to manage PowerEdge MX-series servers, storage, and networking products. OME–Modular boosts services delivery and restores IT agility for growing businesses. A unified web and RESTful API interface manages all nodes including compute, storage, and networking. OME–Modular helps reduce costs and learning curve, and consolidates multiple tools for ease of access and monitoring. Simplified administration helps deploy and monitor at scale, from one to many chassis, with support for remote management. Agile and intelligent automation of OME–Modular helps faster hardware deployments and reduces repetitive tasks for accelerated life cycle management. Some of the key features of OME–Modular include:

- Capability to manage servers across multiple MX-series chassis
- Fast deployment with automatic chassis and node discovery
- Comprehensive RESTful API to automate multiple tasks and integrate with third-party tools
- Enhanced management with redundant OME-M module, touchscreen LCD, and OpenManage Mobile options for remote access
- Expanded management across all PowerEdge servers with OpenManage Enterprise

OpenManage Enterprise

OpenManage Enterprise is a hardware management and monitoring console that provides a comprehensive view of devices. These devices include servers, chassis, network switches, and other third-party devices on the enterprise network. OpenManage Enterprise is designed with a focus on simplicity, automation, and unification of data center management. Some of the key features of OpenManage Enterprise include:

- Architecture is delivered as a virtual appliance—ESXi, Hyper-V, and KVM
- Engineered on CentOS with PostgreSQL database
- No operating system and database licenses are required
- End-to-end server life cycle management that includes inventory, monitoring, reporting, configuration, and deployment
- Northbound API that helps you automate and integrate with existing solutions
- Simplified discovery processes that enable devices to automatically register themselves with the console
- Intuitive interface that minimizes management steps
- Modernized dashboard that provides a clear view of alerts and options for performing corrective actions
- Access to warranty status
- Customized reporting capabilities

3

Key integration concepts

This section describes the key integration concepts that are applicable to the use cases and resource model.

Topics:

- Base URI
- Security
- Authentication
- Authorization
- Resource addressing
- Resource operations
- Security considerations
- Data filtering
- Data sorting
- Data pagination
- Request headers
- Response codes
- Response headers

Base URI

REST API tree structure

The console software provides a web-based hypermedia driven API using a simple folder structure. The client that is provided with the Service Root URI navigates through the entire resource tree through the links in the response payload on the individual URIs. The following schemes are provided for the Service Root URI:

- OEM Scheme
- Redfish Scheme

OEM scheme

```
https://[IP or DNS name]/api
```

Resource tree for OME–Modular OEM scheme

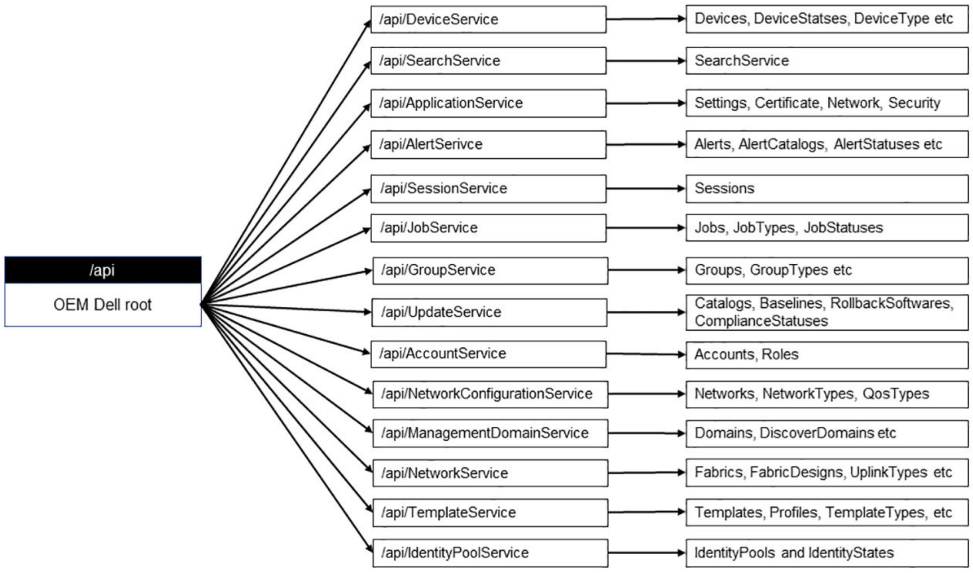

Figure 1. Resource tree for OME–Modular OEM scheme

Resource tree for OpenManage Enterprise OEM scheme

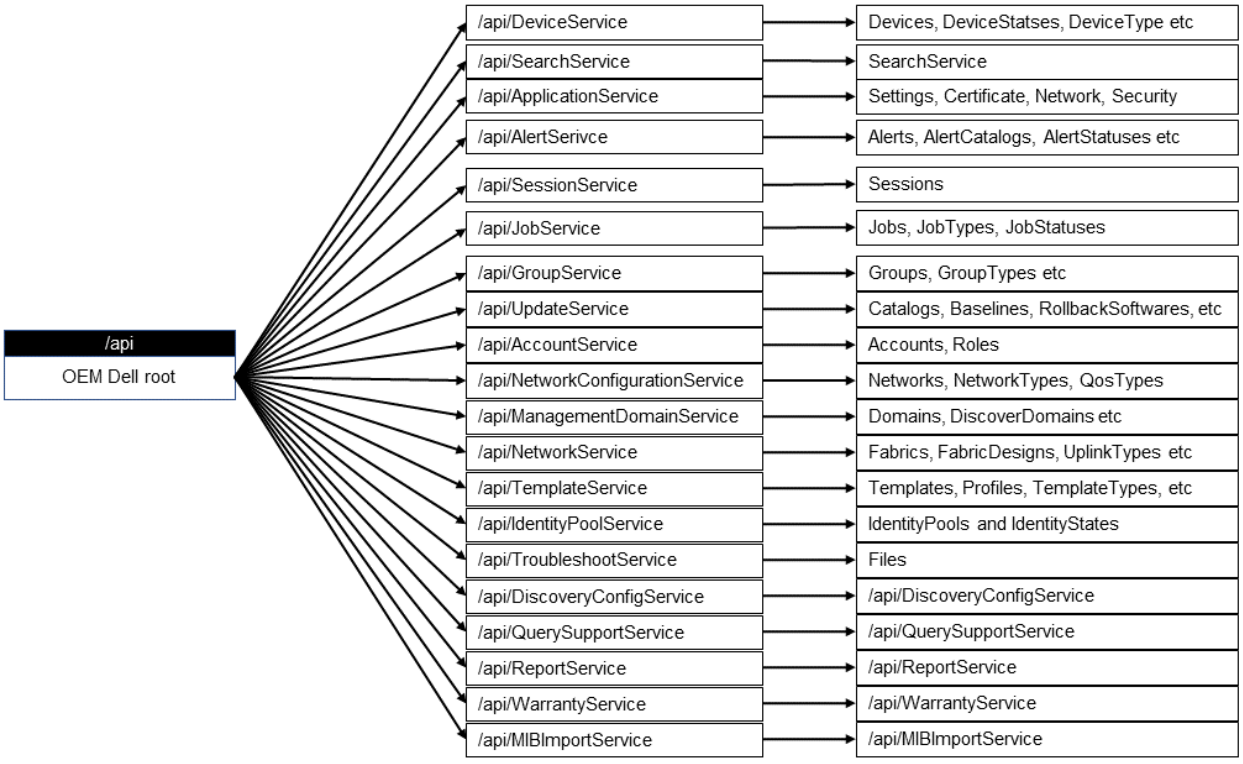

Figure 2. Resource tree for OpenManage Enterprise OEM scheme

Resource model

```
https://[IP or DNS name]/api/$metadata
```

Redfish scheme

```
https://[IP or DNS name]/redfish/v1
```

Resource tree for Redfish scheme

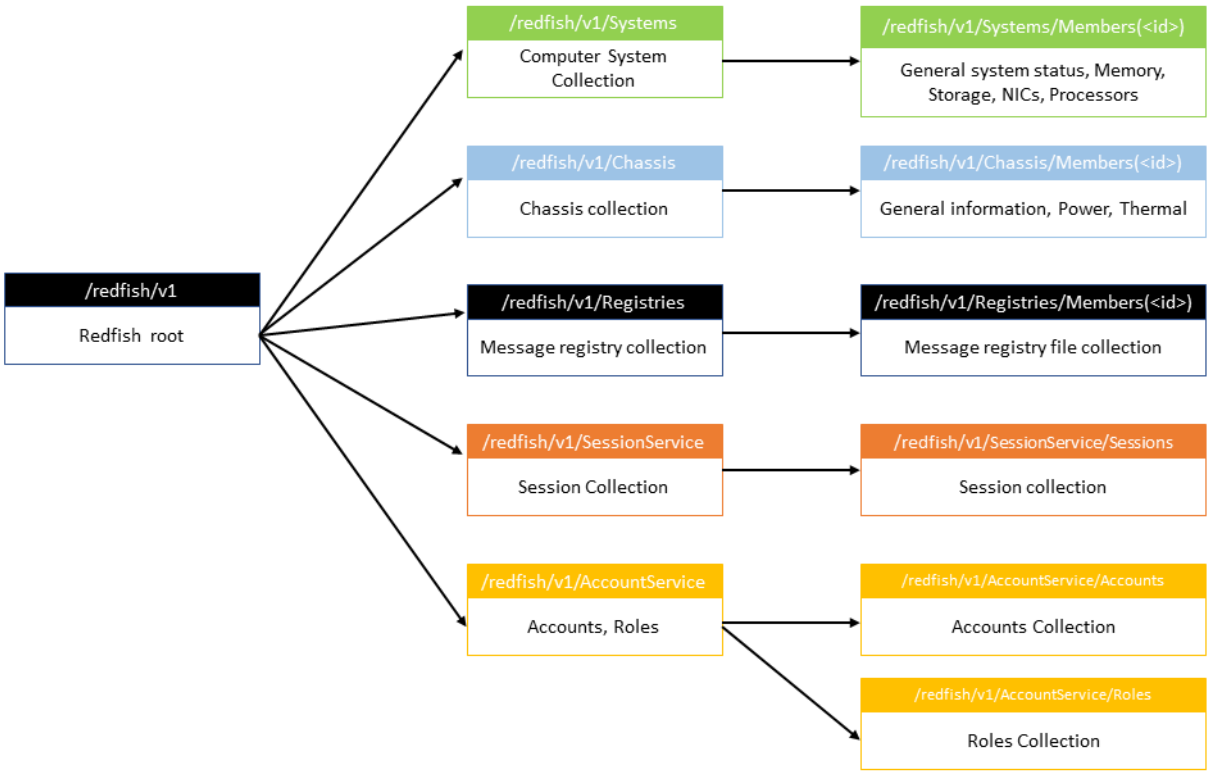

Figure 3. Resource tree for Redfish scheme

NOTE: Current version of the console supports the DMTF-defined schema for a selected set of resources in the hierarchy that is outlined in this image.

Resource model

```
https://[IP or DNS name]/redfish/v1/$metadata
```

Security

To improve security, only HTTPS is supported. You can also update the SSL self-signed certificate with a custom certificate. For example, you can upload a PKCS-12 certificate or sign an application-generated Certificate Signing Request (CSR).

Authentication

Several common schemes are available for enabling authentication of REST requests. Basic Authentication and X-Auth-Token Authentication are some of the common schemes.

Basic authentication

The authorization header in the request has the base-64 encoding of the credentials—username and password. If you do not provide the credentials, a 401—Authorization Failure error is returned. Basic Authentication is supported only when SSL/TLS is used for the transport.

X-Auth-Token authentication

X-Auth-Token Authentication provides a more secure implementation. To establish a session, perform a POST operation on the `SessionService` REST API.

```
POST https://[ IP Address ]/api/SessionService/Sessions
Input
{
    "UserName":"root",
    "Password":"linux",
    "SessionType":"API"
}
```

The X-Auth-Token is available in the header that is returned.

```
connection →Keep-Alive
content-length →268
content-type →application/json; odata.metadata=minimal
date →Tue, 05 Sep 2017 11:55:29 GMT
keep-alive →timeout=5, max=150
location →/api/SessionService/Sessions('e1817fe6-97e5-4ea0-88a9-d865c7302152')
odata-version →4.0
server →Apache
x-auth-token →13bc3f63-9376-44dc-a09f-3a94591a7c5d
x-frame-options →DENY
```

This X-Auth-Token is used in the header for subsequent REST operations and to authenticate the user.

Authorization

Table 2. Authentication and authorization requirements

Actions	Authentication required	Authorization required
Read operation on any instrumentation data	Y	Y
Modify instrumentation data	Y	Y
Invoke actions	Y	Y
View service root	N	N
View metadata document	N	N
View OData service document	N	N
View message registry	Y	N
View Redfish version URI	N	N
View JSONSchemaFile resource URI	N/A	N/A
View JSON schemas URI	N/A	N/A

OME - Modular

Table 3. Role descriptions OME-Modular

Role	Description
VIEW	View all data, report execution and management, and so on.
APPLIANCE_SETUP	Global appliance/OME - Modular settings that involve setup of the appliance.
SECURITY_SETUP	User management, security policies, proxy, and firewall setup.

Table 3. Role descriptions OME-Modular (continued)

Role	Description
MONITORING_SETUP	Alerting policies, forwarding, SupportAssist, and so on.
POWER_CONTROL	Reboot or power-cycle device.
DEVICE_CONFIGURATION	Device configuration, application of templates, manage or migrate IO identity, storage mapping, and so on.
OPERATING_SYSTEM_DEPLOYMENT	Deploy operating system, map to LUN, and so on.
DEVICE_UPDATE	Device firmware update, application of update baselines, and so on.
TEMPLATE_MANAGEMENT	Create and manage templates.
BASELINE_MANAGEMENT	Create and manage baselines for firmware and configuration policies.
POWER_MANAGEMENT	Set power budgets.
JOB_MANAGEMENT	Run and manage jobs.
ALERT_MANAGEMENT	Manage alerts and perform alert-related actions.
FABRIC_MANAGEMENT	Manage fabrics and perform fabric-related actions.
NETWORK_MANAGEMENT	Manage networks and perform network-related actions.

Table 4. Roles and associated privileges for OME - Modular

Privilege	Roles				
	CHASSIS_ADMINISTRATOR	COMPUTE_MANAGER	STORAGE_MANAGER	FABRIC_MANAGER	VIEWER
VIEW	Y	Y	Y	Y	Y
APPLIANCE_SETUP	Y				
SECURITY_SETUP	Y				
MONITORING_SETUP	Y				
POWER_CONTROL	Y	Y	Y	Y	
DEVICE_CONFIGURATION	Y	Y	Y	Y	
OPERATING_SYSTEM_DEPLOYMENT	Y	Y			
DEVICE_UPDATE	Y	Y	Y	Y	
TEMPLATE_MANAGEMENT	Y	Y			
BASELINE_MANAGEMENT	Y	Y	Y	Y	
POWER_MANAGEMENT	Y	Y			
JOB_MANAGEMENT	Y	Y	Y	Y	
ALERT_MANAGEMENT	Y				
FABRIC_MANAGEMENT	Y			Y	

Table 4. Roles and associated privileges for OME - Modular (continued)

Privilege	Roles				
	CHASSIS_ADMINISTRATOR	COMPUTE_MANAGER	STORAGE_MANAGER	FABRIC_MANAGER	VIEWER
NETWORK_MANAGEMENT	Y	Y		Y	

OME - Modular

Table 5. Roles and associated privileges for OME - Modular

Privilege	Roles		
	ADMINISTRATOR	DEVICE_MANAGER	VIEWER
APPLIANCE_SETUP	Y	N	N
BASELINE_MANAGEMENT	Y	N	N
DEVICE_CONFIGURATION	Y	Y	N
DEVICE_UPDATE	Y	Y	N
DISCOVERY_MANAGEMENT	Y	N	N
INVENTORY_MANAGEMENT	Y	N	N
JOB_MANAGEMENT	Y	Y	N
MONITORING_SETUP	Y	Y	N
OPERATING_SYSTEM_DEPLOYMENT	Y	Y	N
POWER_CONTROL	Y	Y	N
POWER_MANAGEMENT	Y	Y	N
REPORT_MANAGEMENT	Y	Y	N
REPORT_RUN	Y	Y	Y
SECURITY_SETUP	Y	N	N
TEMPLATE_MANAGEMENT	Y	Y	N
TRAP_MANAGEMENT	Y	N	N
VIEW	Y	Y	Y
ALERT_MANAGEMENT	Y	N	N
AUTO_DEPLOY_MANAGEMENT	Y	N	N
FABRIC_MANAGEMENT	Y	N	N
NETWORK_MANAGEMENT	Y	N	N

Resource addressing

Each managed resource must be uniquely addressable using a distinct URI. The URI syntax must be intuitive and should indicate the relationships with a parent resource.

There are several ways to address specific resources either as instances of specific resource classes or within an associated parent context.

Following is the format of a resource URI:

```
<BASE_URI>/<resource class identifier>/<resource instance identifier>
```

Following is an example of a resource URI, where 1234 is the unique identifier for the device:

```
<BASE_URI>/DeviceService/Devices(1234)
```

Resource operations

Standard HTTP methods are used for creating, retrieving, updating, and deleting resources. The mapping of the HTTP methods to operational semantics is described in the following table:

Table 6. HTTP methods

HTTP method	Description	Example
GET	Used for retrieving the resource representation. This method does not modify the resource across repeated invocations. The query parameters are appended to the URI to appropriately filter the resource instances.	Retrieve logs with dates only after 2016-11-15 16:35:39.820. `GET <BASE_URI>/ ApplicationService/ AuditLogs? $filter=CreatedDate gt '2016-11-15 16:35:39.820'`
POST	Used for creating resources or performing actions.	Create a user session. Payload is not displayed. `POST <BASE_URI>/ SessionService/Sessions`
PUT	Used for updating a specific instance or create a specific resource instance with a specific identifier.	Update the user account details. Payload is not displayed. `PUT <BASE_URI>/ AccountService/ Accounts('1414')`
DELETE	Used for removing a specific resource. If the resource does not exist, a Success response is returned.	Delete a specific user account. `DELETE <BASE_URI>/ AccountService/ Accounts('1414')`

When you perform tasks using these methods, they return an HTTP response code. For more information about the response codes, see Status Code Definitions on the W3.org website. If a method fails, you may also see an Error and Event Message code. You can search for more details about this code using the Dell QRL app on your mobile device.

Security considerations

For performing update and delete operations, you must be authorized to perform the operations on the resource. If you do not have the required permission, an *Unauthorized* error is returned.

Data filtering

The console software provides filtering options on certain URIs that return a collection of entities. Using this feature, the clients can extract a selected set of records using comparison operators on attributes of the model entity behind the collection. The relevant URI sections contain the information about the attributes and the operators that support filtering.

```
<Collection API>?$filter=<attribute> <operator> <value>&<attribute> <operator> <value>
```

Examples:

Filter devices by system ID	`/api/DeviceService/Devices?$filter=SystemId eq 123`
Filter devices by model	`/api/DeviceService/Devices?$filter=Model eq 'PowerEdge MX740c'`
Filter devices by device type	`/api/DeviceService/Devices?$filter=Type eq 3000 or Type eq 5000` **NOTE: For enumeration of Type, see `/api/DeviceService/DeviceType`.**

For more information about `$filter`, see OData Version 4.0 Part 1: Protocol at docs.oasis-open.org.

Data sorting

The console software provides sorting options on certain URIs that return a collection of entities. The sorting options enable the clients to get sorted results using the Sort operators on certain attributes of the model entity behind the collection. The relevant URI section contain information about the attributes that support sorting.

```
<Collection API>?$orderby=<attribute> <asc/desc>
```

Examples: Get devices sorted in ascending order by Status

```
/api/DeviceService/Devices?$orderby=Status asc
```

NOTE: For enumeration of Status, see `/api/DeviceService/DeviceStatuses`.

NOTE: For more information about `$orderby`, see OData Version 4.0 Part 1: Protocol at docs.oasis-open.org.

Data pagination

The console software provides pagination options on certain URIs that return a collection of entities. The pagination options enable the clients to get paginated results. If a URI supports pagination, the relevant URI sections indicate it.

```
<Collection API>?$top=<required number of records>&$skip=<number of records to skip>
```

Examples:

Get 5th to 8th devices from the Device collection	`/api/DeviceService/Devices?$skip=4&$top=4`
Get first four devices from the Device collection	`/api/DeviceService/Devices?$top=4`

NOTE: For more information about `$skip` and `$top`, see OData Version 4.0 Part 1: Protocol at docs.oasis-open.org.

Request headers

The request header represents headers in the client HTTPS request that are used to communicate client-preferences to the service end point. The service provides the supported preference in the response header.

The following table lists a few examples of request headers:

Table 7. Examples of request headers

Request Header	Description	Example
x-auth-token	Authentication token taken from the return header of the `SessionService/Sessions` POST operation to create a session.	x-auth-token: d6399a19-38c8-467b-a1ec-75ffa03efb7c
Accept-Language	Choice of language that the client can request—Optional.	Accept-Language: en

Response codes

For synchronous operations, the server returns HTTP response codes 200 or 204. For operations that take a long time, the server returns a status code of 202 along with an HTTP response header (Location). This response corresponds to the URI of the temporary resource that can be used to monitor the operation.

The following table lists some of the response codes:

Table 8. HTTP response codes

Request	Response code
Success codes	
GET	• 200 – OK with message body • 204 – OK with no message body • 206 – OK with partial message body
POST	• 201 – Resource created (operation complete) • 202 – Resource accepted (operation pending)
PUT	• 202 – Accepted (operation pending) • 204 – Success (operation complete)
DELETE	• 202 – Accepted (operation pending) • 204 – Success (operation complete)
Failure codes	
Invalid parameter	400 - Invalid parameter
Authorization	401 - Authorization failure
Permission denied	403 - Permission denied
Not found	404 - Resource not found
Invalid request method	405 - Invalid request method
Internal server error	500 - Internal server error
Service unavailable	503 - Service unavailable

For more information about response codes, see Status Code Definitions on the W3.org website.

Response headers

The following table lists a few examples of response headers:

Table 9. Examples of response headers

Response Header	Description	Example
Connection	Control options for the current connection and list of hop-by-hop request fields.	Connection: Keep-Alive
Content-Type	Specifies the format of the content that the server returns. If there are multiple formats that can be accepted in the client request (using the Accept header), the server chooses the appropriate supported format.	Content-Type: application/json; odata.metadata=minimal
Keep-alive	• *Timeout* header parameter indicates the time that a connection is allowed to remain idle before it is closed. • *Max* header parameter indicates the maximum number of requests that are permitted before the connection is closed.	Timeout=5; max=150
Content-length	The length of the request body in 8-bit bytes or octets.	Content-Length: 348
date	The date and time that the message originated, in HTTP-date format as defined by RFC 7231 Date/Time Formats.	date: Thu, 02 Apr 2009 11:11:28 GMT
Odata-version	The version of Odata that is used.	Odata: 4.0
Location	Used in redirection or when a new resource is created.	Location: <BASE_URI>/SessionService/Sessions('3204bb9d-409d-4bd9-8a5f-d44005c81a2c')
Server	A name for the server.	Server: Apache
x-frame-options	Clickjacking protection: • deny – no rendering within a frame • sameorigin – no rendering if origin mismatch • allow-from – allow from specified location • allowall – non-standard, allow from any location	DENY

4

Application settings

Topics:

- Network
- Security and user management
- Security and certificate management
- Monitoring and alert notifications

Network

/api/ApplicationService/Network

This URI represents the collection of network application services.

GET method for Network

This method returns the network configuration details.

Description	Returns the network configuration details.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
    "@odata.context": "$metadata#Network.Network/$entity",
    "@odata.id": "/api/ApplicationService/Network",
    "Actions": null,
    "ProxyConfiguration": {
        "@odata.id": "/api/ApplicationService/Network/ProxyConfiguration"
    },
    "TimeZones": [
        {
            "@odata.id": "/api/ApplicationService/Network/TimeZones"
        }
    ],
    "TimeConfiguration": {
        "@odata.id": "/api/ApplicationService/Network/TimeConfiguration"
    },
    "AddressConfiguration": {
        "@odata.id": "/api/ApplicationService/Network/AddressConfiguration"
    },
    "CurrentAddressConfiguration": {
        "@odata.id": "/api/ApplicationService/Network/
CurrentAddressConfiguration"
    },
    "WebServerConfiguration": {
        "@odata.id": "/api/ApplicationService/Network/WebServerConfiguration"
    }
}
```

/api/ApplicationService/Network/WebServerConfiguration

This URI represents the web-server configuration.

GET method for WebServerConfiguration

This method returns the web server configuration, including the status, port number, and session timeout duration.

Description	Returns the web-server configuration, including the status of the web server, port number, and session timeout duration.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Network.WebServerConfiguration/$entity",
  "@odata.id": "/api/ApplicationService/Network/WebServerConfiguration",
  "TimeOut": 30,
  "PortNumber": 443,
  "EnableWebServer": true
}
```

PUT method for WebServerConfiguration

This method updates the web-server configuration.

Description	Updates the web-server configuration. To apply the changes, the web services restart.
Privilege	APPLIANCE_SETUP
HTTP response codes	200
Example request body	

```
{
  "TimeOut": 4,
  "PortNumber": 8778,
  "EnableWebServer": true
}
```

Example response body

```
{
  "@odata.context": "$metadata#Network.WebServerConfiguration/$entity",
  "@odata.id": "/api/ApplicationService/Network/WebServerConfiguration",
  "TimeOut": 30,
  "PortNumber": 443,
  "EnableWebServer": true
}
```

Table 10. Attributes

Attribute name	Description
TimeOut	Session time Duration
PortNumber	Port number of the web server configurations
EnableWebServer	Status of web server

/api/ApplicationService/Network/TimeConfiguration

This URI represents the time-configuration-related application services.

GET method for TimeConfiguration

This method returns the current time-related configuration.

Description	Returns the time-related configuration.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "/api/$metadata#Network.TimeConfiguration",
    "@odata.type": "#Network.TimeConfiguration",
    "@odata.id": "/api/ApplicationService/Network/TimeConfiguration",
    "TimeZone": "TZ_ID_2",
    "TimeZoneIdLinux": "Pacific/Samoa",
    "TimeZoneIdWindows": "Samoa Standard Time",
    "EnableNTP": true,
    "PrimaryNTPAddress": "100.97.203.80",
    "SecondaryNTPAddress1": "100.97.203.67",
    "SecondaryNTPAddress2": "100.97.129.125",
    "SystemTime": "2020-04-27 19:57:55.948",
    "TimeSource": "100.97.203.80",
    "UtcTime": "2020-04-28 06:57:55.948"
}
```

PUT method for TimeConfiguration

This method updates the time-related configuration.

Description	Updates the time-related configuration.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example request body

```
{
    "TimeZone": "TZ_ID_11",
    "EnableNTP": false,
    "PrimaryNTPAddress": null,
    "SecondaryNTPAddress1": null,
    "SecondaryNTPAddress2": null,
    "SystemTime": "2017-35-23 21:35:18"
}
```

Example response body

```
{
    "TimeZone": "TZ_ID_11",
    "EnableNTP": false,
    "PrimaryNTPAddress": null,
    "SecondaryNTPAddress1": null,
    "SecondaryNTPAddress2": null,
    "SystemTime": "2017-35-23 21:35:18"
}
```

Table 11. Attributes

Attribute name	Description
TimeZone	The timezone to use.
EnableNTP	Specify whether to enable or disable NTP.
PrimaryNTPAddress	The primary NTP address.
SecondaryNTPAddress1	The first secondary NTP address.
SecondaryNTPAddress2	The second secondary NTP address.
SystemTime	The system time. If EnableNTP is False, SystemTime cannot be null or empty.

/api/ApplicationService/Network/TimeZones

This URI represents the time-zone application services.

GET method for TimeZone

This method returns the time-zone configuration.

Description Returns the time-zone configuration.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
    "@odata.context": "$metadata#Collection(Network.TimeZone)",
    "@odata.count": 95,
    "value": [
        {
            "Utcoffsetminutes": 60,
            "Id": "TZ_ID_38",
            "Name": "(GMT+01:00) Brussels, Copenhagen, Madrid, Paris"
        },
        …
        {
            "Utcoffsetminutes": 330,
            "Id": "TZ_ID_66",
            "Name": "(GMT+05:30) Sri Jayawardenepura"
        }
    ]
}
```

Table 12. Attributes

Attribute	Description
Utcoffsetminutes	The number of minutes this time zone is offset from UTC.
Id	The ID of the time zone.
Name	The name or location of the time zone.

/api/ApplicationService/Network/ProxyConfiguration

This URI represents the proxy configuration.

GET method for ProxyConfiguration

This method returns the current proxy configuration.

Description	Returns the current proxy configuration.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "$metadata#Network.ProxyConfiguration/$entity",
    "@odata.id": "/api/ApplicationService/Network/ProxyConfiguration",
    "IpAddress": null,
    "PortNumber": 0,
    "EnableAuthentication": false,
    "EnableProxy": false,
    "Username": null,
    "Password": null
}
```

PUT method for ProxyConfiguration

This method updates the proxy configuration.

Description	Updates the proxy configuration.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example request body

```
{
    "IpAddress": null,
    "PortNumber": 0,
    "EnableAuthentication": false,
    "EnableProxy": false,
    "Username": null,
    "Password": null
}
```

Example response body

```
{
  "IpAddress": null,
  "PortNumber": 0,
  "Username": null,
  "Password": null,
  "EnableAuthentication": false,
  "EnableProxy": false
}
```

Table 13. Attributes

Attribute name	Description
IpAddress	Proxy Address, if HTTP Proxy Settings is enabled.
PortNumber	Port number, if HTTP Proxy Settings is enabled.
EnableAuthentication	Enable or disable Proxy Authentication.

Table 13. Attributes (continued)

Attribute name	Description
EnableProxy	Enable or disable HTTP Proxy Settings.
Username	Username, if Proxy Authentication is enabled.
Password	Password, if Proxy Authentication is enabled.

Security and user management

/api/AccountService

This URI represents the configuration of the user accounts.

GET method for AccountService

This method returns the account level configuration for the user accounts.

Description Returns account level configurations for the accounts.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "$metadata#AccountService.AccountService",
  "@odata.id": "/api/AccountService",
  "Id": "10",
  "Description": "OME-Modular User Accounts",
  "Name": "Account Service",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK"
  },
  "ServiceEnabled": false,
  "AuthFailureLoggingThreshold": 3,
  "MinPasswordLength": 8,
  "MaxPasswordLength": 20,
  "AccountLockoutThreshold": 3,
  "AccountLockoutDuration": 30,
  "AccountLockoutCounterResetAfter": 900,
  "EnableIpRangeAddress": false,
  "IpRangeAddress": null,
  "ByUserName": false,
  "ByIPAddress": false,
  "Actions": null,
  "Accounts": [
    {
      "@odata.id": "/api/AccountService/Accounts"
    }
  ],
  "Roles": [
    {
      "@odata.id": "/api/AccountService/Roles"
    }
  ],
  "ExternalAccountProvider": {
    "@odata.id": "/api/AccountService/ExternalAccountProvider"
  }
}
```

Table 14. Attributes

Attribute	Description
Description	Description for the Account service.
Name	Name given for Account service.
State	Indicates the known state of the resource.
HealthRollup	Health rollup status.
Health	Health of the resource.
ServiceEnabled	Indicates if the service is enabled or disabled.
AuthFailureLoggingThreshold	Number of authorization failures that need to occur before the failure attempt is logged to the manager log.
MinPasswordLength	Minimum password length.
MaxPasswordLength	Maximum password length.
AccountLockoutThreshold	The number of failed login attempts before a user account is locked for a specified duration. 0 indicates that the account is never locked.
AccountLockoutDuration	The time in seconds an account is locked after the account lockout threshold is met. This value must be equal or greater than the *AccountLockoutResetAfter* value. 0 indicates that the account is never locked.
AccountLockoutCounterResetAfter	The interval of time in seconds since the last failed login attempt at which point the lockout threshold counter for the account is reset to zero. Must be less than or equal to *AccountLockoutDuration*.
EnableIpRangeAddress	Enable or disable IP range address.
IpRangeAddress	IP rage address to be used.
ByUserName	Configure this service by user name.
ByIPAddress	Configure this service by IP address.

PUT method for AccountService

This method updates the user account configurations.

Description Updates account-level configurations for the accounts.

Privilege SECURITY_SETUP

HTTP response codes 200

Example request body

```
{
  "Id": "10",
  "Description": "OME-Modular User Accounts",
  "Name": "Account Service",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK"
  },
  "ServiceEnabled": false,
  "AuthFailureLoggingThreshold": 3,
  "MinPasswordLength": 8,
  "MaxPasswordLength": 20,
  "AccountLockoutThreshold": 3,
  "AccountLockoutDuration": 30,
```

```
  "AccountLockoutCounterResetAfter": 900,
  "EnableIpRangeAddress": false,
  "IpRangeAddress": null,
  "ByUserName": false,
  "ByIPAddress": false
}
```

Example response body

```
{
  "Id": "10",
  "Description": "OME-Modular User Accounts",
  "Name": "Account Service",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK",
    "Oem": null
  },
  "Oem": null,
  "AuthFailureLoggingThreshold": 3,
  "MinPasswordLength": 8,
  "MaxPasswordLength": 20,
  "AccountLockoutThreshold": 3,
  "AccountLockoutDuration": 30,
  "AccountLockoutCounterResetAfter": 900,
  "IpRangeAddress": null,
  "ServiceEnabled": false,
  "ByUserName": false,
  "ByIPAddress": false,
  "EnableIpRangeAddress": false
}
```

Table 15. Attributes

Attribute	Description
Id	Uniquely identifies the resource within the collection of like resources.
Description	Description for the Account service.
Name	Name given for Account service.
State	Indicates the known state of the resource.
HealthRollup	Health rollup status.
Health	Health of the resource.
ServiceEnabled	Indicates whether this service is enabled or disabled.
AuthFailureLoggingThreshold	Number of authorization failures that need to occur before the failure attempt is logged to the manager log.
MinPasswordLength	Minimum password length.
MaxPasswordLength	Maximum password length.
AccountLockoutThreshold	The number of failed login attempts before a user account is locked for a specified duration. 0 indicates that the account is never locked.
AccountLockoutDuration	The time in seconds an account is locked for after the account lockout threshold is met. This value must equal to or higher than the AccountLockoutResetAfter value. 0 indicates that the account is never locked.
AccountLockoutCounterResetAfter	The interval of time in seconds since the last failed login attempt at which point the lockout threshold counter for the account is reset to zero. Must be less than or equal to AccountLockoutDuration.

Table 15. Attributes (continued)

Attribute	Description
EnableIpRangeAddress	Enable or disable IP range address.
IpRangeAddress	IP rage address to be used.
ByUserName	Configure the service by user name.
ByIPAddress	Configure the service by IP address.

/api/AccountService/Accounts

This URI represents the collection of accounts.

GET method for Accounts

This method returns a collection of accounts.

Description Returns the collection of accounts.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AccountService.Account)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/AccountService/Accounts('1814')",
      "Id": "1814",
      "UserTypeId": 1,
      "DirectoryServiceId": 0,
      "Description": "root",
      "Name": "root",
      "Password": null,
      "UserName": "root",
      "RoleId": "10",
      "Locked": false,
      "IsBuiltin": true,
      "Enabled": true,
      "Permissions": [
        {
          "@odata.id": "/api/AccountService/Accounts('1814')/Permissions"
        }
      ]
    }
  ]
}
```

Table 16. Attributes

Attribute	Description
Id	Uniquely identifies the resource within the collection.
UserTypeId	Type of user.
DirectoryServiceId	Directory service ID.
Description	Description for the user.
Name	Name of the user. This name is the same as user name.
Password	Password for the user. When retrieving the details, *Password* is displayed as blank.

Table 16. Attributes (continued)

Attribute	Description
UserName	User name of the account.
RoleId	Role for the account.
Locked	Indicates if the account is locked or unlocked.
IsBuiltin	Indicates if the account is an in-built account.
Enabled	Indicates if the account enabled or disabled.
Permissions	Permissions for this account.

POST method for Accounts

This method creates an account.

Description Creates an account.

Privilege SECURITY_SETUP

HTTP response codes 201

Example request body

```
{
  "UserTypeId": 1,
  "DirectoryServiceId": 0,
  "Description": "user1 description",
  "Name": "user1",
  "Password": "Dell123$",
  "UserName": "user1",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}
```

Example response body

```
{

  "Id": "2964",
  "UserTypeId": 1,
  "DirectoryServiceId": 0,
  "Name": "user1",
  "Password": null,
  "UserName": "user1",
  "Description": "user1 description",
  "Oem": null,
  "RoleId": "10",
  "Locked": false,
  "IsBuiltin": false,
  "Enabled": true
}
```

Table 17. Attributes

Attribute	Description
Id	Uniquely identifies the resource within the collection.
UserTypeId	Type of user.
DirectoryServiceId	Directory service ID.
Description	Description for the user.
Name	Name of the user. This name is the same as user name.

Table 17. Attributes (continued)

Attribute	Description
Password	Password for the user. When retrieving the details, *Password* is displayed as blank.
UserName	User name of the account.
RoleId	Role for the account.
Locked	Indicates if the account is locked or unlocked.
IsBuiltin	Indicates if the account is an in-built account.
Enabled	Indicates if the account enabled or disabled.

/api/AccountService/Accounts(Id)

This URI represents a specific account within the collection.

GET method for Accounts(ID)

This method returns the details of a specific account within the collection.

Description	Returns the details of a specific account.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#AccountService.Account/$entity",
  "@odata.id": "/api/AccountService/Accounts('1814')",
  "Id": "1814",
  "UserTypeId": 1,
  "DirectoryServiceId": 0,
  "Description": "root",
  "Name": "root",
  "Password": null,
  "UserName": "root",
  "RoleId": "10",
  "Locked": false,
  "IsBuiltin": true,
  "Enabled": true,
  "Permissions": [
    {
      "@odata.id": "/api/AccountService/Accounts('1814')/Permissions"
    }
  ]
}
```

Table 18. Attributes

Attribute	Description
Id	Uniquely identifies the resource within the collection.
UserTypeId	Type of user.
DirectoryServiceId	Directory service ID.
Description	Description for the user.
Name	Name of the user. This name is the same as user name.

Table 18. Attributes (continued)

Attribute	Description
Password	Password for the user. When retrieving the details, *Password* is displayed as blank.
UserName	User name of the account.
RoleId	Role for the account.
Locked	Indicates if the account is locked or unlocked.
IsBuiltin	Indicates if the account is an in-built account.
Enabled	Indicates if the account enabled or disabled.
Permissions	Permissions for the account.

PUT method for Accounts(ID)

This method updates the settings for an account.

Description Updates the settings for an account.

Privilege SECURITY_SETUP

HTTP response codes 200

Example request body

```
{
  "Id": "2964",
  "UserTypeId": 1,
  "DirectoryServiceId": 0,
  "Name": "user1",
  "Password": "Dell123$",
  "UserName": "user1",
  "Description": "user1 description",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}
```

Example response body

```
{
  "Id": "2964",
  "UserTypeId": 1,
  "DirectoryServiceId": 0,
  "Name": "user1",
  "Password": null,
  "UserName": "user1",
  "Description": "user1 description",
  "Oem": null,
  "RoleId": "10",
  "Locked": false,
  "IsBuiltin": false,
  "Enabled": true
}
```

Table 19. Attributes

Attribute	Description
Id	Uniquely identifies the resource within the collection.
UserTypeId	Type of user.
DirectoryServiceId	Directory service ID.

Table 19. Attributes (continued)

Attribute	Description
Description	Description for the user.
Name	Name of the user. This name is the same as user name.
Password	Password for the user. When retrieving the details, *Password* is displayed as blank.
UserName	User name of the account.
RoleId	Role for the account.
Locked	Indicates if the account is locked or unlocked.
IsBuiltin	Indicates if the account is an in-built account.
Enabled	Indicates if the account enabled or disabled.

DELETE method for Accounts(Id)

This method deletes an account.

Description	Deletes an account.
Privilege	SECURITY_SETUP
HTTP response codes	204

Table 20. Attributes

Attribute	Description
Id	Uniquely identifies the resource within the collection.

/api/AccountService/Accounts(userId)/Permissions

This URI represents the permissions for an account.

GET method for Permissions

This method lists the permissions for an account.

Description	Lists the permissions for an account.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AccountService.Permission)",
  "@odata.count": 1,
  "value": [
    {
      "Id": 3214,
      "UserId": 3164,
      "RoleId": 10,
      "Entities": [
        64
      ]
    }
```

```
  ]
}
```

Table 21. Attributes

Attribute	Description
Id	Permission record ID.
UserId	Account ID for which permissions are retrieved.
RoleId	Role ID of the account.
Entities	List of entities that the account has access to.

/api/AccountService/Actions/AccountService.GetPrivileges

This URI represents the list of privileges for a user for a device.

POST method for /api/AccountService/Actions/AccountService.GetPrivileges

This method returns the list of privileges for a user for a particular device.

Description	Returns the current network IP configuration.
Privilege	SECURITY_SETUP
HTTP response codes	201
Example Response Body	`payload {  "Type":"Fan Slot",  "Location":"slot301"}` `Returns mapped privileges`

/api/AccountService/Actions/AccountService.GetPrivilegesForUser

This API represents user privileges and MAC address information for a particular user.

POST method for /api/AccountService/Actions/AccountService.GetPrivilegesForUser

This method provides a list of user privileges for the user id and device mac address that is provided in the payload.

Description	Returns user privilege and MAC address information for a particular user.
Privilege	VIEW
HTTP response codes	202

Example request body	`{ "UserId":"100",`
	`"MacAddress":"d0:94:66:34:b7:de"`
	`}`

/api/AccountService/Actions/AccountService.GetUserDetail

This API returns details of the user who has logged in.

POST method for /api/AccountService/Actions/AccountService.GetUserDetail

This method returns details of the user who has logged in. The details include user name, user ID, and role details.

Description	Returns details the user who has logged in.
Privilege	VIEW
HTTP response codes	202
Example response body	

```
{
    "UserName": "root",
    "UserDetails": [
        {
            "Id": "10042",
            "UserName": "root",
            "RoleId": "10",
            "RoleName": "CHASSIS_ADMINISTRATOR"
        }
    ]
}
```

/api/AccountService/Actions/AccountService.Enable

This URI enables you to enable multiple accounts.

POST method for AccountService.Enable

This method enables multiple accounts.

Description	Enables multiple accounts.
Privilege	SECURITY_SETUP
HTTP response codes	204
Example request body	

```
{
  "AccountIds":[3164,3264]
}
```

Table 22. Attributes

Attribute	Description
AccountIds	Account IDs to be enabled.

/api/AccountService/Actions/AccountService.Disable

This URI enables you to disable multiple accounts.

POST method for AccountService.Disable

This method disables multiple accounts.

Description	Disables multiple accounts.
Privilege	SECURITY_SETUP
HTTP response codes	204
Example request body	

```
{
  "AccountIds":[3164,3264]
}
```

Table 23. Attributes

Attribute	Description
AccountIds	Account IDs to be disabled.

/api/AccountService/Actions/AccountService.Delete

This URI enables you to delete multiple accounts.

POST method for AccountService.Delete

The method deletes multiple accounts.

Description	Deletes multiple accounts.
Privilege	SECURITY_SETUP
HTTP response codes	204
Example request body	

```
{
  "AccountIds":[3164,3264]
}
```

Table 24. Attributes

Attribute	Description
AccountIds	Account IDs to be deleted.

/api/AccountService/Roles

This URI represents the user roles.

GET method for Roles

This method returns a list of roles and the respective privileges.

Description	Returns a list of user roles and respective privileges.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(AccountService.Role)",
  "@odata.count": 5,
  "value": [
    {
      "@odata.id": "/api/AccountService/Roles('10')",
      "Id": "10",
      "Description": "Privileges to do all operations",
      "Name": "CHASSIS_ADMINISTRATOR",
      "IsPredefined": true,
      "AssignedPrivileges": [],
      "OemPrivileges": [
        "VIEW",
        "APPLIANCE_SETUP",
        "SECURITY_SETUP",
        "MONITORING_SETUP",
        "POWER_CONTROL",
        "DEVICE_CONFIGURATION",
        "OPERATING_SYSTEM_DEPLOYMENT",
        "DEVICE_UPDATE",
        "TEMPLATE_MANAGEMENT",
        "BASELINE_MANAGEMENT",
        "POWER_MANAGEMENT"
      ]
    }
```

Table 25. Attributes

Attribute	Description
Id	Role record ID.
Description	Role description.
Name	Name for the role.
IsPredefined	Indicates if the role is a predefined role.
AssignedPrivileges	List of assigned privileges.
OemPrivileges	List of OEM privileges for the role.

/api/AccountService/Roles(Id)

This URI represents the details of a user role.

GET method for Roles(Id)

This method returns the details of a user role.

Description	Returns the details of a user role.

Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AccountService.Role)",
  "@odata.count": 5,
  "value": [
    {
      "@odata.id": "/api/AccountService/Roles('10')",
      "Id": "10",
      "Description": "Privileges to do all operations",
      "Name": "CHASSIS_ADMINISTRATOR",
      "IsPredefined": true,
      "AssignedPrivileges": [],
      "OemPrivileges": [
        "VIEW",
        "APPLIANCE_SETUP",
        "SECURITY_SETUP",
        "MONITORING_SETUP",
        "POWER_CONTROL",
        "DEVICE_CONFIGURATION",
        "OPERATING_SYSTEM_DEPLOYMENT",
        "DEVICE_UPDATE",
        "TEMPLATE_MANAGEMENT",
        "BASELINE_MANAGEMENT",
        "POWER_MANAGEMENT"
      ]
    }
```

Table 26. Attributes

Attribute	Description
Id	Role record ID.
Description	Role description.
Name	Name for the role.
IsPredefined	Indicates if the role is a predefined role.
AssignedPrivileges	List of assigned privileges.
OemPrivileges	List of OEM privileges for the role.

/api/AccountService/ExternalAccountProvider

This URI represents the collection of external account providers.

GET method for ExternalAccountProvider

This method returns the details of the default LDAP and AD ports and network timeouts.

Description	Returns the LDAP and AP ports and network timeouts.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context":
"$metadata#ExternalAccountProvider.ExternalAccountProvider/$entity",
  "@odata.id": "/api/AccountService/ExternalAccountProvider",
```

```
  "DefaultLDAPPort": 389,
  "DefaultADPort": 3268,
  "DefaultNetworkTimeOut": 120,
  "DefaultSearchTimeOut": 120,
  "Actions": null,
  "LDAPAccountProvider": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/
LDAPAccountProvider"
    }
  ],
  "ADAccountProvider": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/
ADAccountProvider"
    }
  ],
  "DirectoryServiceType": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/
DirectoryServiceType"
    }
  ]
}
```

Table 27. Attributes

Attribute	Description
Id	The identifier of the external account provider.
DefaultLDAPPort	The default LDAP port.
DefaultADPort	The default AD port.
DefaultNetworkTimeOut	The default network timeout.
DefaultSearchTimeOut	The default search timeout.

/api/AccountService/ExternalAccountProvider/DirectoryServiceType

This URI represents the collection of directory types.

GET method for DirectoryServiceType

This method returns the collection of directory types.

Description	Returns a collection of directory types.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context":
"$metadata#Collection(ExternalAccountProvider.DirectoryServiceType)",
  "@odata.count": 2,
  "value": [
    {
      "Id": 1,
      "DirectoryType": "AD"
    },
    {
      "Id": 2,
```

```
      "DirectoryType": "LDAP"
    }
  ]
}
```

Table 28. Attributes

Attribute	Description
Id	Identifier of the Directory Type.
DirectoryType	Directory Type.

/api/AccountService/ExternalAccountProvider/ADAccountProvider

This URI represents the collection of Active-Directory services.

GET method for ADAccountProvider

This method returns the details of Active Directory services. The details include name, server type, username, timeouts, and port information.

Description Returns the collection of Active Directory services.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
    "@odata.context": "/api/
$metadata#Collection(ExternalAccountProvider.ADAccountProvider)",
    "@odata.count": 0,
    "value": []
}
```

POST method for ADAccountProvider

This method adds an Active Directory service.

Description Adds an Active Directory service.

Privilege SECURITY_SETUP

HTTP response codes 200

Example request body

```
:
{
    "Name": "Starship",
    "Id":2,
    "ServerType": "DNS",
    "ServerName": ["10.35.195.1"],
    "UserName": "test",
    "Password": "test@123",
    "ServerPort": 3268,
    "NetworkTimeOut": 300,
    "SearchTimeOut": 300,
    "CertificateValidation": true,
    "CertificateFile": ""
}
```

Example response body


```
{
  "Id": 2714,
  "Name": "Starship",
  "ServerType": "DNS",
  "ServerName": [
    "10.35.195.1"
  ],
  "UserName": "test",
  "Password": null,
  "ServerPort": 3268,
  "NetworkTimeOut": 300,
  "SearchTimeOut": 300,
  "CertificateValidation": false,
  "CertificateFile": null
}
```


Table 29. Attributes

Attribute	Description
Id	Active Directory or LDAP server ID.
ServerType	Server type of the directory—DNS or Manual.
ServerName	Server name of the directory service.
UserName	User name of the directory service.
Password	Password of the directory service.
ServerPort	Port of the directory Service.
NetworkTimeOut	Network timeout value.
SearchTimeOut	Search timeout value.
CertificateValidation	Enable or disable certificate validation for the directory service.
CertificateFile	Certificate file for authentication.

/api/AccountService/ExternalAccountProvider/ADAccountProvider(Id)

This URI represents a specific Active Directory server.

GET method for ADAccountProvider(Id)

This method returns the details of a specific Active Directory server from the collection.

Description Returns the details of a specific Active Directory server.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context":
"$metadata#Collection(ExternalAccountProvider.ADAccountProvider)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/
ADAccountProvider(1264)",
      "Id": 1264,
      "Name": "Dell Servers",
```

```
      "ServerType": "MANUAL",
      "ServerName": [
        "ausdc12amer29.amer.dell.com"
      ],
      "UserName": "Admin",
      "Password": "XXXXXX",
      "ServerPort": 3268,
      "SsoEnablement": false,
      "KerberosFile": null,
      "NetworkTimeOut": 120,
      "SearchTimeOut": 120,
      "CertificateValidation": false,
      "CertificateFile": null,
      "Groups": [
        {
          "@odata.id": "/api/AccountService/ExternalAccountProvider/
ADAccountProvider(1264)/Groups"
        }
      ]
    }
  ]
}
```

PUT method for ADAccountProvider(Id)

This method updates the details of a specific Active Directory server in the collection.

Description	Updates the details of a specific Active Directory server.
Privilege	SECURITY_SETUP
HTTP response codes	200

Example request body

```
{
    "Name": "Starship",
    "Id": 2714,
    "ServerType": "MANUAL",
    "ServerName": ["10.35.195.1"],
    "UserName": "Admin",
    "Password": null,
    "ServerPort": 3268,
    "NetworkTimeOut": 120,
    "SearchTimeOut": 120,
    "CertificateValidation": false,
    "CertificateFile": null
}
```

Example response body

```
{
  "Id": 2714,
  "Name": "Starship",
  "ServerType": "MANUAL",
  "ServerName": ["10.35.195.1"],
  "UserName": "Admin",
  "Password": null,
  "ServerPort": 3268,
  "NetworkTimeOut": 120,
  "SearchTimeOut": 120,
  "CertificateValidation": false,
  "CertificateFile": null
}
```

Table 30. Attributes

Attribute name	Description
Id	The identifier of the AD account provider.
Name	Directory name.
ServerType	Server type of the directory—DNS or Manual.
ServerName	Server name of the directory service.
UserName	User name of the directory service.
Password	Password of the directory service.
ServerPort	Port of the directory service.
NetworkTimeOut	Network timeout value.
SearchTimeOut	Search timeout value.
CertificateValidation	Enable or disable certificate validation for the directory service.
CertificateFile	Certificate file for authentication.

/api/AccountService/ExternalAccountProvider/Actions/ExternalAccountProvider.TestADConnection

This URI enables you to test the Directory Service connection.

POST method for ExternalAccountProvider.TestADConnection

This method tests the Active Directory Service connection.

Description Tests the Active Directory Service connection.

Privilege SECURITY_SETUP

HTTP response codes 200

Example for ServerType: MANUAL

Example request body

```
{
    "Name": "Starship",
    "ServerType": "MANUAL",
    "ServerName": ["10.35.195.1", "10.35.195.2"],
    "UserName": "test",
    "Password": "test@123",
    "ServerPort": 3268,
    "NetworkTimeOut": 300,
    "SearchTimeOut": 300,
    "CertificateValidation": true,
    "CertificateFile": ""
}
```

Example for ServerType: MANUAL

Example response body

```
{
  "Id": 2714,
  "Name": "Starship",
  "ServerType": "MANUAL",
  "ServerName": ["10.35.195.1"],
  "UserName": "Admin",
  "Password": null,
```

```
  "ServerPort": 3268,
  "NetworkTimeOut": 300,
  "SearchTimeOut": 300,
  "CertificateValidation": false,
  "CertificateFile": null
}
```

Example for ServerType: DNS

Example request body

```
{
  "Name": "AD",
  "ServerType": "DNS",
  "ServerName": [   ],
  "DnsServer":
  [
    "dell.com"
  ],
  "GroupDomain": "dell.com",
  "UserName": null,
  "Password": "",
  "ServerPort": 3269,
  "NetworkTimeOut": 120,
  "SearchTimeOut": 120,
  "CertificateValidation": false,
  "CertificateFile": ""
}
```

Example for ServerType: DNS

Example response body

```
{
  "Name": "AD",
  "ServerType": "DNS",
  "ServerName":
  [
    "ausdcdell1.dell.com",
    "rdudc12dell01.dell.com",
    "pendc12dell01.dell.com",
    "ausdc12dell02.dell.com",
    "ausdc12dell01.dell.com",
    "limdc12dell01.dell.com",
    "ausdc12dell05.dell.com",
    "ausdc12dell06.dell.com",
    "rdudc12dell02.dell.com",
    "ausdc12dell03.dell.com"
  ],
  "DnsServer":
  [
    "dell.com"
  ],
"GroupDomain": "dell.com",
  "UserName": null,
  "Password": "",
  "ServerPort": 3269,
  "NetworkTimeOut": 120,
  "SearchTimeOut": 120,
  "CertificateValidation": false,
  "CertificateFile": ""
}
```

Table 31. Attributes

Attribute name	Description
Name	Name of the directory service.
Id	ID of the AD or LDAP server.
ServerType	Server type of the directory—DNS or Manual.
ServerName	Server name of the directory service.

Table 31. Attributes (continued)

Attribute name	Description
UserName	User name of the directory service.
Password	Password of the directory service.
ServerPort	Port of the directory service.
NetworkTimeOut	Network timeout value.
SearchTimeOut	Search timeout value.
CertificateValidation	Enable or disable certificate validation for the directory service.
CertificateFile	Certificate file for authentication.

/api/AccountService/ExternalAccountProvider/LDAPAccountProvider

This URI represents the collection of LDAP Directory Services.

GET method for LDAPAccountProvider

This method returns the collection of LDAP Directory Service.

Description Returns the collection of LDAP Directory Service.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context":
"$metadata#Collection(ExternalAccountProvider.LDAPAccountProvider)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/
LDAPAccountProvider(2814)",
      "Id": 2814,
      "Name": "Ldap Server",
      "ServerType": "MANUAL",
      "ServerName": [
        "10.35.195.1"
      ],
      "UserName": "Admin",
      "Password": "",
      "ServerPort": 3268,
      "BaseDistinguishedName": null,
      "AttributeUserLogin": null,
      "AttributeGroupMembership": null,
      "SearchFilter": null,
      "NetworkTimeOut": 120,
      "SearchTimeOut": 120,
      "CertificateValidation": false,
      "CertificateFile": null,
      "Groups": [
        {
          "@odata.id": "/api/AccountService/ExternalAccountProvider/
LDAPAccountProvider(2814)/Groups"
        }
      ]
    }
```

```
  ]
}
```

POST method for LDAPAccountProvider

This method adds an LDAP Directory Service.

Description	Adds an LDAP Directory Service.
Privilege	SECURITY_SETUP
HTTP response codes	200

Example request body

```
{
     "Name": "seaquest",
     "Id":1,
     "ServerType": "DNS",
     "ServerName": ["10.35.195.1"],
     "UserName": "Admin",
     "Password": "XXXXX",
     "ServerPort": 0,
     "BaseDistinguishedName" : "dc=dell,dc=com",
     "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
     "NetworkTimeOut": 300,
     "SearchTimeOut": 300,
     "CertificateValidation": false,
     "CertificateFile": ""
}
```

Example response body

```
{
  "Id": 2914,
  "Name": "seaquest",
  "ServerType": "DNS",
  "ServerName": [
    "10.35.195.1"
    ],
  "UserName": "Admin",
  "Password": "",
  "ServerPort": 389,
  "BaseDistinguishedName": "dc=dell,dc=com",
  "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
  "SearchFilter": null,
  "NetworkTimeOut": 300,
  "SearchTimeOut": 300,
  "CertificateValidation": false,
  "CertificateFile": ""
}
```

Table 32. Attributes

Attribute name	Description
Id	ID of the LDAP account provider.
Name	Directory name.
ServerType	Server type of the directory—DNS or Manual.
ServerName	Server name of the directory service.
UserName	User name of the directory service.
Password	Password of the directory service.

Table 32. Attributes (continued)

Attribute name	Description
BaseDistinguishedName	Domain names for search base. Example: dc=dell, dc=com.
AttributeUserLogin	User login details.
AttributeGroupMembership	Group member information.
SearchFilter	Search type.
NetworkTimeOut	Network timeout value.
SearchTimeOut	Search timeout value.
CertificateValidation	Enable or disable certificate validation for the directory service.
CertificateFile	Certificate file for authentication.

/api/AccountService/ExternalAccountProvider/LDAPAccountProvider(Id)

This URI represents a specific LDAP server within the collection of LDAP Directory Service.

GET method for LDAPAccountProvider(Id)

This method returns the details of a single server of the LDAP Directory Service.

Description Returns the details of a single LDAP server.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "$metadata#ExternalAccountProvider.LDAPAccountProvider/
$entity",
  "@odata.id": "/api/AccountService/ExternalAccountProvider/
LDAPAccountProvider(2914)",
  "Id": 2914,
  "Name": "seaquest",
  "ServerType": "MANUAL",
  "ServerName": [
    "10.35.195.1"
  ],
  "UserName": "Admin",
  "Password": null,
  "ServerPort": 389,
  "BaseDistinguishedName": "dc=dell,dc=com",
  "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
  "SearchFilter": null,
  "NetworkTimeOut": 300,
  "SearchTimeOut": 300,
  "CertificateValidation": false,
  "CertificateFile": "",
  "Groups": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/
LDAPAccountProvider(2914)/Groups"
    }
  ]
}
```

PUT method for LDAPAccountProvider(Id)

This method updates the details of a server of the LDAP Directory Service.

Description	Updates the details of an LDAP server.
Privilege	SECURITY_SETUP
HTTP response codes	200

Example request body

```
{
    "Name": "seaquest",
    "Id":2964,
    "ServerType": "DNS",
    "ServerName": ["10.35.195.1"],
    "UserName": "test",
    "Password": "test@123",
    "ServerPort": 3268,
    "BaseDistinguishedName" : "dc=dell,dc=com",
    "NetworkTimeOut": 300,
    "SearchTimeOut": 300,
    "CertificateValidation": false,
    "CertificateFile": ""
}
```

Example response body

```
{
  "Id": 2964,
  "Name": "seaquest",
  "ServerType": "DNS",
  "ServerName": [
    "10.35.195.1"
  ],
  "UserName": "test",
  "Password": null,
  "ServerPort": 3268,
  "BaseDistinguishedName": "dc=dell,dc=com",
  "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
  "SearchFilter": null,
  "NetworkTimeOut": 300,
  "SearchTimeOut": 300,
  "CertificateValidation": false,
  "CertificateFile": ""
}
```

Table 33. Attributes

Attribute name	Description
Id	ID of the LDAP account provider.
Name	Directory name
ServerType	Server type of the directory—DNS or Manual.
ServerName	Server name of the directory service.
UserName	User name of the directory service.
Password	Password of the directory service.
BaseDistinguishedName	Domain names for search base. Example: dc=dell, dc=com.
AttributeUserLogin	User login details.
AttributeGroupMembership	Group member information.

Table 33. Attributes (continued)

Attribute name	Description
SearchFilter	Search type.
NetworkTimeOut	Network timeout value.
SearchTimeOut	Search timeout value.
CertificateValidation	Enable or disable certificate validation for the directory service.
CertificateFile	Certificate file for authentication.

/api/AccountService/ExternalAccountProvider/Actions/ExternalAccountProvider.TestLDAPConnection

This URI enables you to test the LDAP Directory Service connection.

POST method for ExternalAccountProvider.TestLDAPConnection

This method tests the LDAP Directory Service connection.

Description Tests the LDAP Directory Service connection.

Privilege SECURITY_SETUP

HTTP response codes 200

Example for ServerType: MANUAL

Example request body

```
{
     "Name": "seaquest",
     "Id":1,
     "ServerType": "MANUAL",
     "ServerName": ["10.35.195.1"],
     "UserName": "Admin",
     "Password": "",
     "ServerPort": 636,
     "BaseDistinguishedName" : "dc=dell,dc=com",
     "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
     "NetworkTimeOut": 300,
     "SearchTimeOut": 300,
     "CertificateValidation": false,
     "CertificateFile": ""
}
```

Example for ServerType: MANUAL

Example response body

```
{
   "Id": 2914,
   "Name": "seaquest",
   "ServerType": "MANUAL",
   "ServerName": ["10.35.195.1"],
   "UserName": "Admin",
   "Password": null,
   "ServerPort": 636,
   "BaseDistinguishedName": "dc=dell,dc=com",
   "AttributeUserLogin": null,
   "AttributeGroupMembership": null,
   "SearchFilter": null,
   "NetworkTimeOut": 300,
   "SearchTimeOut": 300,
```

```
   "CertificateValidation": false,
   "CertificateFile": ""
}
```

Example for ServerType: DNS

Example request body

```
{
  "Name": "LDAP",
  "ServerType": "DNS",
  "ServerName": [       ],
  "DnsServer":
  [
    "dell.com"
  ],
  "UserName": null,
  "Password": "",
  "ServerPort": 636,
  "BindDN": null,
  "BindPassword": "",
  "BaseDistinguishedName": "dc=dell,dc=com",
  "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
  "SearchFilter": null,
  "NetworkTimeOut": 120,
  "SearchTimeOut": 120,
  "CertificateValidation": false,
  "CertificateFile": ""
}
```

Example for ServerType: DNS

Example response body

```
{
  "Name": "LDAP",
  "ServerType": "DNS",
  "ServerName":
  [
    "ausdcdell1.dell.com",
    "rdudc12dell01.dell.com",
    "pendc12dell01.dell.com",
    "ausdc12dell02.dell.com",
    "ausdc12dell01.dell.com",
    "limdc12dell01.dell.com",
    "ausdc12dell05.dell.com",
    "ausdc12dell06.dell.com",
    "rdudc12dell02.dell.com",
    "ausdc12dell03.dell.com"
  ],
  "DnsServer":
  [
    "dell.com"
  ],
  "UserName": null,
  "Password": "",
  "ServerPort": 636,
  "BindDN": null,
  "BindPassword": "",
  "BaseDistinguishedName": "dc=dell,dc=com",
  "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
  "SearchFilter": null,
  "NetworkTimeOut": 120,
  "SearchTimeOut": 120,
  "CertificateValidation": false,
  "CertificateFile": ""
}
```

Table 34. Attributes

Attribute name	Description
Id	ID of the LDAP account provider.
Name	Directory name.
ServerType	Server type of the directory—DNS or Manual.
ServerName	Server name of the directory service.
UserName	User name of the directory service.
Password	Password of the directory service.
BaseDistinguishedName	Domain names for search base. Example: dc=dell, dc=com.
AttributeUserLogin	User login details.
AttributeGroupMembership	Group member information.
SearchFilter	Search type.
NetworkTimeOut	Network timeout value.
SearchTimeOut	Search timeout value.
CertificateValidation	Enable or disable certificate validation for the directory service.
CertificateFile	Certificate file for authentication.

/api/AccountService/ExternalAccountProvider/Actions/ExternalAccountProvider.SearchGroups

POST method for ExternalAccountProvider.SearchGroups

This method returns the Group details of an Active Directory service from the collection.

Description Returns the Group details of an Active Directory service.

Privilege SECURITY_SETUP

HTTP response codes 200

Example request body

```
{
  "DirectoryServerId": 25084,
  "Type": "AD",
  "UserName": "Administrator@ngmdev.com",
  "Password": "dell@123",
  "CommonName": "Admin-gr"
}
```

Example response body

```
[
  {
    "CommonName": "ADMIN-GROUP",
    "OrganizationalUnit": null,
    "DistinguishedName": "CN=ADMIN-GROUP,OU=DEV",
    "DomainComponent": [],
    "ObjectGuid": "87da9d36-116c-405d-ae3f-054574e91af4"
  }
]
```

Table 35. Attributes

Attribute name	Description
CommonName	Common name of the directory service.
OrganizationalUnit	Organization unit of the directory service.
DistinguishedName	Distinguished name of the directory service.
DomainComponent	Domain name of the directory service.
ObjectGuid	Unique ObjectGuid for the group.

/api/AccountService/ExternalAccountProvider/Actions/ExternalAccountProvider.DeleteExternalAccountProvider

This URI enables you to delete an Active Directory or an LDAP Directory Service.

POST method for ExternalAccountProvider.DeleteExternalAccountProvider

This method deletes an Active Directory or LDAP Directory Service.

Description	Deletes an Active Directory or LDAP Directory Service.
Privilege	SECURITY_SETUP
HTTP response codes	200
Example request body	

```
{
  "AccountProviderIds": [2864]
}
```

Table 36. Attributes

Attribute name	Description
AccountProviderIds	List of Active Directory or LDAP Directory Services.

/api/AccountService/Actions/AccountService.ImportExternalAccountProvider

This URI enables you to import a Group and add to the user list.

POST method AccountService.ImportExternalAccountProvider

This method imports a Group and adds to the user list.

Description	Imports a Group and adds to the user list.
Privilege	SECURITY_SETUP
HTTP response codes	200
Example Request Body	

```
[
  {
    "UserTypeId": 2,
```

```
    "DirectoryServiceId": 0,
    "Description": "admin",
    "Name": "OME-ModularMegatronTeam",
    "Password": "",
    "UserName": "OME-ModularMegatronTeam",
    "RoleId": "10",
    "Locked": false,
    "Enabled": true,
    "ObjectGuid": "d22005b6-0ce5-40ed-88d0-7f7759b52f25"
     },
     {
    "UserTypeId": 2,
    "DirectoryServiceId": 0,
    "Description": "admin",
    "Name": "OME-ModularDevelopmentTeam",
    "Password": "",
    "UserName": "OME-ModularDevelopmentTeam",
    "RoleId": "10",
    "Locked": false,
    "Enabled": true,
    "ObjectGuid": "21dd5985-602f-48a2-bde5-dde50eefb422"
     }
]
```


Example Response Body


```
[
  {
    "Id": "4664",
    "UserTypeId": 2,
    "DirectoryServiceId": 0,
    "Name": "test456",
    "Password": null,
    "UserName": "test456",
    "Description": "admin",
    "Oem": null,
    "RoleId": "10",
    "Locked": false,
    "IsBuiltin": false,
    "Enabled": true,
    "ObjectGuid": null
  },
  {
    "Id": "4764",
    "UserTypeId": 2,
    "DirectoryServiceId": 0,
    "Name": "test789",
    "Password": null,
    "UserName": "test789",
    "Description": "admin",
    "Oem": null,
    "RoleId": "10",
    "Locked": false,
    "IsBuiltin": false,
    "Enabled": true,
    "ObjectGuid": null
  }
]
```


Table 37. Attributes

Attribute name	Description
Id	Unique identifier of the resource within the collection.
UserTypeId	Type of user.
DirectoryServiceId	ID of the directory service.
Description	Description for this user.

Table 37. Attributes (continued)

Attribute name	Description
Name	Name of the user. This value is the same as the user name.
Password	Password for the user. The password is not displayed while retrieving the details.
UserName	Username of the account.
RoleId	Role for the account.
Locked	Indicates if the account is locked.
IsBuiltin	Indicates if the account is an in-built account.
Enabled	Indicates if the account is enabled.
ObjectGuid	Unique group ID for directory service.

Security and certificate management

/api/ApplicationService/Security

This URI represents the security information.

GET method for Security

This method returns the security information for the system.

Description	Returns the security information.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#ApplicationService.Security/$entity",
  "@odata.type": "#ApplicationService.Security",
  "@odata.id": "/api/ApplicationService/Security",
  "SecurityConfiguration":{
  "@odata.id": "/api/ApplicationService/Security/SecurityConfiguration"
}
```

/api/ApplicationService/Security/SecurityConfiguration

This URI represents the security configuration.

GET method for SecurityConfiguration

This method returns the security configuration.

Description	Returns the security configuration.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#ApplicationService.FIPSModeConfiguration/
$entity",
  "@odata.type": "#ApplicationService.FIPSModeConfiguration",
  "@odata.id": "/api/ApplicationService/Security/SecurityConfiguration",
  "FipsMode": "OFF"
}
```

/api/ApplicationService/Certificate

This URI represents the certificates resource.

GET method for Certificate

This method returns the details of the certificates.

Description	Returns the details of the security certificates.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "$metadata#Collection(ApplicationService.CertInfo)",
    "@odata.count": 1,
    "value": [
        {
            "ValidFrom": "17 Apr 2017 18:15:03 GMT",
            "ValidTo": "15 Apr 2027 18:15:03 GMT",
            "IssuedBy": {
                "DistinguishedName": "localhost",
                "DepartmentName": "Server Solutions Group",
                "BusinessName": "Dell Inc.",
                "Locality": "Round Rock",
                "State": "TX",
                "Country": "US",
                "Email": "support@dell.com"
            },
            "IssuedTo": {
                "DistinguishedName": "localhost",
                "DepartmentName": "Server Solutions Group",
                "BusinessName": "Dell Inc.",
                "Locality": "Round Rock",
                "State": "TX",
                "Country": "US",
                "Email": "support@dell.com"
            }
        }
    ]
}
```

Table 38. Attributes

Attribute name	Description
Value.ValidFrom	Date from which the certificate is valid.
Value.ValidTo	Date till which the certificate is valid.
Value.IssuedBy	Who the certificate is issued by.

Table 38. Attributes (continued)

Attribute name	Description
Value.IssuedBy.DistinguishedName	Distinguished name of the certificate issuer.
Value.IssuedBy.DepartmentName	The department which issued the certificate.
Value.IssuedBy.BusinessName	Business name by which the certificate is issued.
Value.IssuedBy.Locality	Locality of the certificate issuer.
Value.IssuedBy.State	State of the certificate issuer.
Value.IssuedBy.Country	Country of the certificate issuer.
Value.IssuedBy.Email	Email from which the certificate is issued.
Value.IssuedTo.DistinguishedName	Distinguished name to whom the certificate is issued.
Value.IssuedTo.DepartmentName	The department to which the certificate is issued.
Value.IssuedTo.BusinessName	Business name to which the certificate is issued.
Value.IssuedTo.Locality	Locality to which the certificate is issued.
Value.IssuedTo.State	State to which the certificate is issued.
Value.IssuedTo.Country	Country to which the certificate is issued.
Value.IssuedTo.Email	Email address to which the certificate is issued.

/api/ApplicationService/Actions/ApplicationService.GenerateCSR

This URI represents the resource for Certificate Signing Requests.

POST method for GenerateCSR

This method generates a new CSR.

Description Generates a new Certificate Signing Request.

Privilege APPLIANCE_SETUP

HTTP response codes 200

Example request body

```
{
    "distinguishedName": "iDRAC6 default certificate",
    "departmentName": "Remote Access Group",
    "businessName": "Dell Inc.",
    "locality": "Round Rock",
    "state": "Texas",
    "country": "US",
    "email": "",
}
```

Example response body

```
-----BEGIN CERTIFICATE REQUEST-----
MIIB/jCCAWcCAQAwgZgxCzAJBgNVBAYTAlVTMQswCQYDVQQIEwJUWDETMBEGA1UE
BxMKUm91bmQgUm9jazENMAsGA1UEChMERGVsbDEWMBQGA1UECxMNUHJvZHVjdCBH
cm91cDEVMBMGA1UEAxMMMTcyLjE3LjEuMjA0MSkwJwYJKoZIhvcNAQkBFhprYXRo
bGVlbl9oYXR0YXdheUBkZWxsLmNvbTCBnzANBgkqhkiG9w0BAQEFAAOBjQAwgYkC
gYEAwTiSPpKcMV+rJM6lHhsAuW6LvQ4MMQmAqPnE75sJn9fV2sXQPpO1TzwlD5hu
DdcCvVeU9nzAZ3oR0Xc2mp28zw/4oBbsje01dLAC0PxDFzQswLFhri9kCHrnGc4Q
ZZjn06u+QFf9RRDyaXkX2bNpeAXGZBpG8KbSrk9chyLAyLMCAwEAAaAlMCMGCSqG
```

```
SIb3DQEJBzEWExRBIGNoYWxsZW5nZSBwYXNzd29yZDANBgkqhkiG9w0BAQUFAAOB
gQCxcBNjn5PYe5+NPmD+LjEF+XB34XCZvh4QrCsECyK6B2jRXLP39SxABFlxxd3w
D+tddrxy6/8pDdSLM18FqcV9HLrgJqFn5ue+pA3BLjtkZaM9cxVWHtFZst64WF4v
hioJNM68xeFObTxWS99lKufKF8dWKkbQessaABq3yQMikw==
-----END CERTIFICATE REQUEST-----
```

Table 39. Attributes

Attribute name	Description
DistinguishedName	Distinguished name of the certificate issuer.
DepartmentName	Department name that issued the certificate.
BusinessName	Business name that issued the certificate.
Locality	Locality.
State	State.
Country	Country.
Email	Email associated with the issuer.

/api/ApplicationService/Actions/ApplicationService.UploadCertificate

This URI allows you to upload certificates.

POST method for UploadCertificate

This method uploads a certificate.

Description	Uploads a certificate.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example request body	`Header:`
	`  Content-Type : application/octet-stream`
	`  Request: Upload Certificate File`

Example response body	`200 OK`

/api/AccountService/ExternalAccountProvider/Actions/ExternalAccountProvider.DSCertificate

Gets the details of the uploaded certificate for AD or LDAP Directory Services. Gets the details of the uploaded certificate for AD or LDAP Directory Services. When you click **See details** for that particular Directory Service, a pop is displayed with the certificate Serial Number, Issuer CN, Subject CN , and validity dates.

POST method for DS certificate

This API returns the DS certificate details for the AD or LDAP services.

Description	Returns the DS certificate details for the AD or LDAP services.
Privilege	VIEW

HTTP response code	202

Example request body

```
{
              "DirectoryServerId": "10430",
       "Type": "AD",
}
```

Example response body

```
{
    "DirectoryServerId": 10430,
    "Type": "AD",
    "SerialNumber": "401413413584593270254610161813845066096050178",
    "IssuerCN": "Dell Root Certificate Authority 2015",
    "SubjectCN": "Dell Issuing Certificate Authority 101",
    "ValidFrom": "Aug 14 2015 22:04:36",
    "ValidTo": "Aug 14 2022 22:14:36"
}
```

Monitoring and alert notifications

api/AlertService/AlertDestinations/SNMPConfiguration

This URI represents the collection of SNMP configuration.

GET method for SNMPConfiguration

This method returns a collection of SNMP configuration.

Description	Returns a collection of SNMP configuration.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context":
"$metadata#Collection(AlertDestinations.SNMPConfiguration)",
  "@odata.count": 4,
  "value": [
    {
      "Id": 1,
      "Enabled": true,
      "DestinationAddress": "100.97.1.185",
      "PortNumber": 162,
      "Version": "SNMPV2",
      "SnmpV1V2Credential": {
        "Community": "public"
      }
    },
    {
      "Id": 2,
      "Enabled": true,
      "DestinationAddress": "100.97.1.185",
      "PortNumber": 162,
      "Version": "SNMPV2",
      "SnmpV1V2Credential": {
        "Community": "public"
      }
    },
    {
      "Id": 3,
      "Enabled": false,
```

```
      "DestinationAddress": "100.97.1.185",
      "PortNumber": 162,
      "Version": "SNMPV2",
      "SnmpV1V2Credential": {
        "Community": "public"
      }
    },
    {
      "Id": 4,
      "Enabled": true,
      "DestinationAddress": "100.97.1.185",
      "PortNumber": 162,
      "Version": "SNMPV2",
      "SnmpV1V2Credential": {
        "Community": "public"
      }
    }
  ]
}
```

Table 40. Attributes

Attribute name	Description
Id	ID of the SNMP configuration.
Enabled	Indicates if the SNMP send trap is enabled or disabled.
DestinationAddress	SNMP destination address.
PortNumber	SNMP port number.
Version	SNMP version.
Community	SNMP community.

NOTE: By default, you can configure up to four destinations for syslog/SNMP and the responses are sent to each destination. If there is no information in the response, *PortNumber* is displayed as 0.

api/AlertService/AlertDestinations/Actions/AlertDestinations.ApplySNMPConfig

POST method for AlertDestinations.ApplySNMPConfig

This method configures SNMP.

Description	Configures SNMP.
Privilege	MONITORING_SETUP
HTTP response codes	200

Example request body

```
[
  {
    "Enabled": true,
    "DestinationAddress": "100.97.1.185",
    "PortNumber": "162",
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
      "Community": "public"
      }
    },
  {
    "Enabled": true,
```

```
    "DestinationAddress": "100.97.1.185",
    "PortNumber": "162",
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
      "Community": "public"
      }
  },
  {
    "Enabled": false,
    "DestinationAddress": "100.97.1.185",
    "PortNumber": "162",
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
      "Community": "public"
      }
  },
  {
    "Enabled": true,
    "DestinationAddress": "100.97.1.185",
    "PortNumber": "162",
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
      "Community": "public"
      }
  }
]

Response:
```

Example response body

```
[
  {
    "Id": 1,
    "Enabled": true,
    "DestinationAddress": "100.97.1.185",
    "PortNumber": 162,
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
      "Community": "public"
      },
    "SnmpV3Credential": null
  },
  {
    "Id": 2,
    "Enabled": true,
    "DestinationAddress": "100.97.1.185",
    "PortNumber": 162,
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
      "Community": "public"
      },
    "SnmpV3Credential": null
  },
  {
    "Id": 3,
    "Enabled": false,
    "DestinationAddress": "100.97.1.185",
    "PortNumber": 162,
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
      "Community": "public"
      },
    "SnmpV3Credential": null
  },
  {
    "Id": 4,
    "Enabled": true,
    "DestinationAddress": "100.97.1.185",
    "PortNumber": 162,
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
```

```
      "Community": "public"
      },
    "SnmpV3Credential": null
  }
]
```

Table 41. Attributes

Attribute name	Description
Id	ID of the SNMP configuration.
Enabled	Indicates if the SNMP send trap is enabled or disabled.
DestinationAddress	SNMP destination address.
PortNumber	SNMP port number.
Version	SNMP version.
Community	SNMP community.

/api/AlertService/AlertDestinations/SyslogConfiguration

This URI represents a collection of syslog configuration.

GET method for SyslogConfiguration

This method returns a list of syslog configuration.

Description Returns a list of syslog configuration.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context":
"$metadata#Collection(AlertDestinations.SyslogConfiguration)",
  "@odata.count": 4,
  "value": [
    {
      "Id": 1,
      "Enabled": true,
      "DestinationAddress": "100.97.10.17",
      "PortNumber": 514
    },
    {
      "Id": 2,
      "Enabled": true,
      "DestinationAddress": "100.97.10.17",
      "PortNumber": 514
    },
    {
      "Id": 3,
      "Enabled": true,
      "DestinationAddress": "10.19.12.1",
      "PortNumber": 514
    },
    {
      "Id": 4,
      "Enabled": true,
      "DestinationAddress": "100.97.1.23",
      "PortNumber": 514
    }
```

```
  ]
}
```

Table 42. Attributes

Attribute name	Description
Id	ID of the syslog configuration.
Enabled	Indicates if syslog is enabled or disabled.
DestinationAddress	Destination address of syslog.
PortNumber	Port number of syslog.

NOTE: By default, you can configure up to four destinations for syslog/SNMP and the responses are sent to each destination. If there is no information in the response, *PortNumber* is displayed as 0.

api/AlertService/AlertDestinations/Actions/AlertDestinations.ApplySyslogConfig

POST method for AlertDestinations.ApplySyslogConfig

This method configures the syslog.

Description Configures the syslog.

Privilege MONITORING_SETUP

HTTP response codes 200

Example request body

```
[
  {
    "Enabled": true,
    "DestinationAddress": "100.97.10.17",
    "PortNumber": 514
  },
  {
    "Enabled": true,
    "DestinationAddress": "100.97.10.17",
    "PortNumber": 514
  },
  {
    "Enabled": true,
    "DestinationAddress": "10.19.12.1",
    "PortNumber": 514
  },
  {
    "Enabled": true,
    "DestinationAddress": "100.97.1.23",
    "PortNumber": 514
  }
]
```

Example response body

```
[
  {
    "Id": 1,
    "Enabled": true,
    "DestinationAddress": "100.97.10.17",
    "PortNumber": 514
  },
```

```
  {
    "Id": 2,
    "Enabled": true,
    "DestinationAddress": "100.97.10.17",
    "PortNumber": 514
  },
  {
    "Id": 3,
    "Enabled": true,
    "DestinationAddress": "10.19.12.1",
    "PortNumber": 514
  },
  {
    "Id": 4,
    "Enabled": true,
    "DestinationAddress": "100.97.1.23",
    "PortNumber": 514
  }
]
```


Table 43. Attributes

Attribute name	Description
Id	ID of the syslog.
Enabled	Indicates if syslog is enabled or disabled.
DestinationAddress	Destination address of syslog.
PortNumber	Port number of syslog.

/api/AlertService/AlertDestinations/SMTPConfiguration

This URI represents the SMTP configuration.

GET method for SMTPConfiguration

This method returns a collection of SMTP configuration.

Description	Returns a collection of SMTP configuration.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context":
"$metadata#Collection(AlertDestinations.SMTPConfiguration)",
  "@odata.count": 1,
  "value": [
    {
      "DestinationAddress": "10.35.12.7",
      "UseCredentials": false,
      "PortNumber": 25,
      "UseSSL": false,
      "Credential": null
    }
  ]
}
```


Table 44. Attributes

Attribute name	Description
DestinationAddress	Destination address of SMTP.

Table 44. Attributes (continued)

Attribute name	Description
PortNumber	Port number of SMTP.
UseCredentials	Indicates if credentials are used.
UseSSL	Indicates if SSL is used.

POST method for SMTPConfiguration

This method configures SMTP to send emails.

Description Configures SMTP.

Privilege MONITORING_SETUP

HTTP response codes 200

Example request body

```
{
  "DestinationAddress":"10.35.12.7",
  "PortNumber":25,
  "UseCredentials":false,
  "UseSSL" : false,
  "Credential": {
    "User":"root",
    "Password":"calvin"
    }
}
```

Example response body

```
{
  "DestinationAddress": "10.35.12.7",
  "PortNumber": 25,
  "UseCredentials": false,
  "UseSSL": false,
  "Credential": null
}
```

Table 45. Attributes

Attribute name	Description
DestinationAddress	Destination address of SMTP.
PortNumber	Port number of SMTP.
UseCredentials	Indicates if credentials are used.
UseSSL	Indicates if SSL is used.
User	User name
Password	Password

/api/AlertService/AlertDestinations/Actions/AlertDestinations.SendTestTrap

POST method for AlertDestinations.SendTestTrap

This method sends an SNMP trap to the destination address.

Description Sends an SNMP trap to the destination address.

Privilege	MONITORING_SETUP
HTTP response codes	200

Example request body

```
{
  "Enabled":"true",
  "DestinationAddress":"10.35.12.7",
  "PortNumber":162,
  "Version":"SNMPV1",
  "SnmpV1V2Credential": {
     "Community":"public"
     }
}
```

Table 46. Attributes

Attribute name	Description
DestinationAddress	Destination address of SNMP.
PortNumber	Trap port number of SNMP.
Version	Version of SNMP.
Community	Community of SNMP.

5

Alerts

Topics:

- Alert logs
- Alert policies
- Alert definitions

Alert logs

/api/AlertService/Alerts

This URI represents the alerts.

Table 47. Filters

Filter name	Description
Top	Top records to return. Default value is 100.
Skip	Max records to skip. Default value is 0.
Orderby	Order to apply to the output.
Id	Filter by event ID. Default value is 0.
AlertDeviceId	Filter by device ID. Default value is 0.
AlertDeviceIdentifier	Filter by device identifier.
AlertDeviceType	Filter by device type. Default value is 0.
SeverityType	Filter by severity type. Default value is 0.
StatusType	Filter by status type. Default value is 0.
CategoryId	Filter by category ID. Default value is 0.
SubCategoryId	Filter by subcategory ID. Default value is 0.
SubCategoryName	Filter by subcategory name.
Message	Filter by message.
TimeStampBegin	Filter by starting time of alerts.
TimeStampEnd	Filter by ending time of alert.
AlertDeviceName	Filter by alert device name.

GET method for Alerts

This method returns the alerts that have been received.

Description	Returns alerts that have been received.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#Collection(AlertService.Alert)",
  "@odata.count": 11,
  "value":
  [
    {
      "@odata.id": "/api/AlertService/Alerts(2)",
      "Id": 2,
      "SeverityType": 16,
      "SeverityName": "Critical",
      "AlertDeviceId": 1714,
      "AlertDeviceName": "localhost.smd.devops.dell.com",
      "AlertDeviceType": 1000,
      "AlertDeviceIpAddress": "xx.xx.xx.xx",
      "AlertDeviceMacAddress": "18:a9:9b:fd:cb:37",
      "AlertDeviceIdentifier": "VBC1234",
      "AlertDeviceAssetTag": "",
      "DefinitionId": 1100,
      "CatalogName": "NGM Chassis",
      "CategoryId": 1000,
      "CategoryName": "System Health",
      "SubCategoryId": 7705,
      "SubCategoryName": "Temperature",
      "StatusType": 2000,
      "StatusName": "Not-Acknowledged",
      "TimeStamp": "2016-11-19 00:00:00.000",
      "Message": "The system board battery is low.",
      "EemiMessage": "The system board battery is low.",
      "RecommendedAction": "NA",
      "AlertMessageId": "BAT0000",
      "AlertVarBindDetails": "",
      "AlertMessageType": "REDFISH"
    }
  ]
}
```


Table 48. Attributes

Attribute name	Description
Id	Event record ID.
SeverityType	ID of severity.
SeverityName	Name of severity.
AlertDeviceId	ID of device.
AlertDeviceName	Name of device.
AlertDeviceType	Device type ID.
AlertDeviceIpAddress	IP address of device.
AlertDeviceMacAddress	MAC address of device.
AlertDeviceIdentifier	Identifier or Service Tag of device.
AlertDeviceAssetTag	Asset tag of device.
DefinitionId	ID of the definition associated to the alert.
CatalogName	Catalog name associated to alert.
CategoryId	Category ID associated to alert.
CategoryName	Category name associated to alert.
SubCategoryId	Sub category ID associated to alert.
SubCategoryName	Sub category name associated to alert.

Table 48. Attributes (continued)

Attribute name	Description
StatusType	ID of status type.
StatusName	Name of status type.
TimeStamp	Date and time when the alert was raised.
Message	Message describing the issue.
EemiMessage	Event and Error Message describing the issue, if applicable.
RecommendedAction	Recommended action for the alert.
AlertMessageId	Event and Alert Message ID associated with the issue.
AlertVarBindDetails	List of variable bindings of the alert, if applicable.
AlertMessageType	Type of message—Internal, SNMP, Redfish, and so on.

/api/AlertService/Alerts?$filter=contains(UserName,'admin')

This URL represents alerts by username and role.

GET method for Alerts?$filter=contains(UserName,'admin')

This method returns alerts by username and role.

Description	Returns alerts by username and role.
Privilege	VIEW
HTTP response code	200

Example response body	{
	"@odata.context": "/api/$metadata#Collection(AlertService.Alert)",
	"@odata.count": 0,
	"value":[
	]
	}

/api/AlertService/Alerts?$filter=StatusType eq 2000

This URL represents the alerts by status type.

GET method for Alerts?$filter=StatusType eq 2000

This method returns alerts by status type.

Description	Returns alerts by status type.
Privilege	VIEW
HTTP response code	200
Example response body	{ "@odata.context": "/api/$metadata#Collection(AlertService.Alert)", "@odata.count": 227, "value":[

```
{
"@odata.type": "#AlertService.Alert",
"@odata.id": "/api/AlertService/Alerts(4592)",
"Id": 4592,
"SeverityType": 2,
"SeverityName": "Info",
"AlertDeviceId": 10056,
"AlertDeviceName": "Sled-5",
"AlertDeviceType": 1000,
"AlertDeviceIpAddress": "100.97.211.81",
"AlertDeviceMacAddress": "",
"AlertDeviceIdentifier": "96MF0T2",
"AlertDeviceAssetTag": "",
"DefinitionId": -25698976,
"CatalogName": "iDRAC",
"CategoryId": 2,
"CategoryName": "Storage",
"SubCategoryId": 113,
"SubCategoryName": "Storage Controller",
"StatusType": 2000,
"StatusName": "Not-Acknowledged",
"TimeStamp": "2019-09-16 05:33:02.279",
"Message": "Message Id: CTL38, Device Display Name: Integrated RAID
Controller 1, Message: The Patrol Read operation completed for Integrated
RAID Controller 1., Device Status: 3, Device Fqdd: RAID.Integrated.1-1,
System Service Tag: 96MF0T2, System Name: WIN-FOVFDODK3RK, Chassis Service
Tag: MXNG1X3, Chassis Name: MX-MXNG1X3_Lead, Rac Fqdn: idrac-96MF0T2",
"EemiMessage": "The patrol read task ended.",
"RecommendedAction": "No response action is required.",
"AlertMessageId": "CTL38",
"AlertVarBindDetails": "<?xml version=\"1.0\" encoding=\"utf-8\"?
><trap><agentAddress>100.97.211.81</
agentAddress><enterpriseOID>.1.3.6.1.4.1.674.10892.5.3.2.2</
enterpriseOID><specificTrapId>4331</
specificTrapId><varbinds><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.1.0</
oid><datatype>OctetString</datatype><value>CTL38</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.2.0</
oid><datatype>OctetString</datatype><value>The Patrol Read operation
completed for Integrated RAID Controller 1.</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.3.0</
oid><datatype>Integer32</datatype><value>3</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.4.0</
oid><datatype>OctetString</datatype><value>96MF0T2</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.5.0</
oid><datatype>OctetString</datatype><value>WIN-FOVFDODK3RK</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.6.0</
oid><datatype>OctetString</datatype><value>RAID.Integrated.1-1</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.7.0</
oid><datatype>OctetString</datatype><value>Integrated RAID Controller 1</
value></varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.8.0</
oid><datatype>OctetString</datatype><value>\"Integrated RAID Controller 1\"</
value></varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.9.0</
oid><datatype>OctetString</datatype><value>MXNG1X3</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.10.0</
oid><datatype>OctetString</datatype><value>MX-MXNG1X3_Lead</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.11.0</
oid><datatype>OctetString</datatype><value>idrac-96MF0T2</value></varbind></
varbinds></trap>",
"AlertMessageType": "SNMP",
"MessageArgs": "",
"AlertDeviceGroup": 0,
"UserName": ""
},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4591)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4590)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4589)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4588)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
```

```
Alerts(4587)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4586)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4585)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4584)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4583)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4582)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4581)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4580)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4579)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4578)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4577)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4576)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4575)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4574)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4573)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4572)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4571)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4570)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4569)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4568)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4567)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4566)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4565)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4564)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4563)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4562)",…},
{"@odata.type": "#AlertService.Alert", "@odata.id": "/api/AlertService/
Alerts(4561)",…},
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Alerts(4560)",…},
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],
"@odata.nextLink": "/api/AlertService/Alerts?$skip=100&$top=100"
}
```


/api/AlertService/Alerts?$filter=StatusType eq 1000

This URL represents the acknowledged alerts.

GET method for Alerts?$filter=StatusType eq 1000

Description	Returns the acknowledged alerts.
Privilege	VIEW
HTTP response code	200
Example response body	


```
{
"@odata.context": "/api/$metadata#Collection(AlertService.Alert)",
"@odata.count": 322,
"value":[
{
"@odata.type": "#AlertService.Alert",
```

```
"@odata.id": "/api/AlertService/Alerts(4303)",
"Id": 4303,
"SeverityType": 2,
"SeverityName": "Info",
"AlertDeviceId": 11784,
"AlertDeviceName": "Sled-2",
"AlertDeviceType": 1000,
"AlertDeviceIpAddress": "",
"AlertDeviceMacAddress": "d0:94:66:90:0b:2a",
"AlertDeviceIdentifier": "GFWB9V2",
"AlertDeviceAssetTag": "ABCDEF",
"DefinitionId": 1449937440,
"CatalogName": "iDRAC",
"CategoryId": 4,
"CategoryName": "Audit",
"SubCategoryId": 71,
"SubCategoryName": "System Info",
"StatusType": 1000,
"StatusName": "Acknowledged",
"TimeStamp": "2019-09-12 09:29:40.118",
"Message": "Message Id: SYS1003, Device Display Name: iDRAC, Message: System
CPU Resetting., Device Status: 3, Device Fqdd:
iDRAC.Embedded.1#HostPowerCtrl, System Service Tag: GFWB9V2, System Name:
WIN-L89FA63L7EJ, Chassis Service Tag: MXNG1X3, Chassis Name: MX-
MXNG1X3_Lead, Rac Fqdn: idrac-GFWB9V2",
"EemiMessage": "System is performing a CPU reset because of system power
off, power on or a warm reset like CTRL-ALT-DEL.",
"RecommendedAction": "No response action is required.",
"AlertMessageId": "SYS1003",
"AlertVarBindDetails": "<?xml version=\"1.0\" encoding=\"utf-8\"?
><trap><agentAddress>0.0.0.0</
agentAddress><enterpriseOID>.1.3.6.1.4.1.674.10892.5.3.2.4</
enterpriseOID><specificTrapId>8579</
specificTrapId><varbinds><varbind><oid>1.3.6.1.4.1.674.10892.5.3.1.1.0</
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],
"@odata.nextLink": "/api/AlertService/Alerts?$skip=100&$top=100"
}
```


/api/AlertService/Alerts?$filter=StatusType eq 1

This URL represents all the alerts.

GET method for Alerts?$filter=StatusType eq 1

Description	Returns all the alerts.
Privilege	VIEW
HTTP response code	200
Example response body	


```
{
"@odata.context": "/api/$metadata#Collection(AlertService.Alert)",
"@odata.count": 0,
"value":[
]
}
```

/api/AlertService/Alerts(Id)

This URI represents a specific alert.

GET method for Alerts(Id)

This method returns the details of a specific alert.

Description	Returns the details of a specific alert.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#AlertService.Alert/$entity",
  "@odata.id": "/api/AlertService/Alerts(3)",
  "Id": 3,
  "SeverityType": 16,
  "SeverityName": "Critical",
  "AlertDeviceId": 1714,
  "AlertDeviceName": "localhost.smd.devops.dell.com",
  "AlertDeviceType": 1000,
  "AlertDeviceIpAddress": "xx.xx.xx.xx",
  "AlertDeviceMacAddress": "18:a9:9b:fd:cb:37",
  "AlertDeviceIdentifier": "VBC1234",
  "AlertDeviceAssetTag": null,
  "DefinitionId": 1100,
  "CatalogName": "NGM Chassis",
  "CategoryId": 1000,
  "CategoryName": "System Health",
  "SubCategoryId": 7705,
  "SubCategoryName": "Temperature",
  "StatusType": 2000,
  "StatusName": "Not-Acknowledged",
  "TimeStamp": "2016-11-19 00:00:00.000",
  "Message": "The system board battery is low.",
  "EemiMessage": "The system board battery is low.",
  "RecommendedAction": "NA",
  "AlertMessageId": "BAT0000",
  "AlertVarBindDetails": null,
  "AlertMessageType": "REDFISH"
}
```


Table 49. Attributes

Attribute name	Description
Id	Event record ID.
SeverityType	ID of severity.
SeverityName	Name of severity.
AlertDeviceId	ID of device.
AlertDeviceName	Name of device.
AlertDeviceType	Device type ID.
AlertDeviceIpAddress	IP address of device.
AlertDeviceMacAddress	MAC address of device.
AlertDeviceIdentifier	Identifier or Service Tag of device.
AlertDeviceAssetTag	Asset tag of device.
DefinitionId	ID of the definition associated to the alert.

Table 49. Attributes (continued)

Attribute name	Description
CatalogName	Catalog name associated to alert.
CategoryId	Category ID associated to alert.
CategoryName	Category name associated to alert.
SubCategoryId	Sub category ID associated to alert.
SubCategoryName	Sub category name associated to alert.
StatusType	ID of status type.
StatusName	Name of status type.
TimeStamp	Date and time when the alert was raised.
Message	Message describing the issue.
EemiMessage	Event and Error Message describing the issue, if applicable.
RecommendedAction	Recommended action for the alert.
AlertMessageId	Event and Alert Message ID associated with the issue.
AlertVarBindDetails	List of variable bindings of the alert, if applicable.
AlertMessageType	Type of message—Internal, SNMP, Redfish, and so on.

/api/AlertService/AlertCategories

This URI represents all the alert categories.

GET method for AlertCategories

This method returns all the alert categories.

Description Returns all alert categories.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "$metadata#Collection(AlertService.AlertCategories)",
  "@odata.count": 3,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertCategories('Application')",
      "Name": "Application",
      "CategoriesDetails": [
        {
          "Id": 1000,
          "Name": "System Health",
          "CatalogName": "Application",
          "SubCategoryDetails": [
            {
              "Id": 7500,
              "Name": "Online Status of Managed device",
              "Description": "Online Status of Managed device"
            },
            {
              "Id": 7400,
              "Name": "Health Status of Managed device",
              "Description": "Health Status of Managed device"
            }
```

```
          ]
        },
        {
          "Id": 1003,
          "Name": "Audit",
          "CatalogName": "Application",
          "SubCategoryDetails": [
            {
              "Id": 7600,
              "Name": "Device Compliance",
              "Description": "Device Compliance"
            }
          ]
        }
      ]
    }
}
```


Table 50. Attributes

Attribute name	Description
Name	Name of the catalog for the category.
CategoriesDetails	
Id	ID of the category associated on the catalog.
Name	Name of category.
Catalog Name	Name of the catalog for which the category is associated.
SubCategoryDetails	
Id	ID of subcategory.
Name	Name of subcategory.
Description	Description of subcategory.

/api/AlertService/AlertCategories('Name')

This URI represents the alert categories for a specific catalog within the collection.

GET method for AlertCategories('Name')

This method returns the alert categories for a specific catalog.

Description Returns the details of a specific alert category.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "$metadata#AlertService.AlertCategories/$entity",
  "@odata.id": "/api/AlertService/AlertCategories('Application')",
  "Name": "Application",
  "CategoriesDetails": [
    {
      "Id": 1000,
      "Name": "System Health",
      "CatalogName": "Application",
      "SubCategoryDetails": [
        {
          "Id": 7500,
          "Name": "Online Status of Managed device",
```

```
            "Description": "Online Status of Managed device"
          },
          {
            "Id": 7400,
            "Name": "Health Status of Managed device",
            "Description": "Health Status of Managed device"
          }
        ]
    }
}
```

Table 51. Attributes

Attribute name	Description
Name	Name of the catalog for the category.
CategoriesDetails	
Id	ID of the category associated on the catalog.
Name	Name of category.
Catalog Name	Name of the catalog for which the category is associated.
SubCategoryDetails	
Id	ID of subcategory.
Name	Name of subcategory.
Description	Description of subcategory.

/api/AlertService/AlertSeverities

This URI represents the alert severities.

GET method for AlertSeverities

This method returns all the severities applicable to an alert.

Description Returns all the severities applicable to an alert.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AlertService.AlertSeverity)",
  "@odata.count": 5,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertSeverities(1)",
      "Id": 1,
      "Name": "Unknown",
      "Description": "Unknown"
    },
    {
      "@odata.id": "/api/AlertService/AlertSeverities(2)",
      "Id": 2,
      "Name": "Info",
      "Description": "Info"
    },
    {
      "@odata.id": "/api/AlertService/AlertSeverities(4)",
      "Id": 4,
      "Name": "Normal",
```

```
      "Description": "Normal"
    },
    {
      "@odata.id": "/api/AlertService/AlertSeverities(8)",
      "Id": 8,
      "Name": "Warning",
      "Description": "Warning"
    },
    {
      "@odata.id": "/api/AlertService/AlertSeverities(16)",
      "Id": 16,
      "Name": "Critical",
      "Description": "Critical"
    }
  ]
}
```


Table 52. Attributes

Attribute name	Description
Id	ID of the severity.
Name	Name of the severity.
Description	Description of the severity.

/api/AlertService/AlertSeverities(Id)

This URI represents a specific alert severity.

GET method for AlertSeverities(Id)

This method returns the details of a specific alert severity.

Description	Returns the details of a specific alert severity.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#AlertService.AlertSeverity/$entity",
  "@odata.id": "/api/AlertService/AlertSeverities(1)",
  "Id": 1,
  "Name": "Unknown",
  "Description": "Unknown"
}
```


Table 53. Attributes

Attribute name	Description
Id	ID of the severity.
Name	Name of the severity
Description	Description of the severity.

/api/AlertService/AlertStatuses

This URI represents the statuses for an alert.

GET method for AlertStatuses

This method returns all possible statues that are applicable to an alert.

Description	Returns all the possible alert statues.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(AlertService.AlertStatus)",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertStatuses(1000)",
      "Id": 1000,
      "Name": "Acknowledged",
      "Description": "The event was acknowledged"
    },
    {
      "@odata.id": "/api/AlertService/AlertStatuses(2000)",
      "Id": 2000,
      "Name": "Not-Acknowledged",
      "Description": "The event was not acknowledged"
    }
  ]
}
```

Table 54. Attributes

Attribute name	Description
Id	ID of the alert status.
Name	Name of the alert status
Description	Description of the alert status.

/api/AlertService/AlertStatuses(Id)

This URI represents a specific alert status within the collection.

GET method for AlertStatuses(Id)

This method returns the details of alert statuses.

Description	Returns details of a specific alert status.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
    "@odata.context": "/api/$metadata#AlertService.AlertStatus",
    "@odata.type": "#AlertService.AlertStatus",
    "@odata.id": "/api/AlertService/AlertStatuses(1000)",
    "Id": 1000,
    "Name": "Acknowledged",
```

```
    "Description": "The event was acknowledged"
}
```

Table 55. Attributes

Attribute name	Description
Id	ID of the alert status
Name	Name of the alert status
Description	Description of the alert status

/api/AlertService/AlertCatalogs

This URI represents the catalogs applicable to an event.

Table 56. Filters

Filter name	Description
Top	Top records to return. Default value is 100.
Skip	Maximum records to skip. Default value is 0.
Id	Filter by event ID. Default value is 0.

GET method for AlertCatalogs

This method returns the catalogs applicable to events.

Description Returns the catalogs applicable to events.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AlertService.AlertCatalog)",
  "@odata.count": 9,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertCatalogs(1000)",
      "Id": 1000,
      "CatalogName": "iDRAC",
      "InternalName": "MIB-Dell-10892",
      "ReleaseVersion": "7.4.0",
      "IsBuiltIn": true,
      "IsVisible": true
    },
    {
      "@odata.id": "/api/AlertService/AlertCatalogs(1001)",
      "Id": 1001,
      "CatalogName": "iDRAC",
      "InternalName": "IDRAC-MIB-SMIv2",
      "ReleaseVersion": "v3.3",
      "IsBuiltIn": true,
      "IsVisible": true
    },
    {
      "@odata.id": "/api/AlertService/AlertCatalogs(1002)",
      "Id": 1002,
      "CatalogName": "iDRAC",
      "InternalName": "MIB-Dell-10909",
      "ReleaseVersion": "9.0.0",
      "IsBuiltIn": true,
```

```
      "IsVisible": true
    }
}
```

Table 57. Attributes

Attribute name	Description
Id	Catalog ID.
CatalogName	Name of the catalog.
InternalName	Internal name associated with the catalog.
ReleaseVersion	Catalog version.
IsBuiltIn	Indicates if the catalog in built-in or is manually included.
IsVisible	Indicates if the catalog is visible or hidden.

/api/AlertService/AlertCatalogs(Id)

This URI represents a specific alert catalog.

GET method for AlertCatalogs(Id)

This method returns the details of a specific alert catalog.

Description	Returns the details of a specific alert catalog.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#AlertService.AlertCatalog/$entity",
  "@odata.id": "/api/AlertService/AlertCatalogs(1000)",
  "Id": 1000,
  "CatalogName": "iDRAC",
  "InternalName": "MIB-Dell-10892",
  "ReleaseVersion": "7.4.0",
  "IsBuiltIn": true,
  "IsVisible": true
}
```

Table 58. Attributes

Attribute name	Description
Id	Catalog ID.
CatalogName	Name of the catalog.
InternalName	Internal name associated with the catalog.
ReleaseVersion	Catalog version.
IsBuiltIn	Indicates if the catalog in built-in or is manually included.
IsVisible	Indicates if the catalog is visible or hidden.

/api/AlertService/Events

This URI represents the events.

POST method for Events

This method creates an event.

Description	Creates a Redfish event.
Privilege	MONITORING_SETUP
HTTP response codes	201
Example request body	

```
{
  "Context": "OME-ModularSubsc",
  "EventId": "0",
     "EventTimestamp": "2016-11-19T10:54:26+0000",
  "EventType": "Alert",
  "MemberId": "bbdbfb20-ae33-11e6-a44b-1866da78fcba",
     "Message": "The system board battery is low.",
     "MessageArgs": ["arg1", "arg2"],
  "MessageId": "BAT0000",
  "Severity": "Warning"
}
```

/api/AlertService/Actions/AlertService.Acknowledge

POST method for AlertService.Acknowledge

This method acknowledges the alerts.

Description	Acknowledges alerts. In one request, you can acknowledge only one of the following: • A specific alert • All alerts • A group of alerts based on the filters you provide
Privilege	MONITORING_SETUP
HTTP response codes	201
Example request body	

```
{
    "AlertIds": [100,200,300],
    "AllAlerts": true,
    "Filters": {
        "DeviceIds": [0],
        "DeviceType": 0,
        "Severity": 0,
        "StatusType": 1000,
        "StartDate": "",
        "EndDate": "",
        "SourceName": "",
        "Category": 0,
        "SubCategory": 0,
        "Message": ""
    }
}
```

Table 59. Attributes

Attribute	Description
AlertIds	List of alert IDs. This value is an empty list when *AllAlerts* is True.
AllAlerts	True or False. Determines if action should be taken for all alerts.
Filters	Optional filters to specify when *AllAlerts* is True.
DeviceIds	List of IDs of devices.
DeviceType	Device type ID.
Severity	ID of severity.
StatusType	ID of status type.
StartDate	Start date and time when the alerts were raised.
EndDate	End date and time when the alerts were raised.
SourceName	Source of the alert.
Category	Category ID associated to the alert.
SubCategory	Subcategory ID associated to the alert.
Message	Description of the issue.

/api/AlertService/Actions/AlertService.Unacknowledge

POST method for AlertService.Unacknowledge

This method removes the acknowledgment from the alerts.

Description

Removes the acknowledgment from the alerts. In one request, you can remove the acknowledgment for only one of the following:

- A specific alert
- All alerts
- A group of alerts based on the filters you provide

Privilege

MONITORING_SETUP

HTTP response codes

201

Example request body

```
{
     "AlertIds": [100,200,300],
     "AllAlerts": true,
     "Filters": {
          "DeviceIds": [0],
          "DeviceType": 0,
          "Severity": 0,
          "StatusType": 1000,
          "StartDate": "",
          "EndDate": "",
          "SourceName": "",
          "Category": 0,
          "SubCategory": 0,
          "Message": ""
  }
}
```

Table 60. Attributes

Attribute	Description
AlertIds	List of alert IDs. This value is an empty list when *AllAlerts* is True.
AllAlerts	True or False. Determines if action should be taken for all alerts.
Filters	Optional filters to specify when *AllAlerts* is True.
DeviceIds	List of IDs of devices.
DeviceType	Device type ID.
Severity	ID of severity.
StatusType	ID of status type.
StartDate	Start date and time when the alerts were raised.
EndDate	End date and time when the alerts were raised.
SourceName	Source of the alert.
Category	Category ID associated to the alert.
SubCategory	Subcategory ID associated to the alert.
Message	Description of the issue.

/api/AlertService/Actions/AlertService.RemoveAlerts

POST method for AlertService.RemoveAlerts

This method removes the alerts.

Description

Removes the alerts. In one request, you can remove only one of the following:

- A specific alert
- All alerts
- A group of alerts based on the filters you provide

Privilege

MONITORING_SETUP

HTTP response codes

201

Example request body

```
{
    "AlertIds": [100,200,300],
    "AllAlerts": true,
    "Filters": {
         "DeviceIds": [0],
         "DeviceType": 0,
         "Severity": 0,
         "StatusType": 1000,
         "StartDate": "",
         "EndDate": "",
         "SourceName": "",
         "Category": 0,
         "SubCategory": 0,
         "Message": ""
    }
}
```

Table 61. Attributes

Attribute	Description
AlertIds	List of alert IDs. This value is an empty list when *AllAlerts* is True.
AllAlerts	True or False. Determines if action should be taken for all alerts.
Filters	Optional filters to specify when *AllAlerts* is True.
DeviceIds	List of IDs of devices.
DeviceType	Device type ID.
Severity	ID of severity.
StatusType	ID of status type.
StartDate	Start date and time when the alerts were raised.
EndDate	End date and time when the alerts were raised.
SourceName	Source of the alert.
Category	Category ID associated to the alert.
SubCategory	Subcategory ID associated to the alert.
Message	Description of the issue.

Alert policies

/api/AlertService/AlertPolicies

This URI represents the policies that are created.

Table 62. Filters

Filter name	Description
Top	Top records to return. Default value is 100.
Skip	Maximum records to skip. Default value is 0.
Id	Filter by policy IDs.
State	Filter by state—True or False.
Visible	Filter by visible state—True or False.

GET method for AlertPolicies

This method returns the policies that are created.

Description Returns all the policies.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AlertService.AlertPolicy)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertPolicies(314)",
      "Id": 314,
```

```
      "Name": "Default OnDemand Health Policy",
      "Description": "This policy is applicable to all devices. A health
task will be triggered if category is for system health.",
      "Enabled": true,
      "DefaultPolicy": true,
      "PolicyData": {
        "Catalogs": [
          {
            "CatalogName": "iDRAC",
            "Categories": [
              3300
            ],
            "SubCategories": [
              0
            ]
          }
        ],
        "Severities": [
          1,
          2,
          4,
          8,
          16
        ],
        "Devices": [],
        "DeviceTypes": [],
        "Groups": [
          4
        ],
        "Schedule": {
          "StartTime": null,
          "EndTime": null,
          "CronString": null
        },
        "Actions": [
          {
            "Id": 1,
            "Name": "OnDemandHealth",
            "ParameterDetails": [],
            "TemplateId": 80
          }
        ]
      },
      "State": true,
      "Visible": true,
      "PolicyActions": [
        {
          "@odata.id": "/api/AlertService/AlertPolicies(314)/PolicyActions"
        }
      ],
      "PolicyCriteria": [
        {
          "@odata.id": "/api/AlertService/AlertPolicies(314)/PolicyCriteria"
        }
      ]
    }
  ]
}
```


Table 63. Attributes

Attribute name	Description
Id	Event record ID.
Name	Name associated with the policy.
Description	Description associated with the policy.
Enabled	Indicates if the policy is enabled or disabled.
DefaultPolicy	Indicates if the policy is the default policy or pre-seeded.

Table 63. Attributes (continued)

Attribute name	Description
State	State associated with the policy.
Visible	Indicate if the policy is visible or hidden.
PolicyData	
CatalogName	Name of the catalogs associated with the policy. This field is checked during policy evaluation.
Categories	Name of the categories associated with the policy. This field is checked during policy evaluation.
SubCategories	Name of the subcategories associated with the policy. If defined, this field is checked during policy evaluation.
Severities	List of severities associated to the policy. This field is checked during policy evaluation.
Devices	List of devices associated to the policy. This field is checked during policy evaluation.
DevicesTypes	List of devices types associated to the policy.
Groups	List of groups associated to the policy. This field is checked during policy evaluation.
Schedule	
StartTime	Start event-time to verify. This value indicates the start date and time for policy validity. If defined. This field is checked during policy evaluation.
EndTime	End event-time to verify. This value indicates the end date and time for policy validity. If defined. This field is checked during policy evaluation.
CronString	CRON string associated to the policy. This field indicates a special CRON that can be applied to the policy to indicate values such as the days for which the policy is valid.
Actions	
Id	ID of action.
Name	Name associated with the action.
ParameterDetails	Extra parameters that can be used for the action.
TemplateId	ID of the template associated with the action.
PolicyActions	Link to the list of actions that can be triggered for the policy.
PolicyCriteria	Link to the criteria for the evaluation of the alert contents with the policy contents. This evaluation determines if the policy is valid and if any actions are triggered.

POST method for AlertPolicies

This method creates a policy.

Description	Creates a policy.
Privilege	MONITORING_SETUP
HTTP response codes	201

Example request body

```
{
  "Id": 0,
  "Name": "Policy",
  "Description": "Policy",
  "Enabled": true,
  "DefaultPolicy": false,
  "PolicyData": {
    "Catalogs": [
      {
        "CatalogName": "iDRAC",
        "Categories": [0],
        "SubCategories": [0]
      },
      {
        "CatalogName": "Application",
        "Categories": [0],
        "SubCategories": [0]
      }
    ],
    "Severities": [16, 1, 2, 4, 8],
    "Devices": [1714],
    "Groups": [],
    "DeviceTypes": [1000],
    "Schedule": {
         "StartTime": "2016-06-06 15:02:46.000",
         "EndTime": "2017-06-06 15:02:46.000",
         "CronString": "* * * ? * * *"
        },
          "Actions": [
            {
                 "TemplateId": 50,
              "Name": "Email",
              "ParameterDetails": [
                {
                  "Name": "subject",
                  "Value": "Device Name: $name,  Device IP Address: $ip,
Severity: $severity"
                },
                {
                  "Name": "to",
                  "Value": "test@dell.com"
                },
                {
                  "Name": "from",
                  "Value": "MCSIApplication@Dell.com"
                },
                {
                  "Name": "message",
                  "Value": "Event occurred for Device Name: $name,   Device
IP Address: $ip,   Service Tag: $identifier,   Time: $time,   Severity:
$severity,   $message"
                }
              ]
            }
          ]
    },
    "State": true
}
```

Example response body

```
{
  "Id": 4114,
  "Name": "Policy",
  "Description": "Policy",
  "Enabled": true,
  "DefaultPolicy": false,
  "Editable": true,
  "Visible": true,
  "PolicyData": {
```

```
    "Catalogs": [
      {
        "CatalogName": "iDRAC",
        "Categories": [
          0
        ],
        "SubCategories": [
          0
        ]
      },
      {
        "CatalogName": "Application",
        "Categories": [
          0
        ],
        "SubCategories": [
          0
        ]
      }
    ],
    "Severities": [
      16,
      1,
      2,
      4,
      8
    ],
    "Devices": [
      1714
    ],
    "DeviceTypes": [
      1000
    ],
    "Groups": [],
    "Schedule": {
      "StartTime": "2016-06-06 15:02:46.000",
      "EndTime": "2017-06-06 15:02:46.000",
      "CronString": "* * * ? * * *"
    },
    "Actions": [
      {
        "Id": 3,
        "Name": "Email",
        "ParameterDetails": [
          {
            "Name": "subject",
            "Value": "Device Name: $name,  Device IP Address: $ip,
Severity: $severity",
            "Type": "string",
            "TypeParams": [
              {
                "Name": "maxLength",
                "Value": "255"
              }
            ]
          },
          {
            "Name": "to",
            "Value": "test@dell.com",
            "Type": "string",
            "TypeParams": [
              {
                "Name": "maxLength",
                "Value": "255"
              }
            ]
          },
          {
            "Name": "from",
            "Value": "MCSIApplication@Dell.com",
            "Type": "string",
            "TypeParams": [
```

```
              {
                "Name": "maxLength",
                "Value": "255"
              }
            ]
          },
          {
            "Name": "message",
            "Value": "Event occurred for Device Name: $name,   Device IP
Address: $ip,   Service Tag: $identifier,   Time: $time,   Severity:
$severity,   $message",
            "Type": "string",
            "TypeParams": [
              {
                "Name": "maxLength",
                "Value": "255"
              }
            ]
          }
        ],
        "TemplateId": 50
      }
    ]
  },
  "State": true
}
```


/api/AlertService/AlertPolicies(Id)

This URI represents a specific policy within the collection.

GET method for AlertPolicies(Id)

This method returns the details of a specific policy.

Description	Returns the details of a specific policy.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "$metadata#AlertService.AlertPolicy/$entity",
  "@odata.id": "/api/AlertService/AlertPolicies(314)",
  "Id": 314,
  "Name": "Default OnDemand Health Policy",
  "Description": "This policy is applicable to all devices. A health task
will be triggered if category is for system health.",
  "Enabled": true,
  "DefaultPolicy": true,
  "PolicyData": {
    "Catalogs": [
      {
        "CatalogName": "iDRAC",
        "Categories": [
          3300
        ],
        "SubCategories": [
          0
        ]
      }
    ],
    "Severities": [
      1,
      2,
      4,
```

```
      8,
      16
    ],
    "Devices": [],
    "DeviceTypes": [],
    "Groups": [
      4
    ],
    "Schedule": {
      "StartTime": null,
      "EndTime": null,
      "CronString": null
    },
    "Actions": [
      {
        "Id": 1,
        "Name": "OnDemandHealth",
        "ParameterDetails": [],
        "TemplateId": 80
      }
    ]
  },
  "State": true,
  "Visible": true,
  "PolicyActions": [
    {
      "@odata.id": "/api/AlertService/AlertPolicies(314)/PolicyActions"
    }
  ],
  "PolicyCriteria": [
    {
      "@odata.id": "/api/AlertService/AlertPolicies(314)/PolicyCriteria"
    }
  ]
}
```


Table 64. Attributes

Attribute name	Description
Id	Event record ID.
Name	Name associated with the policy.
Description	Description associated with the policy.
Enabled	Indicates if the policy is enabled or disabled.
DefaultPolicy	Indicates if the policy is the default policy or pre-seeded.
State	State associated with the policy.
Visible	Indicate if the policy is visible or hidden.
PolicyData	
CatalogName	Name of the catalogs associated with the policy. This field is checked during policy evaluation.
Categories	Name of the categories associated with the policy. This field is checked during policy evaluation.
SubCategories	Name of the subcategories associated with the policy. If defined, this field is checked during policy evaluation.
Severities	List of severities associated to the policy. This field is checked during policy evaluation.
Devices	List of devices associated to the policy. This field is checked during policy evaluation.
DevicesTypes	List of devices types associated to the policy.

Table 64. Attributes (continued)

Attribute name	Description
Groups	List of groups associated to the policy. This field is checked during policy evaluation.
Schedule	
StartTime	Start event-time to verify. This value indicates the start date and time for policy validity. If defined. This field is checked during policy evaluation.
EndTime	End event-time to verify. This value indicates the end date and time for policy validity. If defined. This field is checked during policy evaluation.
CronString	CRON string associated to the policy. This field indicates a special CRON that can be applied to the policy to indicate values such as the days for which the policy is valid.
Actions	
Id	ID of action.
Name	Name associated with the action.
ParameterDetails	Extra parameters that can be used for the action.
TemplateId	ID of the template associated with the action.
PolicyActions	Link to the list of actions that can be triggered for the policy.
PolicyCriteria	Link to the criteria for the evaluation of the alert contents with the policy contents. This evaluation determines if the policy is valid and if any actions are triggered.

PUT method for AlertPolicies(Id)

This method updates a policy.

Description Updates a policy.

Privilege MONITORING_SETUP

HTTP response codes 201

Example request body

```
{
    "Id": 4114,
    "Name": "Policy Test 1",
    "Description": "Policy Test 1",
    "Enabled": true,
    "DefaultPolicy": false,
    "PolicyData": {
        "Catalogs": [
            {
                "CatalogName": "iDRAC",
                "Categories": [0],
                "SubCategories": [0]
            },
            {
                "CatalogName": "Application",
                "Categories": [0],
                "SubCategories": [0]
            }
        ],
        "Severities": [
            16, 1, 2, 4, 8
        ],
```

```
        "Devices": [1914],
        "Groups": [],
        "DeviceTypes": [1000],
        "Schedule": {
          "StartTime": "2016-06-06 15:02:46.000",
          "EndTime": "2017-06-06 15:02:46.000",
          "CronString": "* * * ? * * *"
        },
        "Actions": [
            {
                "TemplateId": 50,
                "Name": "Email",
                "ParameterDetails": [
                    {
                      "Name": "subject",
                      "Value": "Device Name: $name,  Device IP Address:
$ip,  Severity: $severity"
                    },
                    {
                      "Name": "to",
                      "Value": "test@dell.com"
                    },
                    {
                      "Name": "from",
                      "Value": "MCSIApplication@Dell.com"
                    },
                    {
                      "Name": "message",
                      "Value": "Event occurred for Device Name: $name,
Device IP Address: $ip,
                        Service Tag: $identifier,   Time: $time,   Severity:
$severity,   $message"
                    }
                ]
            }
        ]
    },
    "State": true
}
```

Example response body

```
{
  "Id": 4114,
  "Name": "Policy Test1",
  "Description": "Policy Test1",
  "Enabled": true,
  "DefaultPolicy": false,
  "Editable": true,
  "Visible": true,
  "PolicyData": {
    "Catalogs": [
      {
        "CatalogName": "iDRAC",
        "Categories": [
          0
        ],
        "SubCategories": [
          0
        ]
      },
      {
        "CatalogName": "Application",
        "Categories": [
          0
        ],
        "SubCategories": [
          0
        ]
      }
    ],
```

```
    "Severities": [
      16,
      1,
      2,
      4,
      8
    ],
    "Devices": [
      1914
    ],
    "DeviceTypes": [
      1000
    ],
    "Groups": [],
    "Schedule": {
      "StartTime": "2016-06-06 15:02:46.000",
      "EndTime": "2017-06-06 15:02:46.000",
      "CronString": "* * * ? * * *"
    },
    "Actions": [
      {
        "Id": 3,
        "Name": "Email",
        "ParameterDetails": [
          {
            "Name": "subject",
            "Value": "Device Name: $name,  Device IP Address: $ip,
Severity: $severity",
            "Type": "string",
            "TypeParams": [
              {
                "Name": "maxLength",
                "Value": "255"
              }
            ]
          },
          {
            "Name": "to",
            "Value": "test@dell.com",
            "Type": "string",
            "TypeParams": [
              {
                "Name": "maxLength",
                "Value": "255"
              }
            ]
          },
          {
            "Name": "from",
            "Value": "MCSIApplication@Dell.com",
            "Type": "string",
            "TypeParams": [
              {
                "Name": "maxLength",
                "Value": "255"
              }
            ]
          },
          {
            "Name": "message",
            "Value": "Event occurred for Device Name: $name,   Device IP
Address: $ip,
            Service Tag: $identifier,   Time: $time,   Severity:
$severity,   $message",
            "Type": "string",
            "TypeParams": [
              {
                "Name": "maxLength",
                "Value": "255"
              }
            ]
          }
```

```
            ],
            "TemplateId": 50
        }
      ]
    },
    "State": true
}
```

Table 65. Attributes

Attribute name	Description
ID	Event record ID.
Name	Name associated with the policy.
Description	Description associated with the policy.
Enabled	Indicates if the policy is enabled or disabled.
DefaultPolicy	Indicates if the policy is the default policy or pre-seeded.
State	State associated with the policy.
Visible	Indicate if the policy is visible or hidden.
PolicyData	
CatalogName	Name of the catalogs associated with the policy
Categories	Name of the categories associated with the policy. This is validated during policy evaluation.
SubCategories	Name of the subcategories associated with the policy. If defined, this field is validated during policy evaluation.
Severities	List of severities associated to the policy. This field is validated during policy evaluation.
Devices	List of devices associated to the policy. This field is validated during policy evaluation.
DevicesTypes	List of devices types associated to the policy.
Groups	List of groups associated to the policy. This field is validated during policy evaluation.
Schedule	
StartTime	Start event-time to verify. This value indicates the start date and time for policy validity. If defined. This field is validated during policy evaluation.
EndTime	End event-time to verify. This value indicates the end date and time for policy validity. If defined. This field is validated during policy evaluation.
CronString	CRON string associated to the policy. This field indicates a special CRON that can be applied to the policy to indicate values such as the days for which the policy is valid.
Actions	
Id	ID of action.
Name	Name associated with the action.
ParameterDetails	Extra parameters that can be used for the action.
TemplateId	ID of the template associated with the action.
PolicyActions	Link to the list of actions that can be triggered for the policy.

Table 65. Attributes (continued)

Attribute name	Description
PolicyCriteria	Link to the criteria for the evaluation of the alert contents with the policy contents. This evaluation determines if the policy is valid and if any actions are triggered.

/api/AlertService/AlertPolicies(Arg1)/PolicyCriteria

This URI represents the criteria used for matching the policy with incoming events. The criteria determine if the policy can trigger any actions.

Table 66. Filters

Attribute name	Description
Top	Top records to return. Default value is 100.
Skip	Maximum records to skip. Default value is 0.
Arg1	Filter by list of policies IDs. Default value is 0.
Id	Filter by list of criteria IDs. Default value is 0.
Type	Filter by list of criteria types ID. Default value is 0.
ComparisonType	Filer by list of comparison types IDs. Default value is 0.

GET method for PolicyCriteria

This method returns the criteria that are used for matching the policy with incoming events.

Description Returns the criteria used for matching the policy with incoming events.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AlertService.PolicyCriterion)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertPolicies(314)/PolicyCriteria(4)",
      "Id": 4,
      "PolicyId": 314,
      "Parameter": "",
      "Value": "(catalogName == 'iDRAC' AND categoryId==3300) AND
(severityType==1 OR
        severityType==2 OR severityType==4 OR severityType==8 OR
severityType==16)",
      "Type": 3,
      "TypeName": "EXPRESSION",
      "ComparisonType": 3,
      "ComparisonTypeName": "Equal"
    }
  ]
}
```

Table 67. Attributes

Attribute name	Description
Id	ID of the criteria.
PolicyId	ID of policy with which the criteria is associated.

Table 67. Attributes (continued)

Attribute name	Description
Parameter	Any extra parameter that can be used in the criteria.
Value	Expression that is used during policy evaluation with events.
Type	ID of the criteria type.
TypeName	Name of the criteria type.
ComparisonType	ID of comparison type.
ComparisonTypeName	Name of comparison type.

/api/AlertService/AlertPolicies(Arg1)/PolicyCriteria(Arg2)

This URI represents a specific criteria for a specific policy.

GET method for PolicyCriteria(Arg2)

This method returns a specific criteria for a specific policy.

Description	Returns a specific criteria for a specific policy
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#AlertService.PolicyCriterion/$entity",
  "@odata.id": "/api/AlertService/AlertPolicies(314)/PolicyCriteria(4)",
  "Id": 4,
  "PolicyId": 314,
  "Parameter": "",
  "Value": "(catalogName == 'iDRAC' AND categoryId==3300) AND
(severityType==1 OR severityType==2 OR severityType==4 OR severityType==8 OR
severityType==16)",
  "Type": 3,
  "TypeName": "EXPRESSION",
  "ComparisonType": 3,
  "ComparisonTypeName": "Equal"
}
```

Table 68. Attributes

Attribute name	Description
Id	ID of the criteria.
PolicyId	ID of policy with which the criteria is associated.
Parameter	Any extra parameter that can be used in the criteria.
Value	Expression that is used during policy evaluation with events.
Type	ID of the criteria type.
TypeName	Name of the criteria type.
ComparisonType	ID of comparison type.
ComparisonTypeName	Name of comparison type.

/api/AlertService/AlertPolicies(Arg1)/PolicyActions

This URI represents the actions associated with a policy.

Table 69. Filters

Attribute name	Description
Top	Top records to return. Default value is 100.
Skip	Maximum records to skip. Default value is 0.
Arg1	Filter by list of policies IDs. Default value is 0.
Id	Filter by list of action IDs. Default value is 0.
TemplateId	Filter by list of template IDs. Default value is 0.

GET method for PolicyActions

This method returns the actions that a policy can trigger.

Description Returns the actions that a policy can trigger.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AlertService.PolicyAction)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertPolicies(314)/PolicyActions(1)",
      "Id": 1,
      "PolicyId": 314,
      "Name": "OnDemandHealth",
      "Parameters": "",
      "TemplateId": 80,
      "Template": {
        "Id": 80,
        "Name": "OnDemandHealth",
        "Description": "OnDemandHealth",
        "Disabled": false,
        "ParameterDetails": []
      }
    }
  ]
}
```

Table 70. Attributes

Attribute name	Description
Id	ID of the criteria.
PolicyId	ID of the policy with which the action is associated.
Name	Name of the action.
Parameters	Extra parameter that can be added to the action.
TemplateId	ID of the action template associated with the action.
Template	
Id	ID of the template.
Name	Name of the template.

Table 70. Attributes (continued)

Attribute name	Description
Description	Additional description of the template.
Disabled	Indicates if template is enabled or disabled.
ParameterDetails	List of other parameter that the template can carry and apply.

/api/AlertService/AlertPolicies(Arg1)/PolicyActions(Arg2)

This URI represents a specific action associated with a specific policy.

GET method for PolicyActions(Arg2)

This method returns a specific action associated with a specific policy.

Description Returns details of a specific action that a policy can trigger.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#AlertService.PolicyAction/$entity",
  "@odata.id": "/api/AlertService/AlertPolicies(314)/PolicyActions(1)",
  "Id": 1,
  "PolicyId": 314,
  "Name": "OnDemandHealth",
  "Parameters": "",
  "TemplateId": 80,
  "Template": {
    "Id": 80,
    "Name": "OnDemandHealth",
    "Description": "OnDemandHealth",
    "Disabled": false,
    "ParameterDetails": []
  }
}
```

Table 71. Attributes

Attribute name	Description
Id	ID of the criteria.
PolicyId	ID of the policy with which the action is associated.
Name	Name of the action.
Parameters	Extra parameter that can be added to the action.
TemplateId	ID of the action template associated with the action.
Template	
Id	ID of the template.
Name	Name of the template.
Description	Extra description of the template.
Disabled	Indicates if template is enabled or disabled.
ParameterDetails	List of other parameter that the template can carry and apply.

/api/AlertService/AlertActionTemplates

This URI represents the alert-action templates.

GET method for AlertActionTemplates

This method returns the alert-action templates.

Description	
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#Collection(AlertService.AlertActionTemplate)",
  "@odata.count": 5,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertActionTemplates(50)",
      "Id": 50,
      "Name": "Email",
      "Description": "Email",
      "Disabled": true,
      "ParameterDetails": []
    },
    {
      "@odata.id": "/api/AlertService/AlertActionTemplates(60)",
      "Id": 60,
      "Name": "Trap",
      "Description": "Trap",
      "Disabled": true,
      "ParameterDetails": []
    },
    {
      "@odata.id": "/api/AlertService/AlertActionTemplates(90)",
      "Id": 90,
      "Name": "Syslog",
      "Description": "Syslog",
      "Disabled": true,
      "ParameterDetails": []
    },
    {
      "@odata.id": "/api/AlertService/AlertActionTemplates(80)",
      "Id": 80,
      "Name": "OnDemandHealth",
      "Description": "OnDemandHealth",
      "Disabled": false,
      "ParameterDetails": []
    },
    {
      "@odata.id": "/api/AlertService/AlertActionTemplates(100)",
      "Id": 100,
      "Name": "Ignore",
      "Description": "Ignore",
      "Disabled": false,
      "ParameterDetails": []
    }
  ]
}
```

Table 72. Attributes

Attribute name	Description
Id	ID of the action template.
Name	Name of the action template.

Table 72. Attributes (continued)

Attribute name	Description
Description	Description of the action template.
Disabled	Indicates if the template is enabled or disabled.
ParameterDetail	Extra parameter that the template can carry and apply.

/api/AlertService/AlertActionTemplates(Id)

This URI represents a specific alert-action template.

GET method for AlertActionTemplates(Id)

This method returns a specific alert-action template.

Description	Returns a specific alert-action template.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#AlertService.AlertActionTemplate/$entity",
  "@odata.id": "/api/AlertService/AlertActionTemplates(50)",
  "Id": 50,
  "Name": "Email",
  "Description": "Email",
  "Disabled": true,
  "ParameterDetails": []
}
```

Table 73. Attributes

Attribute name	Description
Id	ID of the action template.
Name	Name of the action template.
Description	Extra description of the action template.
Disabled	Indicates if the template is enabled or disabled.
ParameterDetails	Extra parameter that the template can carry and apply.

/api/AlertService/Actions/ AlertService.EnableAlertPolicies

POST method for AlertService.EnableAlertPolicies

This method enables the selected alert policies.

Description	Enables the selected alert policies.
Privilege	MONITORING_SETUP
HTTP response codes	201

Example request body

```
{
  "AlertPolicyIds": [100,200,300]
}

Or


{
  "AllPolicies": true
}
```

/api/AlertService/Actions/AlertService.DisableAlertPolicies

POST method for AlertService.DisableAlertPolicies

This method disables the selected alert policies.

Description	Disables the selected alert policies.
Privilege	MONITORING_SETUP
HTTP response codes	201

Example request body

```
Request:
{
  "AlertPolicyIds": [100,200,300]
}

Or

InRequestput:
{
  "AllPolicies": true
}
```

/api/AlertService/Actions/AlertService.RemoveAlertPolicies

POST method for AlertService.RemoveAlertPolicies

This method removes the selected set of alert policies or all the alert policies.

Description	Removes the selected alerts policies.
Privilege	MONITORING_SETUP
HTTP response codes	201

Example request body

```
{
  "AlertPolicyIds": [100,200,300]
}

Or
```

```
{
     "AllPolicies": true
}
```

Alert definitions

/api/AlertService/AlertMessageDefinitions

This URI represents the definitions for the alert messages.

Table 74. Filters

Filter name	Description
Top	Top records to return. Default value is 100.
Skip	Maximum records to skip. Default value is 0.
MessageId	Filter by message ID.
Category	Filter by event ID.
SubCategory	Filter by subcategory.
Message	Filter by message.
Severity	Filter by severity.

GET method for AlertMessageDefinitions

This method returns the definitions for all alert messages.

Description Returns the definitions for all alert messages.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context":
"$metadata#Collection(AlertService.AlertMessageDefinition)",
  "@odata.count": 3,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertMessageDefinitions('RAC9000')",
      "MessageId": "RAC9000",
      "Prefix": "RAC",
      "SequenceNo": 9000,
      "Message": "Device has become non compliant.",
      "RecommendedAction": "No response action is required.",
      "Severity": "Critical",
      "Category": "Configuration",
      "SubCategory": null,
      "DetailedDescription": "A device has become non compliant."
    },
    {
      "@odata.id": "/api/AlertService/AlertMessageDefinitions('LOG9000')",
      "MessageId": "LOG9000",
      "Prefix": "LOG",
      "SequenceNo": 9000,
```

```
      "Message": "Event definition not found for Event.",
      "RecommendedAction": "No response action is required.",
      "Severity": "Informational",
      "Category": "Configuration",
      "SubCategory": null,
      "DetailedDescription": "An unknwon event was received from a device."
    }
}
```

Table 75. Attributes

Attribute	Description
MessageId	ID of message definition.
Prefix	A 3-letter prefix of the message.
SequenceNo	Sequence number of the message.
Message	Message indicating the issue.
RecommendedAction	Recommended action for the message.
Severity	Type of severity.
Category	Category associated to the message.
SubCategory	Subcategory associated with the message.
DetailedDescription	Detailed description of the issue.

/api/AlertService/AlertMessageDefinitions(Id)

This URI represents a specific message definition.

GET method for AlertMessageDefinitions(Id)

This method returns the details of a specific message definition.

Description Returns the definitions of a specific message.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#AlertService.AlertMessageDefinition/$entity",
  "@odata.id": "/api/AlertService/AlertMessageDefinitions('RAC0600')",
  "MessageId": "RAC0600",
  "Prefix": "RAC",
  "SequenceNo": 600,
  "Message": "Unable to retrieve the temperature information.",
  "RecommendedAction": "Power on the server. If the server is already
powered on, wait for a few minutes and refresh the page. If the problem
persists, contact service provider.",
  "Severity": "Warning",
  "Category": "Configuration",
  "SubCategory": null,
  "DetailedDescription": ""
}
```

Table 76. Attributes

Attribute	Description
MessageId	ID of message definition.

Table 76. Attributes (continued)

Attribute	Description
Prefix	A 3-letter prefix of the message.
SequenceNo	Sequence number of the message.
Message	Message indicating the issue.
RecommendedAction	Recommended action for the message.
Severity	Type of severity.
Category	Category associated to the message.
SubCategory	Subcategory associated with the message.
DetailedDescription	Detailed description of the issue.

/api/AlertService/AlertMessageDefinitionsCategories

This URI represents the alert definition categories.

GET method for AlertMessageDefinitionsCategories

This method returns the list of alert definition categories.

Description Returns the alert definition categories.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "/api/
$metadata#Collection(AlertService.AlertMessageDefinitionCategory)",
  "@odata.count": 6,
  "value":
  [
    {"@odata.type": "#AlertService.AlertMessageDefinitionCategory",
"@odata.id": "/api/AlertService/AlertMessageDefinitionsCategories('Audit')",
…},
    {"@odata.type": "#AlertService.AlertMessageDefinitionCategory",
"@odata.id": "/api/AlertService/
AlertMessageDefinitionsCategories('Configuration')",…},
    {"@odata.type": "#AlertService.AlertMessageDefinitionCategory",
"@odata.id": "/api/AlertService/
AlertMessageDefinitionsCategories('Storage')",…},
    {"@odata.type": "#AlertService.AlertMessageDefinitionCategory",
"@odata.id": "/api/AlertService/AlertMessageDefinitionsCategories('System
%20Health')",…},
    {"@odata.type": "#AlertService.AlertMessageDefinitionCategory",
"@odata.id": "/api/AlertService/
AlertMessageDefinitionsCategories('Updates')",…},
    {"@odata.type": "#AlertService.AlertMessageDefinitionCategory",
"@odata.id": "/api/AlertService/AlertMessageDefinitionsCategories('Work
%20Notes')",…}
  ]
}
```

/api/AlertService/AlertMessageDefinitionsCategories('Name')

This URI represents a specific alert definition category.

GET method for AlertMessageDefinitionsCategories('Name')

This method returns the details of a specific alert definition category.

Description	Returns the details of a specific alert definition category.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
    "@odata.context": "/api/
$metadata#AlertService.AlertMessageDefinitionCategory/$entity",
    "@odata.type": "#AlertService.AlertMessageDefinitionCategory",
    "@odata.id": "/api/AlertService/
AlertMessageDefinitionsCategories('Audit')",
    "Category": "Audit",
    "SubCategoriesDetails": [
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Debug"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Devices"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Fabric"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Fan Event"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Feature Card"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Group Manager"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Hardware Config"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "iDRAC Service Module"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Interface"
```

```
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "IP Address"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Job Control"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Licensing"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Lifecycle Controller"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Link"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Log Event"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Management Module"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Memory"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Node"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "PCI Device"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Power Supply"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Power Usage"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Power Usage POW"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "RAC Event"
        },
        {
```

```
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Redundancy"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Server"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Software Change"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Software Config"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Support Assist"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "System Info"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Temperature"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "UEFI Event"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "User Tracking"
        },
        {
            "@odata.type":
"#AlertService.AlertMessageDefinitionSubCategories",
            "SubCategory": "Virtual Media"
        }
    ]
}
```

6

Configure

Topics:

- Firmware
- Template Service
- Identity pools
- Network Configuration Service

Firmware

/api/UpdateService/Catalogs

This URI represents the catalogs in the appliance.

GET method for Catalogs

This method returns the catalogs that are created in the appliance.

Description	Returns the list of catalogs.
Privilege	VIEW
HTTP response codes	200

Example request body


```
{
  "@odata.context": "/api/$metadata#Collection(UpdateService.Catalogs)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.type": "#UpdateService.Catalogs",
      "@odata.id": "/api/UpdateService/Catalogs(22)",
      "Id": 22,
      "Filename": "catalog.xml",
      "SourcePath": "catalog/catalog.gz",
      "Status": "Completed",
      "TaskId": 27539,
      "BaseLocation": "ftp.dell.com",
      "ManifestIdentifier": "26920c45-0742-44cd-a2c6-c2f2d2df4037",
      "ReleaseIdentifier": "NH6TJ",
      "ManifestVersion": "18.07.02",
      "ReleaseDate": "2018-07-17 10:10:32.000",
      "LastUpdated": "2018-08-08 18:20:22.981",
      "BundlesCount": 230,
      "PredecessorIdentifier": "a05daa5b-7b98-413c-9000-5806cf1d836a",
      "AssociatedBaselines":
      [
        {
          "BaselineId": 10,
          "BaselineName": "No ID"
        },
        {
          "BaselineId": 9,
          "BaselineName": "Single"
        },
```

```
        {
          "BaselineId": 11,
          "BaselineName": "500"
        },
        {
          "BaselineId": 6,
          "BaselineName": "Test"
        },
        {
          "BaselineId": 7,
          "BaselineName": "Test 100"
        },
        {
          "BaselineId": 8,
          "BaselineName": "Test 2500+"
        }
      ],
      "Repository":
        {
          "@odata.type": "#UpdateService.Repository",
          "Id": 12,
          "Name": "Dell",
          "Description": "",
          "Source": "downloads.dell.com",
          "DomainName": null,
          "Username": null,
          "Password": null,
          "CheckCertificate": false,
          "RepositoryType": "DELL_ONLINE"
        }
    }
  ]
}
```

Example request body

Scheduled catalog download

```
{
  "Id": 0,
  "Filename": "",
  "SourcePath": "",
  "Schedule": {
    "Cron": "0 0 5 ? * wed *",
    "StartTime": "2020-06-12T14:32:08.447Z"
  },
  "Repository": {
    "Id": 0,
    "Name": "test",
    "Description": "",
    "Source": "downloads.dell.com",
    "DomainName": "",
    "Username": "",
    "Password": "",
    "RepositoryType": "DELL_ONLINE"
  }
}
```

Table 77. Attributes

Attribute	Description
Filename	File name of the catalog.
Schedule	Specifies the start time when the catalog will be downloaded.
Cron	Indicates whether the catalog must be downloaded daily, weekly, or at a specific time.
SourcePath	Relative path of the catalog file from the repository (for example: downloads.dell.com/catalog/catalog.gz)

Table 77. Attributes (continued)

Attribute	Description
Status	Status of creating the catalog.
TaskId	The identifier of the task or job that is created to download the catalog.
BaseLocation	The repository location for the catalog (for example for online catalogs, the location is downloads.dell.com)
ManifestIdentifier	Catalog manifest identifier *.
ReleaseIdentifier	Catalog release identifier *.
ManifestVersion	Catalog manifest version *.
ReleaseDate	Catalog release date *.
LastUpdated	Date time when the catalog instance was updated in the appliance.
BundlesCount	Number of bundles referenced in the catalog.
PredecessorIdentifier	Identifier for the catalog version that was published before the current catalog.
AssociatedBaselines:	The baselines that are associated with the catalog. This is an array.
BaselineId	Identifier of a baseline associated with the catalog.
BaselineName	Name of a baseline associated with the catalog.
Name	Name of the repository.
Description	User provided description for the repository.
Source	URL or location of the repository.
DomainName	Domain for the user credentials (CIFS only).
Username	Username to access the share containing the catalog (CIFS / HTTPS).
Password	Password to access the share containing the catalog (CIFS / HTTPS).
CheckCertificate	Whether certificate checking is enabled for the HTTPS repository.
RepositoryType	NFS / CIFS / HTTP / HTTPS/DELL_ONLINE

POST method for Catalogs

This method creates a catalog.

Description Creates a catalog.

Privilege BASELINE_MANAGEMENT

HTTP response codes 201

Example request body

```
{
  "Filename":"catalog.xml",
  "SourcePath":"install_packages/Packages",
  "Repository":
    {
      "Name":"HTTPS-again",
      "Description":"HTTPS Desc",
      "RepositoryType":"HTTPS",
      "Source":"10.255.2.128:2607",
```

```
      "DomainName":"",
      "Username":"",
      "Password":"",
      "CheckCertificate":false
    }
}
```

/api/UpdateService/Catalogs(Id)

This URI represents a specific catalog.

GET method for Catalogs(Id)

This method returns the details of a specific catalog.

Description	Returns the details of a specific catalog.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#UpdateService.Catalogs/$entity",
  "@odata.type": "#UpdateService.Catalogs",
  "@odata.id": "/api/UpdateService/Catalogs(28)",
  "Id": 28,
  "Filename": "CatalogA00.xml",
  "SourcePath": "cifs/compute",
  "Status": "Completed",
  "TaskId": 26960,
  "BaseLocation": "",
  "ManifestIdentifier": "",
  "ReleaseIdentifier": "8217fadb-ec37-46a4-b7ba-56a353dbf3d2",
  "ManifestVersion": null,
  "ReleaseDate": "2018-05-21 05:33:25.000",
  "LastUpdated": "2018-09-10 03:26:51.362",
  "BundlesCount": 3,
  "PredecessorIdentifier": "",
  "AssociatedBaselines":
  [
    {
      "BaselineId": 12,
      "BaselineName": "cifs1"
    }
  ],
  "Repository":
  {
    "@odata.type": "#UpdateService.Repository",
    "Id": 18,
    "Name": "cifs1",
    "Description": "",
    "Source": "2607:f2b1:f082:5::b1a",
    "DomainName": "",
    "Username": "administrator",
    "Password": null,
    "CheckCertificate": false,
    "RepositoryType": "CIFS"
  }
}
```

PUT method for Catalogs(Id)

This method updates the catalog details.

Description	Updates details of a specific catalog.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#UpdateService.Catalogs/$entity",
  "@odata.type": "#UpdateService.Catalogs",
  "@odata.id": "/api/UpdateService/Catalogs(28)",
  "Id": 28,
  "Filename": "CatalogA00.xml",
  "SourcePath": "cifs/compute",
  "Status": "Completed",
  "TaskId": 26960,
  "BaseLocation": "",
  "ManifestIdentifier": "",
  "ReleaseIdentifier": "8217fadb-ec37-46a4-b7ba-56a353dbf3d2",
  "ManifestVersion": null,
  "ReleaseDate": "2018-05-21 05:33:25.000",
  "LastUpdated": "2018-09-10 03:26:51.362",
  "BundlesCount": 3,
  "PredecessorIdentifier": "",
  "AssociatedBaselines":
  [
    {
      "BaselineId": 12,
      "BaselineName": "cifs1"
    }
  ],
  "Repository":
  {
    "@odata.type": "#UpdateService.Repository",
    "Id": 18,
    "Name": "cifs1",
    "Description": "",
    "Source": "2607:f2b1:f082:5::b1a",
    "DomainName": "",
    "Username": "administrator",
    "Password": null,
    "CheckCertificate": false,
    "RepositoryType": "CIFS"
  }
}
```


api/UpdateService/Baselines

This URI represents the baselines.

GET method for Baselines

This method returns the baselines.

Description	Returns the baselines.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#Collection(UpdateService.Baselines)",
```

```
  "@odata.count": 6,
  "value":
  [
    {
      "@odata.type": "#UpdateService.Baselines",
      "@odata.id": "/api/UpdateService/Baselines(8)",
      "Id": 8,
      "Name": "Test 2500+",
      "Description": "",
      "CatalogId": 22,
      "RepositoryId": 12,
      "TaskId": 27734,
      "RepositoryName": "Dell",
      "RepositoryType": "DELL_ONLINE",
      "LastRun": "2018-08-08 21:22:36.858",
      "DowngradeEnabled": true,
      "Is64Bit": true,
      "Targets":
      [
        {
          "Id": 1010,
          "Type":
            {
              "Id": 6000,
              "Name": "GROUP"
            }
        }
      ],
      "ComplianceSummary":
        {
          "ComplianceStatus": "CRITICAL",
          "NumberOfCritical": 7761,
          "NumberOfWarning": 1,
          "NumberOfNormal": 12,
          "NumberOfDowngrade": 1
        },
      "DeviceComplianceReports@odata.navigationLink": "/api/UpdateService/
Baselines(8)/DeviceComplianceReports"
    }
  ]
}
```


Table 78. Attributes

Attribute	Description
Name	Name of the Baseline.
Description	Description of the Baseline.
CatalogId	ID of the catalog.
RepositoryId	ID of the repository.
TaskId	Identifier of task which created this baseline.
RepositoryName	Repository name.
RepositoryType	Repository type.
DowngradeEnabled	Field to indicate if downgrade is possible.
Is64Bit	Always set to "true".
Target Id	Identifier of device or group that this baseline targets.
Type Id	Device Type ID.
Name	DeviceType derived "Name".
ComplianceStatus	Indicates if the upgrade is critical.

Table 78. Attributes (continued)

Attribute	Description
NumberOfCritical	Number of critical devices.
NumberOfWarning	Number of warning devices.
NumberOfNormal	Number of normal devices.
NumberOfDowngrade	Number of downgrade devices.
Link to Device compliance Report	Gives the link to the device compliance report.

POST method for Baselines

This method creates a baseline.

Description Creates a baseline.

Privilege BASELINE_MANAGEMENT

HTTP response codes 201

Example request body

```
{
            "Name": "HTTP",
            "Description": "HTTP",
            "CatalogId": 22,
            "RepositoryId": 12,
            "RepositoryName": "HTTP",
            "RepositoryType": "HTTP",
            "DowngradeEnabled": true,
            "Is64Bit": true,
            "Targets": [
                {
                    "Id": 500,
                    "Type": {
                        "Id": 6000,
                        "Name": "GROUP"
                    }
                }
            ]
}


        {
            "Name": "HTTP1",
            "Description": "HTTP1",
            "CatalogId": 22,
            "RepositoryId": 12,
            "RepositoryName": "HTTP",
            "RepositoryType": "HTTP",
            "DowngradeEnabled": true,
            "Is64Bit": true,
            "Targets": [
                {
                    "Id": 25015,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25016,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
```

```
                    "Id": 25017,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25019,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25021,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25022,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25023,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25032,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25033,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25035,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                },
                {
                    "Id": 25038,
                    "Type": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                }
            ]
        }
    ]
}
```

Table 79. Attributes

Attribute	Description
Name	Name of the Baseline
Description	Description of the Baseline
CatalogId	ID of the catalog - The user needs to enumerate all catalogs and match the "Name" of the repository with the input provided at creation time
RepositoryId	ID of the repository - Derived from the catalog response
DowngradeEnabled	If the firmware can be downgraded
Is64Bit	This should always be set to true - The DUP files used are 64 bit DUPs only.
Targets Id	DeviceID of the device (if the baseline is being created for devices) or GroupID of the group (if the baseline is being created for a group of devices). You can determine the DeviceIDs through `/api/DeviceService/Devices`. You can determine GroupIDs through `/api/GroupService/Groups`.
Type Id	ID for the device type. You can determine the DeviceType IDs can be determined through `/api/DeviceService/DeviceType`
Name	Type of the target (DEVICE or GROUP).

api/UpdateService/Baselines(Id)

This URI represents a specific baseline.

GET method for Baselines(Id)

This method returns the details of a specific baseline.

Description Returns details of a specific baseline.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
    "@odata.context": "/api/$metadata#UpdateService.Baselines/$entity",
    "@odata.type": "#UpdateService.Baselines",
    "@odata.id": "/api/UpdateService/Baselines(8)",
    "Id": 8,
    "Name": "https",
    "Description": "https",
    "CatalogId": 24,
    "RepositoryId": 14,
    "TaskId": 25790,
    "RepositoryName": "https",
    "RepositoryType": "HTTPS",
    "LastRun": "2018-09-10 04:46:56.632",
    "DowngradeEnabled": true,
    "Is64Bit": true,
    "Targets": [
        {
            "Id": 25025,
            "Type": {
```

```
                "Id": 1000,
                "Name": "DEVICE"
            }
        },
        {
            "Id": 25028,
            "Type": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        },
        {
            "Id": 25029,
            "Type": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        },
        {
            "Id": 25030,
            "Type": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        },
        {
            "Id": 25031,
            "Type": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        },
        {
            "Id": 25033,
            "Type": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        },
        {
            "Id": 25035,
            "Type": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        },
        {
            "Id": 25580,
            "Type": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        },
        {
            "Id": 25585,
            "Type": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        }
    ],
    "ComplianceSummary": {
        "ComplianceStatus": "OK",
        "NumberOfCritical": 0,
        "NumberOfWarning": 0,
        "NumberOfNormal": 9,
        "NumberOfDowngrade": 0
    },
    "DeviceComplianceReports@odata.navigationLink": "/api/UpdateService/
Baselines(8)/DeviceComplianceReports"
}
```

PUT method for Baselines(Id)

This method updates the baseline details.

Description	Returns the baseline details.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#Collection(UpdateService.Baselines)",
  "@odata.count": 6,
  "value":
  [
    {
      "@odata.type": "#UpdateService.Baselines",
      "@odata.id": "/api/UpdateService/Baselines(8)",
      "Id": 8,
      "Name": "Test 2500+",
      "Description": "",
      "CatalogId": 22,
      "RepositoryId": 12,
      "TaskId": 27734,
      "RepositoryName": "Dell",
      "RepositoryType": "DELL_ONLINE",
      "LastRun": "2018-08-08 21:22:36.858",
      "DowngradeEnabled": true,
      "Is64Bit": true,
      "Targets":
      [
        {
          "Id": 1010,
          "Type":
            {
              "Id": 6000,
              "Name": "GROUP"
            }
        }
      ],
      "ComplianceSummary":
        {
          "ComplianceStatus": "CRITICAL",
          "NumberOfCritical": 7761,
          "NumberOfWarning": 1,
          "NumberOfNormal": 12,
          "NumberOfDowngrade": 1
        },
      "DeviceComplianceReports@odata.navigationLink": "/api/UpdateService/
Baselines(8)/DeviceComplianceReports"
    }
  ]
}
```


/api/UpdateService/Actions/ UpdateService.GetBaselinesForDevices

This API represents the firmware compliance baselines for specific devices.

POST method for /api/UpdateService/Actions/ UpdateService.GetBaselinesForDevices

This method returns the firmware compliance baseline information for specific devices.

Description	Returns the firmware compliance for specific devices.

Privilege	VIEW
HTTP response codes	200

Example response body	<pre>{
	"DeviceIds": [10229]
	}</pre>

api/UpdateService/FirmwareBaselineSummary

This API represents the firmware baseline information.

GET method for baseline summary

This API returns the total number of baselines that meet a specific compliance status.

Description	Returns the total number of baselines that meet a specific compliance status.
Privilege	VIEW
HTTP response code	200

Example response body	<pre>{
	"@odata.context": "/api/$metadata#Collection(UpdateService.SummaryCount)",
	"@odata.count": 1,
	"value":[
	{
	"@odata.type": "#UpdateService.SummaryCount",
	"Id": 4,
	"Count": 1
	}
	]
	}</pre>

/api/UpdateService/Actions/ UpdateService.CheckBaselinesAssociation

This API represents baseline association information.

Post method for checking baseline association

This method returns information about baseline associations.

Description	Returns information about baseline associations.
Privilege	VIEW
HTTP response code	201

Example request body	<pre>{
	“Ids”: [<Catalog Ids comma separated>]
	}</pre>

/api/UpdateService/ComplianceStatuses

This UR returns compliance status information.

GET method for /api/UpdateService/ComplianceStatuses

This method returns the compliance statuses.

Description	Returns compliance statuses.
Privilege	
HTTP response code	200
Example response body	

```
{
"@odata.context": "/api/
$metadata#Collection(UpdateService.ComplianceStatus)",
"@odata.count": 4,
"value":[
{
"@odata.type": "#UpdateService.ComplianceStatus",
"@odata.id": "/api/UpdateService/ComplianceStatuses(1)",
"StatusId": 1,
"StatusName": "OK"
},
{
"@odata.type": "#UpdateService.ComplianceStatus",
"@odata.id": "/api/UpdateService/ComplianceStatuses(2)",
"StatusId": 2,
"StatusName": "DOWNGRADE"
},
{
"@odata.type": "#UpdateService.ComplianceStatus",
"@odata.id": "/api/UpdateService/ComplianceStatuses(3)",
"StatusId": 3,
"StatusName": "WARNING"
},
{
"@odata.type": "#UpdateService.ComplianceStatus",
"@odata.id": "/api/UpdateService/ComplianceStatuses(4)",
"StatusId": 4,
"StatusName": "CRITICAL"
}
]
}
```

/api/UpdateService/Baselines(Id)/DeviceComplianceReports

This URI represents the compliance reports for baselines.

GET method for DeviceComplianceReports

This method returns the compliance report for a specific baseline.

Description	Returns the compliance report for a baseline. The compliance report includes the URIs, `/api/UpdateService/Baselines(Id)/DeviceComplianceReports(Id)/ComponentComplianceReports` and `/api/UpdateService/Baselines(Id)/DeviceComplianceReports(Id)/ComponentComplianceReports(Id)`, by default.
Privilege	VIEW
HTTP response codes	200

Example

```
Request:

Response:
{
  "@odata.context": "/api/
$metadata#Collection(UpdateService.DeviceComplianceReport)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.type": "#UpdateService.DeviceComplianceReport",
      "@odata.id": "/api/UpdateService/Baselines(9)/
DeviceComplianceReports(9523)",
      "Id": 9523,
      "DeviceId": 25031,
      "ServiceTag": "JP00002",
      "DeviceModel": "PowerEdge MX740c",
      "DeviceTypeName": "SERVER",
      "DeviceName": "iDRAC-JP00002",
      "FirmwareStatus": "Compliant",
      "ComplianceStatus": "OK",
      "DeviceTypeId": 1000,
      "RebootRequired": false,
      "ComponentComplianceReports@odata.navigationLink": "/api/UpdateService/
Baselines(9)/DeviceComplianceReports(9523)/ComponentComplianceReports"
    }
  ]
}
```

Table 80. Attributes

Attribute	Description
DeviceId	Identifier for the device in the appliance.
ServiceTag	Service Tag of the device.
DeviceModel	Model of the device.
DeviceTypename	Type of device, such as server or chassis.
DeviceName	Name of the device.
FirmwareStatus	Shows if firmware is compliant or not.
ComplianceStatus	Shows the compliance status.
DeviceTypeId	Numeric value for the device type such as server(1000).
RebootRequired	Indicates if a reboot is required to make the device compliant.
Link	Link to the component compliance report, identifying the software components on the device and if they match up against the catalog.

/api/UpdateService/Baselines(Id)/DeviceComplianceReports(Id)

This URI represents a specific compliance report for a baseline.

GET method for DeviceComplianceReports(Id)

This method returns the details of a specific compliance report for a baseline.

Description Returns the details of a specific compliance report.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
"@odata.context": "/api/
$metadata#Collection(UpdateService.DeviceComplianceReport)",
"@odata.count": 1,
"value":[
{
"@odata.type": "#UpdateService.DeviceComplianceReport",
"@odata.id": "/api/UpdateService/Baselines(6)/DeviceComplianceReports(1)",
"Id": 1,
"DeviceId": 10069,
"ServiceTag": "7BU0772",
"DeviceModel": "PowerEdge MX7000",
"DeviceTypeName": "CHASSIS",
"DeviceName": "MX-7BU0772",
"FirmwareStatus": "Compliant",
"ComplianceStatus": "OK",
"DeviceTypeId": 2000,
"RebootRequired": true,
"DeviceFirmwareUpdateCapable": true,
"DeviceUserFirmwareUpdateCapable": true,
"ComponentComplianceReports":[
{
"@odata.type": "#UpdateService.ComponentComplianceReport",
"Id": 3,
"Version": "1.0.9.6",
"CurrentVersion": "1.0.9.6",
"Path": "MX7000_SAS-RAID_Firmware_1P5FG_WN64_1.0.9.6_A00_02.EXE",
"Name": "SAS IOM",
"Criticality": "Recommended",
"UniqueIdentifier": "ff1eb9e7-3879-407e-a620-0886445df1bd",
"TargetIdentifier": "106546",
"UpdateAction": "EQUAL",
"SourceName": "SAS.IOM.C2",
"PrerequisiteInfo": "",
"ImpactAssessment": "",
"Uri": "http://www.dell.com/support/home/us/en/19/Drivers/DriversDetails?
driverId=ff1eb",
"RebootRequired": true,
"ComplianceStatus": "OK",
"ComplianceDependencies":[]
},
{"@odata.type": "#UpdateService.ComponentComplianceReport", "Id": 2,
"Version": "1.0.9.6", "CurrentVersion": "1.0.9.6",…},
{"@odata.type": "#UpdateService.ComponentComplianceReport", "Id": 5,
"Version": "1.10.00", "CurrentVersion": "1.10.00",…},
{"@odata.type": "#UpdateService.ComponentComplianceReport", "Id": 1,
"Version": "1.10.00", "CurrentVersion": "1.10.00",…},
{"@odata.type": "#UpdateService.ComponentComplianceReport", "Id": 4,
"Version": "2.40", "CurrentVersion": "2.40",…}
]
}
]
}
```


/api/UpdateService/Actions/UpdateService.UploadFile

POST method for UploadFile

This method uploads a file to the specified location.

Description Uploads a file.

Privilege DEVICE_UPDATE

HTTP response codes	200

Example request body	`Header: Content-Type: application/octet-stream`
	
	`Request:`

Example response body	`A numeric token ID is returned.`

/api/UpdateService/Actions/UpdateService.RemoveFile

POST method for RemoveFile

This method removes a file from the system.

Description	Removes a file identified by the numeric token ID.
Privilege	DEVICE_UPDATE
HTTP response codes	200

Example request body	`{`
	`"FileToken": "1481131455800"`
	`}`

/api/UpdateService/Actions/UpdateService.RefreshCatalogs

This API refreshes catalog information.

POST method for /api/UpdateService/Actions/UpdateService.RefreshCatalogs

This method refreshes catalogs by checking for and downloading newer versions.

Description	Refreshes catalogs by checking for and downloading newer versions of catalogs.
Privilege	VIEW
HTTP response codes	200

Example response body	`{`
	`"CatalogIds": [22],`
	`"AllCatalogs": false`
	`}`

/api/UpdateService/Actions/UpdateService.RemoveCatalogs

POST method for RemoveCatalogs

This method deletes catalogs.

Description	Deletes a catalog.
Privilege	BASELINE_MANAGEMENT
HTTP response codes	204
Example request body	`{ "CatalogIds":["12"] }`

/api/UpdateService/Actions/UpdateService.RemoveBaselines

POST method for RemoveBaselines

This method deletes baselines.

Description	Deletes baselines.
Privilege	BASELINE_MANAGEMENT
HTTP response codes	204
Example request body	`{ "BaselineIds":[13] }`

/api/UpdateService/RollbackSsoftwares

This URI returns software rollback information.

GET method for rollback software

This method returns the software rollback information.

Description	Returns the software rollback information.
Privilege	
HTTP response code	200
Example response body	`/api/UpdateService/RollbackSoftwares?$filter=DeviceId eq <device id>`

```
{
    "@odata.context": "/api/
```

```
$metadata#Collection(UpdateService.RollbackSoftwares)",
    "@odata.count": 1,
    "value": [
        {
            "@odata.type": "#UpdateService.RollbackSoftwares",
            "@odata.id": "/api/UpdateService/RollbackSoftwares(1)",
            "Id": 1,
            "InstanceId": "DCIM:PREVIOUS#741__BIOS.Setup.1-1",
            "DeviceId": 10143,
            "RollbackVersion": "1.0.2",
            "CurrentVersion": "1.6.13",
            "InstallationDate": "2018-10-18T20:26:39Z",
            "SoftwareType": "BIOS",
            "VendorId": null,
            "SubDeviceId": null,
            "SubVendorId": null,
            "ComponentId": "159",
            "PCIDeviceId": null,
            "DeviceDescription": "BIOS",
            "CatalogId": 26,
            "RollbackSource": "Device"
        }
    ]
}
```


/api/UpdateService/Actions/UpdateService.GetSingleDupDetails

POST method for GetSingleDupDetails

This method returns the details of a specific Dell Update Package (DUP).

Description	Returns the details of a specific DUP.
Privilege	DEVICE_UPDATE
HTTP response codes	200

Example request body


```
{
  "FileToken": "1481131455800"
}
```


Example response body


```
{
  "Date": "2016-01-12 02:37:36.000",
  "VendorVersion": "1.4.3",
  "SchemaVersion": "1.0",
  "ReleaseDate": "2016-01-11 00:00:00.000",
  "ReleaseId": "G1JD51.4.3",
  "PackageId": "G1JD5X03-00",
  "XmlGenVersion": "1.0.3681",
  "DellVersion": "1.4.3",
  "PackageType": "LW64",
  "RequiresReboot": true
}
```

/api/UpdateService/Actions/UpdateService.GetSingleDupReport

POST method for GetSingleDupReport

This method returns the report of a Dell Update Package (DUP).

Description	Returns the report of a DUP.
Privilege	DEVICE_UPDATE
HTTP response codes	200

Example request body

```
{
  "SingleUpdateReportFileToken": "1481131455800",
  "SingleUpdateReportTargets": [1600,1601,1602,1603] ---OR---
  "SingleUpdateReportBaseline": [1700] ---OR---
  "SingleUpdateReportGroup": [1700] ---OR---
}

Response:
```

Example response body

```
[
  {
    "DeviceId": 1674,
    "DeviceReport":
    {
      "ComponentUpdateAction": "UPGRADE",
      "DeviceTypeId": "1000",
      "ComponentCurrentVersion": "2.10.10.10",
      "ComponentUriInformation": null,
      "DeviceTypeName": "SERVER",
      "ComponentVersion": "2.30.30.30",
      "ComponentCriticality": "Recommended",
      "DeviceId": "1674",
      "DeviceServiceTag": "JS8BDV1",
      "IsCompliant": "CRITICAL",
      "ComponentTargetIdentifier": "25227",
      "ComponentSourceName": "DCIM:INSTALLED#iDRAC.Embedded.1-1#IDRACinfo",
      "ComponentRebootRequired": "false",
      "ComponentUniqueIdentifier": "JHF76X50-00LW64",
      "DeviceModel": "PowerEdge M620",
      "ComponentName": "IDRAC @ Lifecycle Controller V.,2.30.30.30, A00"
    }
  },
  {
    "DeviceId": 1662,
    "DeviceReport":
    {
      "ComponentUpdateAction": "UPGRADE",
      "DeviceTypeId": "1000",
      "ComponentCurrentVersion": "2.21.21.21",
      "ComponentUriInformation": null,
      "DeviceTypeName": "SERVER",
      "ComponentVersion": "2.30.30.30",
      "ComponentCriticality": "Recommended",
      "DeviceId": "1662",
      "DeviceServiceTag": "9PKM9Z1",
      "IsCompliant": "CRITICAL",
      "ComponentTargetIdentifier": "25227",
      "ComponentSourceName": "DCIM:INSTALLED#iDRAC.Embedded.1-1#IDRACinfo",
      "ComponentRebootRequired": "false",
      "ComponentUniqueIdentifier": "JHF76X50-00LW64",
      "DeviceModel": "PowerEdge M620",
      "ComponentName": "IDRAC @ Lifecycle Controller V.,2.30.30.30, A00"
```

```
    }
  },
  {
    "DeviceId": 1682,
    "DeviceReport":
    {
      "ComponentUpdateAction": "UPGRADE",
      "DeviceTypeId": "1000",
      "ComponentCurrentVersion": "1.57.57",
      "ComponentUriInformation": null,
      "DeviceTypeName": "SERVER",
      "ComponentVersion": "2.30.30.30",
      "ComponentCriticality": "Recommended",
      "DeviceId": "1682",
      "DeviceServiceTag": "7T2W1V1",
      "IsCompliant": "CRITICAL",
      "ComponentTargetIdentifier": "25227",
      "ComponentSourceName": "DCIM:INSTALLED#iDRAC.Embedded.1-1#IDRACinfo",
      "ComponentRebootRequired": "false",
      "ComponentUniqueIdentifier": "JHF76X50-00LW64",
      "DeviceModel": "PowerEdge T320",
      "ComponentName": "IDRAC @ Lifecycle Controller V.,2.30.30.30, A00"
    }
  }
]
```


/api/UpdateService/Actions/UpdateService.GetBaselinesReportByDeviceids

POST method for GetBaselinesReportByDeviceids

This method returns the baseline report for specific device IDs.

Description	Returns the baseline report for specific device IDs.
Privilege	BASELINE_MANAGEMENT
HTTP response codes	200

Example request body


```
{
  "Ids":["Device ID"]
}
```


Example response body


```
[
  {
    "Id": 6,
    "Name": "Baseline1",
    "Description": "",
    "LastRun": "2021-09-14 20:34:18.767",
    "CatalogId": 22,
    "RepositoryId": 12,
    "RepositoryName": "CIFS",
    "RepositoryType": "CIFS",
    "DowngradeEnabled": true,
    "Is64Bit": false,
    "TaskId": 25203,
    "ComplianceSummary":
    {
      "ComplianceStatus": "CRITICAL",
      "NumberOfCritical": 4,
      "NumberOfWarning": 0,
```

```
      "NumberOfNormal": 3,
      "NumberOfDowngrade": 0
    },
    "Targets":
    [
      {
        "Id": 25019,
        "Type":
        {
          "Id": 1000,
          "Name": "DEVICE"
        }
      }
    ],
    "DeviceComplianceReports":
    [
      {
        "Id": 5,
        "DeviceId": 25019,
        "ServiceTag": "testing",
        "DeviceModel": "POWEREDGE MX7000",
        "DeviceTypeId": 2000,
        "DeviceTypeName": "MX-testing",
        "DeviceName": null,
        "FirmwareStatus": "Compliant",
        "ComplianceStatus": "OK",
        "RebootRequired": false,
        "ComponentComplianceReports": []
      }
    ]
  }
]
```


/api/UpdateService/Actions/UpdateService.GetCertDetails

POST method for GetCertDetails

This method returns the details of a certificate.

Description	Returns the details of a certificate.
Privilege	DEVICE_UPDATE
HTTP response codes	200

Example request body

```
{
  "UriPath": "https://[ IP Address ]"
}
```

Example response body


```
{
  "Version": "3",
  "Subject": "ST=Texas, C=USA, O=Dell Inc., L=Round Rock, CN=OMEDEV-DAHIR",
  "SignatureAlgorithm": "SHA1withRSA",
  "SignatureAlgorithmOid": "1.2.840.113549.1.1.5",
  "PublicKey": "X.509",
  "ValidityFrom": "Wed Sep 17 12:49:56 UTC 2014",
  "ValidityTo": "Tue Sep 18 12:49:56 UTC 2074",
  "Issuer": "ST=Texas, C=USA, O=Dell Inc., L=Round Rock, CN=OMEDEV-DAHIR",
  "SerialNumber": "118309457606451620620759427730425669 3"
}
```

Template Service

/api/TemplateService/TemplateTypes

This URI represents the types of templates.

GET method for TemplateTypes

This method returns information about each type of template, indicating the types of devices for which configuration is supported, such as chassis and servers.

Description	Returns information for each supported template type.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/
$metadata#Collection(TemplateService.TemplateTypeModel)", "@odata.count": 4,
  "value":
  [
    {
      "@odata.id": "/api/TemplateService/TemplateTypes(0)", "Id": 0,
      "Name": "None", "ConfigurationSections": []
    },
    {
      "@odata.id": "/api/TemplateService/TemplateTypes(2)", "Id": 2,
      "Name": "Server", "ConfigurationSections": []
    },
    {
      "@odata.id": "/api/TemplateService/TemplateTypes(4)", "Id": 4,
      "Name": "Chassis", "ConfigurationSections": []
    },
    {
      "@odata.id": "/api/TemplateService/TemplateTypes(3)", "Id": 3,
      "Name": "IO Module", "ConfigurationSections": []
    }
  ]
}
```

NOTE: OME-Modular supports only the `Server` template type.

Table 81. Attributes

Attribute	Description
Id	Unique identifier for the template type.
Name	The type of device for which this template type holds configuration attributes.

/api/TemplateService/TemplateViewTypes

This URI represents the different features that support template operations.

GET method for TemplateViewTypes

This method returns the features that support template operations.

Description	Returns the features that support templates operations.
Privilege	VIEW

HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/
$metadata#Collection(TemplateService.TemplateViewTypeModel)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.id": "/api/TemplateService/TemplateViewTypes(0)", "Id": 0,
      "Description": "None"
    },
    {
      "@odata.id": "/api/TemplateService/TemplateViewTypes(1)", "Id": 1,
      "Description": "Compliance"
    },
    {
      "@odata.id": "/api/TemplateService/TemplateViewTypes(2)", "Id": 2,
      "Description": "Deployment"
    },
    {
      "@odata.id": "/api/TemplateService/TemplateViewTypes(3)", "Id": 3,
      "Description": "Inventory"
    },
    {
      "@odata.id": "/api/TemplateService/TemplateViewTypes(4)", "Id": 4,
      "Description": "Sample"
    }
  ]
}
```

Table 82. Attributes

Attribute	Description
Id	Unique identifier for the template view type.
Name	Identifies the features that support template operations.

/api/TemplateService/Templates

This URI represents the templates.

GET method for Templates

This method returns the details of all available templates.

Table 83. Filters

Filter name	Description
Top	Top records to return. Default value is 100.
Skip	Maximum records to skip. Default value is 0.
Orderby	Order to apply to the output.
SearchFilter	Search type.

Description	Returns the details of all templates.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/$metadata#Collection(TemplateService.Template)",
  "@odata.count": 8,
  "value":
  [
    {
      "@odata.id": "/api/TemplateService/Templates(1)",
      "Id": 1,
      "Name": "iDRAC 13G Enable HPC Profile ",
      "Description": "Tune workload for High Performance Computing
Environment",
      "SourceDeviceId": 0,
      "TypeId": 2,
      "ViewTypeId": 4,
      "TaskId": 0,
      "HasIdentityAttributes": false,
      "Status": 0,
      "IdentityPoolId": 0,
      "IsBuiltIn": true,
      "CreatedBy": "system",
      "CreationTime": "2017-11-30 19:02:11.200378",
      "LastUpdatedBy": null,
      "LastUpdatedTime": "2017-11-30 19:02:11.200378",
      "Views":
      [
        {
          "@odata.id": "/api/TemplateService/Templates(1)/Views"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(2)",
      "Id": 2,
      "Name": "iDRAC 13G Enable Low Latency Profile",
      "Description": "Tune workload for Low Latency Computing Environments",
      "SourceDeviceId": 0,
      "TypeId": 2,
      "ViewTypeId": 4,
      "TaskId": 0,
      "HasIdentityAttributes": false,
      "Status": 0,
      "IdentityPoolId": 0,
      "IsBuiltIn": true,
      "CreatedBy": "system",
      "CreationTime": "2017-11-30 19:02:11.200378",
      "LastUpdatedBy": null,
      "LastUpdatedTime": "2017-11-30 19:02:11.200378",
      "Views":
      [
        {
          "@odata.id": "/api/TemplateService/Templates(2)/Views"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(3)",
      "Id": 3,
      "Name": "iDRAC 14G Enable Performance Profile for Virtualization",
      "Description": "Tune workload for Performance Optimized
Virtualization",
      "SourceDeviceId": 0,
      "TypeId": 2,
      "ViewTypeId": 4,
      "TaskId": 0,
      "HasIdentityAttributes": false,
      "Status": 0,
      "IdentityPoolId": 0,
      "IsBuiltIn": true,
      "CreatedBy": "system", 2017-11-30 19:02:11.200378",
      "LastUpdatedBy": null,
```

```
      "LastUpdatedTime": "2017-11-30 19:02:11.200378",
      "Views":
      [
        {
          "@odata.id": "/api/TemplateService/Templates(3)/Views"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(4)",
      "Id": 4,
      "Name": "iDRAC 14G Enable Power profile for Virtualization",
      "Description": "Tune workload for Power Optimized Virtualization",
      "SourceDeviceId": 0,
      "TypeId": 2,
      "ViewTypeId": 4,
      "TaskId": 0,
      "HasIdentityAttributes": false,
      "Status": 0,
      "IdentityPoolId": 0,
      "IsBuiltIn": true,
      "CreatedBy": "system",
      "CreationTime": "2017-11-30 19:02:11.200378",
      "LastUpdatedBy": null,
      "LastUpdatedTime": "2017-11-30 19:02:11.200378",
      "Views":
      [
        {
          "@odata.id": "/api/TemplateService/Templates(4)/Views"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(5)",
      "Id": 5,
      "Name": "iDRAC 14G Enable Performance Profile for Database",
      "Description": "Tune workload for Performance Optimized Database",
      "SourceDeviceId": 0,
      "TypeId": 2,
      "ViewTypeId": 4,
      "TaskId": 0,
      "HasIdentityAttributes": false,
      "Status": 0,
      "IdentityPoolId": 0,
      "IsBuiltIn": true,
      "CreatedBy": "system",
      "CreationTime": "2017-11-30 19:02:11.200378",
      "LastUpdatedBy": null,
      "LastUpdatedTime": "2017-11-30 19:02:11.200378",
      "Views":
      [
        {
          "@odata.id": "/api/TemplateService/Templates(5)/Views"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(6)",
      "Id": 6,
      "Name": "iDRAC 14G Enable Power Profile for Database",
      "Description": "Tune workload for Power Optimized Database ",
      "SourceDeviceId": 0,
      "TypeId": 2,
      "ViewTypeId": 4,
      "TaskId": 0,
      "HasIdentityAttributes": false,
      "Status": 0,
      "IdentityPoolId": 0,
      "IsBuiltIn": true,
      "CreatedBy": "system", 2017-11-30 19:02:11.200378",
      "LastUpdatedBy": null,
      "LastUpdatedTime": "2017-11-30 19:02:11.200378",
```

```
      "Views":
      [
        {
          "@odata.id": "/api/TemplateService/Templates(6)/Views"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(7)",
      "Id": 7,
      "Name": "iDRAC 14G Enable Performance Profile for Software Defined
Storage",
      "Description": "Tune workload for Performance Optimized Software
Defined Storage ",
      "SourceDeviceId": 0,
      "TypeId": 2,
      "ViewTypeId": 4,
      "TaskId": 0,
      "HasIdentityAttributes": false,
      "Status": 0,
      "IdentityPoolId": 0,
      "IsBuiltIn": true,
      "CreatedBy": "system",
      "CreationTime": "2017-11-30 19:02:11.200378",
      "LastUpdatedBy": null,
      "LastUpdatedTime": "2017-11-30 19:02:11.200378",
      "Views":
      [
        {
          "@odata.id": "/api/TemplateService/Templates(7)/Views"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(8)",
      "Id": 8,
      "Name": "iDRAC 14G Enable Power Profile for Software Defined Storage",
      "Description": "Tune workload for Power Optimized Software Defined
Storage ",
      "SourceDeviceId": 0,
      "TypeId": 2,
      "ViewTypeId": 4,
      "TaskId": 0,
      "HasIdentityAttributes": false,
      "Status": 0,
      "IdentityPoolId": 0,
      "IsBuiltIn": true,
      "CreatedBy": "system",
      "CreationTime": "2017-11-30 19:02:11.200378",
      "LastUpdatedBy": null,
      "LastUpdatedTime": "2017-11-30 19:02:11.200378",
      "Views":
      [
        {
          "@odata.id": "/api/TemplateService/Templates(8)/Views"
        }
      ]
    }
  ]
}
```


NOTE: For information about template attributes, see the Attributes table under GET method for Templates(Id).

POST method for Templates

This method creates a template.

Description	Creates a template.
Privilege	DEVICE_CONFIGURATION

HTTP response codes 200

Example request body

```
{
  "Name": "Test Create",
  "Description": "This is a test template",
  "TypeId": 2,
  "ViewTypeId": 2,
  "SourceDeviceId": 5514,
  "Fqdds": "idrac,system,nic,lifecycleController,eventFilters"
}
```

Example response body

```
ID of the template
```

Table 84. Attributes

Attribute	Description
Name	Template name
Description	Definition for the template
TypeId	Template type. For more information, see `/TemplateService/TemplateTypes`.
ViewTypeId	Template View type. For more information, see `/TemplateService/TemplateViewTypes`.
SourceDeviceId	The identifier of the device—the reference device—from which a template is to be created.
Fqdds	The FQDDs to copy from the reference device, as a comma-separated string. Possible values are: • iDRAC • BIOS • System • NIC • Lifecycle Controller • RAID • EventFilters • Fibre Channel To get the entire device configuration, use *All*.

POST method for IOA Templates

This method creates an IOA template.

Description Creates an IOA template.

Privilege TEMPLATE_MANAGEMENT

HTTP response codes 201

Example request body

```
{
"Name": "Switch-FJM0Y42",
"TypeId": 3,
"ViewTypeId": 2,
"SourceDeviceId": 10173,
```

```
"Fqdds": ""
}
```

Table 85. Attributes

Attribute	Description
Name	Template name
TypeId	Template type. For more information, see `/TemplateService/TemplateTypes`.
ViewTypeId	Template View type. For more information, see `/TemplateService/TemplateViewTypes`.
SourceDeviceId	The identifier of the device—the reference device—from which a template is created.
FQDDs	The FQDDs to copy from the reference device, as a comma-separated string. Possible values are: • iDRAC • System • BIOS • NIC • LifeCycleController • RAID • EventFilters • All To get the entire device configuration, use*All*.

/api/TemplateService/Templates(Id)

This URI represents a specific template.

GET method for Templates(Id)

This method returns the details of a specific template.

Description	Returns the details of a specific template.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#TemplateService.Template/$entity",
  "@odata.id": "/api/TemplateService/Templates(10)",
  "Id": 10,
  "Name": "Example Test Template 1",
  "Description": null,
  "SourceDeviceId": 5514,
  "TypeId": 2,
  "ViewTypeId": 2,
  "TaskId": 33464,
  "HasIdentityAttributes": true,
  "Status": 2060,
  "IdentityPoolId": 0,
  "IsBuiltIn": false,
  "CreatedBy": "admin",
  "CreationTime": "2017-12-05 19:17:17.31158",
  "LastUpdatedBy": "admin",
  "LastUpdatedTime": "2017-12-05 19:17:17.31158",
```

```
  "Views":
  [
    {
      "@odata.id": "/api/TemplateService/Templates(10)/Views"
    }
  ]
}
```

Table 86. Attributes

Attribute	Description
Id	Unique identifier for referencing a template.
Name	Template name.
Description	Definition for the template.
SourceDeviceId	The identifier of the device whose configuration was used as a reference for creating the template.
TypeId	Template type. For more information, see `/TemplateService/TemplateTypes`.
ViewTypeId	Template View type. For more information, see `/TemplateService/TemplateViewTypes`.
TaskId	The identifier of the task that created the template.
HasIdentityAttributes	Indicates whether the template contains any identity attributes, that is, any attributes that must be assigned a unique value from an Identity Pool before they can be deployed to a target device.
Status	Status of the action.
IdentityPoolId	The ID of the identify pool associated with the template. If an identity pool is not associated, this value is 0.
IsBuiltIn	Indicates whether the template is a preinstalled template or customer-defined.
CreatedBy	The name of the user who created the template.
CreationTime	Timestamp indicating when this template was created.
Last UpdatedBy	The name of the user who last modified this template.
LastUpdatedTime	Timestamp indicating when this template was last modified.

PUT method for Templates(Id)

This method updates a template.

Description Updates a specific template.

Privilege DEVICE_CONFIGURATION

HTTP response codes 200

Example request body

```
{
  "Name": "Test Create Renamed"
}

Response:
ID of the template
```

Example response body

```
ID of the template
```

Example to update a compliance template attriubtes

Example request body

```
{
  "Id": 12,
  "Name": "Example Compliance Template",
  "Attributes":
  [
    {
      "Id": 3592,
      "Value": "Test OS Name",
      "IsIgnored": false
    }
  ]
}
```

Example response body

```
ID of the template
```

Table 87. Attributes

Attribute name	Description
ID	Template ID
Name	Template Name
Description	Definition for the template
Attribute Id	Attribute Id
Value	Status of the Value attribute
IsIgnored	Whether the attribute id Ignored or Not

DELETE method for Templates(Id)

This method deletes a template.

Description Deletes a specific template.

Privilege DEVICE_CONFIGURATION

HTTP response codes 204

api/TemplateService/Templates(26)

This URL represents the template configuration content.

GET method for Templates(26)

Description By using this method, you can view the IOA template configuration content.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
    "@odata.context": "/api/$metadata#TemplateService.Template/$entity",
```

```
    "@odata.type": "#TemplateService.Template",
    "@odata.id": "/api/TemplateService/Templates(10)",
    "Id": 10,
    "Name": "Switch-FJM0Y42",
    "Description": null,
    "Content": "\n!Cloning Header Start\n!ReleasePlatform  XL\n!
ReleaseVersion  9-14(0-30)\n!ReleaseSize  48140985\n!ReleaseTime  Jun 19
2018 01:29:05\n!OPTM0 10GBASE-T\n!OPTM1 -\n!Service-Tag  FJM0Y42\n!Serial-
Number CN2829865N0013\n!FCPortsPresent  FALSE\n!QuadPortsPresent  33 37 49
53\n!IOM-Mode  standalone\n!CheckSum  4fd3e503fd1df86f419aecd3cd23bd21\n!
Cloning Header End\n\n\n! Version 9-14(0-30)\n!\nboot system stack-unit 0
primary system: A:\nboot system stack-unit 0 secondary system: B:\nboot
system stack-unit 0 default system: B:\nboot system gateway 100.100.230.1\n!
\nhostname Dell\n! \nprotocol lldp \n!\nredundancy auto-synchronize full\n!
\nenable password 7 b125455cf679b208fcf9eeeed0cd6d84\n!\nusername root
password 7 d7acc8a1dcd4f698 privilege 15\nusername root password 7
d7acc8a1dcd4f698 privilege 15\n! \nstack-unit 0 provision I/O-Aggregator\n!
\ninterface TenGigabitEthernet 0/1\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/2\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/3\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/4\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/5\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/6\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/7\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/8\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/9\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/10\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/11\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/12\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/13\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/14\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/15\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/16\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/17\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/18\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/19\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/20\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/21\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/22\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/23\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/24\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/25\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/26\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/27\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/28\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/29\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/30\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/31\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/32\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/33\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/34\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/35\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/36\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/37\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/38\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/39\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/40\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/41\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/42\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/43\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/44\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/49\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/50\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/51\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/52\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/53\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/54\n! \n protocol
```

```
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/55\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/56\n! \n protocol
lldp \n no shutdown\n! \ninterface ManagementEthernet 0/0\n ip address dhcp
\n no shutdown\n! \ninterface Port-channel 128\n no shutdown\n! \ninterface
Vlan 1\n ip address dhcp\n no shutdown\n!\nsnmp-server community public ro
\nsnmp-server enable traps snmp linkdown linkup \nsnmp-server enable traps
stack\n!\n!\nclock timezone TZ-68 5 30 \n!\nfeature fip-snooping\nline
console 0\nline vty 0\nline vty 1\nline vty 2\nline vty 3\nline vty 4\nline
vty 5\nline vty 6\nline vty 7\nline vty 8\nline vty 9\n! \nuplink-state-
group 1\n! \nreload-type\n boot-type normal-reload\n config-scr-download
enable\n",
    "SourceDeviceId": 10111,
    "TypeId": 3,
    "ViewTypeId": 2,
    "TaskId": 10313,
    "HasIdentityAttributes": false,
    "Status": 2060,
    "IdentityPoolId": 0,
    "IsPersistencePolicyValid": true,
    "IsStatelessAvailable": false,
    "IsBuiltIn": false,
    "CreatedBy": "admin",
    "CreationTime": "2019-01-24 15:15:13.509153",
    "LastUpdatedBy": "admin",
    "LastUpdatedTime": "2019-01-24 15:15:13.509153",
    "Views@odata.navigationLink": "/api/TemplateService/Templates(10)/Views"
}
```


Table 88. Attributes

Attribute	Description
Id	Unique identifier for referencing a template.
Name	Template name.
Description	Definition for the template.
SourceDeviceId	The identifier of the device whose configuration was used as a reference for creating the template.
TypeId	Template type. For more information, see `/TemplateService/TemplateTypes`.
ViewTypeId	Template View type. For more information, see `/TemplateService/TemplateViewTypes`.
TaskId	The identifier of the task that created the template.
HasIdentityAttributes	Indicates whether the template contains any identity attributes, that is, any attributes that must be assigned a unique value from an Identity Pool before they can be deployed to a target device.
Status	Status of the action.
IdentityPoolId	The ID of the identify pool associated with the template. If an identity pool is not associated, this value is 0.
IsBuiltIn	Indicates whether the template is a preinstalled template or customer-defined.
CreatedBy	The name of the user who created the template.
CreationTime	Timestamp indicating when this template was created.
Last UpdatedBy	The name of the user who last modified this template.
LastUpdatedTime	Timestamp indicating when this template was last modified.

/api/TemplateService/Templates(Id)/Views

This URI represents the views of a specific template.

GET method for Views of a template

This method returns the views available for a specific template. Each view displays template data in a specific structure.

Description	Returns the views available for a specific template.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/
$metadata#Collection(TemplateService.AttributeView) HYPERLINK
"mailto:\",\"@odata.count" ",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#TemplateService.AttributeView",
      "@odata.id": "/api/TemplateService/Templates(1)/Views(1)",
      "Id": 1,
      "Name": "TemplateSpecific",
      "Description": "The hierarchy consists of template specific component
classes, groups (from the attribute registry) and attributes.",
      "AttributeViewDetails":
      {
        "@odata.id": "/api/TemplateService/Templates(1)/Views(1)/
AttributeViewDetails"
      },
      " HYPERLINK "mailto:DeviceAttributeViewDetails@odata.navigationLink"
DeviceAttributeViewDetails@odata.navigationLink": "/api/TemplateService/
Templates(1)/Views(1)/DeviceAttributeViewDetails"
    },
    {
      "@odata.type": "#TemplateService.AttributeView",
      "@odata.id": "/api/TemplateService/Templates(1)/Views(2)",
      "Id": 2,
      "Name": "SystemSpecific",
      "Description": "The hierarchy consists of unique system specific
related component classes, groups (from the attribute registry) and
attributes.",
      "AttributeViewDetails":
      {
        "@odata.id": "/api/TemplateService/Templates(1)/Views(2)/
AttributeViewDetails"
      },
      " HYPERLINK "mailto:DeviceAttributeViewDetails@odata.navigationLink"
DeviceAttributeViewDetails@odata.navigationLink": "/api/TemplateService/
Templates(1)/Views(2)/DeviceAttributeViewDetails"
    }
  ]
}
```

NOTE: For more information about template view attributes, see the Attributes table under GET method for Views(Id).

/api/TemplateService/Templates(Id)/Views(Id)

This URI represents a specific view of a template.

GET method for Views(Id)

This method returns the details of a specific view of a template.

Description	Returns a specific view of a template.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#TemplateService.AttributeView/$entity",
  "@odata.id":
  "/api/TemplateService/Templates(10)/Views(1)",
  "Id": 1,
  "Name": "DefaultModel",
  "Description": "The default hierarchical model of a template. The
hierarchy consists of component classes, groups (from the attribute
registry) and attributes.",
  "AttributeViewDetails":
  {
    "@odata.id": "/api/TemplateService/Templates(10)/Views(1)/
AttributeViewDetails"
  },
  "DeviceAttributeViewDetails":
  [
    {
      "@odata.id": "/api/TemplateService/Templates(10)/Views(1)/
DeviceAttributeViewDetails"
    }
  ]
}
```

Table 89. Attributes

Attribute	Description
Id	Unique identifier for a template view.
Name	The name of the view.
Description	Identifies the template data and its structure provided by this view.

/api/TemplateService/Templates(Id)/Views(Id)/AttributeViewDetails

This URI represents the attribute details of a specific view of a template.

NOTE: This API is not supported in OME-Modular.

GET method for AttributeViewDetails

This method returns the details for all attributes applicable to a specific template view..

NOTE: This API does not return the information needed for editing attributes. To get that information, use `API /TemplateService/Templates(Id)/Views(Id)/AttributeViewDetails/TemplateEditInfoDetails`.

Description	Returns all attribute details of a template view.
Privilege	VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "/api/$metadata#TemplateService.AttributeViewDetail/
$entity",
  "@odata.id": "/api/TemplateService/Templates(11)/Views(1)/
AttributeViewDetails",
  "Id": 1,
  "Name": "TemplateSpecific",
  "Description": "The hierarchy consists of template specific component
classes, groups (from the attribute registry) and attributes.",
  "AttributeGroupNames": [],
  "AttributeGroups":
  [
    {
      "GroupNameId": 4,
      "DisplayName": "LifecycleController",
      "SubAttributeGroups":
      [
        {
          "GroupNameId": 410,
          "DisplayName": "Lifecycle Controller Attributes",
          "SubAttributeGroups": [],
          "Attributes":
          [
            {
              "AttributeId": 3562,
              "CustomId": 0,
              "AttributeEditInfoId": 1857,
              "DisplayName": "LCAttributes 1
VirtualAddressManagementApplication",
              "Description": null,
              "Value": null,
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3561,
              "CustomId": 0,
              "AttributeEditInfoId": 1856,
              "DisplayName": "LCAttributes 1 VirtualAddressManagement",
              "Description": null,
              "Value": "Console",
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3563,
              "CustomId": 0,
              "AttributeEditInfoId": 1858,
              "DisplayName": "LCAttributes 1 Provisioning Server",
              "Description": null,
              "Value": null,
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3559,
              "CustomId": 0,
              "AttributeEditInfoId": 1644,
              "DisplayName": "LCAttributes 1 Part Firmware Update",
              "Description": null,
              "Value": "Match firmware of replaced part",
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3558,
              "CustomId": 0,
```

```
              "AttributeEditInfoId": 1643,
              "DisplayName": "LCAttributes 1 Part Configuration Update",
              "Description": null,
              "Value": "Apply always",
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3567,
              "CustomId": 0,
              "AttributeEditInfoId": 1804,
              "DisplayName": "LCAttributes 1 Lifecycle Controller State",
              "Description": null,
              "Value": "Enabled",
              "IsReadOnly": false,
              "IsIgnored": true
            },
            {
              "AttributeId": 3560,
              "CustomId": 0,
              "AttributeEditInfoId": 1855,
              "DisplayName": "LCAttributes 1 IPChangeNotifyPS",
              "Description": null,
              "Value": "Off",
              "IsReadOnly": false,
              "IsIgnored": false
            }
            {
              "AttributeId": 3557,
              "CustomId": 0,
              "AttributeEditInfoId": 1642,
              "DisplayName": "LCAttributes 1 Collect System Inventory on
Restart",
              "Description": null,
              "Value": "Enabled",
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3564,
              "CustomId": 0,
              "AttributeEditInfoId": 1859,
              "DisplayName": "LCAttributes 1 BIOS Reset To Defaults
Requested",
              "Description": null,
              "Value": "False",
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3565,
              "CustomId": 0,
              "AttributeEditInfoId": 1860,
              "DisplayName": "LCAttributes 1 Automatic Update Feature",
              "Description": null,
              "Value": "Disabled",
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3566,
              "CustomId": 0,
              "AttributeEditInfoId": 1861,
              "DisplayName": "LCAttributes 1 Automatic Backup Feature",
              "Description": null,
              "Value": "Disabled",
              "IsReadOnly": false,
              "IsIgnored": false
            }
          ]
        }
      ],
```

```
      "Attributes": []
    }
  ],
  "TemplateEditInfoDetails":
  {
    "@odata.id": "/api/TemplateService/Templates(11)/Views(1)/
AttributeViewDetails/TemplateEditInfoDetails"
  }
}
```

Table 90. Attributes

Attribute	Description
AttributeId	Unique identifier for an attribute.
AttributeEditInfoId	Identifier for editing-related info for the attribute.
DisplayName	Text for displaying the name of the attribute.
Description	Attribute definition.
Value	The current value for the attribute.
IsReadOnly	Indicates whether the attribute value can be modified.
IsIgnored	Indicates whether the attribute should be ignored or included when the template is deployed to another device. *true* indicates *Ignore - do not deploy*.

/api/TemplateService/Templates(Id)/Views(Id)/AttributeViewDetails/TemplateEditInfoDetails

This URI represents the editable attributes of a specific view of a template.

GET method for TemplateEditInfoDetails

This method returns the editable attributes of a specific view of a template.

Description Returns the editable attributes of a view of a template.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "/api/$metadata#TemplateService.TemplateEditInfo/
$entity",
  "@odata.id": "/api/TemplateService/Templates(11)/Views(1)/
AttributeViewDetails/TemplateEditInfoDetails",
  "Id": 1,
  "AttributeOptionSets":
  [
    {
      "Id": 2,
      "OptionId":
      [
        579,
        580,
        581
      ]
    },
    {
      "Id": 3,
      "OptionId":
```

```
      [
        562,
        563
      ]
    },
    {
      "Id": 3636,
      "DataType": 4308,
      "Description": "Specify the iSCSI Qualified Name (IQN) of the eighth
iSCSI storage target.",
      "IsReadOnly": false,
      "IsSecure": false,
      "TextMinLength": 0,
      "TextMaxLength": 223,
      "ValueMin": 0,
      "ValueMax": 0,
      "DependencyText": null,
      "OptionSetId": 0,
      "DefaultOptionId": 0,
      "GenericNameId": 2258
    },
    {
      "Id": 3637,
      "DataType": 4308,
      "Description": "Specify the iSCSI Qualified Name (IQN) of the fifth
iSCSI storage target.",
      "IsReadOnly": false,
      "IsSecure": false,
      "TextMinLength": 0,
      "TextMaxLength": 223,
      "ValueMin": 0,
      "ValueMax": 0,
      "DependencyText": null,
      "OptionSetId": 0,
      "DefaultOptionId": 0,
      "GenericNameId": 2255
    },
    {
      "Id": 2692,
      "DataType": 18,
      "Description": null,
      "IsReadOnly": true,
      "IsSecure": false,
      "TextMinLength": 0,
      "TextMaxLength": 32,
      "ValueMin": 0,
      "ValueMax": 0,
      "DependencyText": null,
      "OptionSetId": 0,
      "DefaultOptionId": 0
    },
    {
      "Id": 2693,
      "DataType": 12,
      "Description": null,
      "IsReadOnly": true,
      "IsSecure": false,
      "TextMinLength": 0,
      "TextMaxLength": 0,
      "ValueMin": 0,
      "ValueMax": 0,
      "DependencyText": null,
      "OptionSetId": 0,
      "DefaultOptionId": 0
    },
    {
      "Id": 2694,
      "DataType": 18,
      "Description": null,
      "IsReadOnly": true,
      "IsSecure": false,
      "TextMinLength": 0,
```

```
      "TextMaxLength": 32,
      "ValueMin": 0,
      "ValueMax": 0,
      "DependencyText": null,
      "OptionSetId": 0,
      "DefaultOptionId": 0
    }
  ]
}
```


/api/TemplateService/Templates(Id)/Views(Id)/DeviceAttributeViewDetails(Id)

This URI represents the device-specific attributes for a view of a template.

GET method for DeviceAttributeViewDetails(Id)

This method returns the device-specific attributes for a view of a template.

Description	Returns the device-specific attributes for a view of a template.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#TemplateService.AttributeViewDetail/
$entity",
  "@odata.id": "/api/TemplateService/Templates(10)/Views(4)/
DeviceAttributeViewDetails(0)",
  "Id": 4,
  "Name": "NetworkSpecific",
  "Description": "The hierarchy consists of network related component
classes, groups (from the attribute registry) and attributes.",
  "AttributeGroupNames": [],
  "AttributeGroups":
  [
    {
      "GroupNameId": 1001,
      "DisplayName": "NICModel",
      "SubAttributeGroups":
      [
        {
          "GroupNameId": 1,
          "DisplayName": "Integrated NIC 1",
          "SubAttributeGroups":
          [
            {
              "GroupNameId": 1,
              "DisplayName": "Port ",
              "SubAttributeGroups":
              [
                {
                  "GroupNameId": 1,
                  "DisplayName": "Partition ",
                  "SubAttributeGroups": [],
                  "Attributes":
                  [
                    {
                      "AttributeId": 3297,
                      "CustomId": 0,
                      "AttributeEditInfoId": 2969,
                      "DisplayName": "Partition n Minimum TX Bandwidth",
                      "Description": null,
                      "Value": "20",
```

```
                    "IsReadOnly": false,
                    "IsIgnored": false
                  },
                  {
                    "AttributeId": 3298,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2968,
                    "DisplayName": "Partition n Maximum TX Bandwidth",
                    "Description": null,
                    "Value": "100",
                    "IsReadOnly": false,
                    "IsIgnored": false
                  },
                  {
                    "AttributeId": 0,
                    "CustomId": 43,
                    "AttributeEditInfoId": 0,
                    "DisplayName": "Vlan Tagged",
                    "Description": null,
                    "Value": null,
                    "IsReadOnly": false,
                    "IsIgnored": false
                  },
                  {
                    "AttributeId": 0,
                    "CustomId": 43,
                    "AttributeEditInfoId": 0,
                    "DisplayName": "Vlan UnTagged",
                    "Description": null,
                    "Value": "0",
                    "IsReadOnly": false,
                    "IsIgnored": false
                  }
                ]
              }
            ],
            "Attributes": []
          },
          {
            "GroupNameId": 1,
            "DisplayName": "Port ",
            "Sub ttributeGroups":
            [
              "GroupNameId": 2,
              "DisplayName": "P
              "SubAttributeGroups": [],
              "Attributes":
              [
                {
                  "AttributeId": 3350,
                  "CustomId": 0,
                  "AttributeEditInfoId": 2969,
                  "DisplayName": "Partition n Minimum TX Bandwidth",
                  "Description": null,
                  "Value": "30",
                  "IsReadOnly": false,
                  "IsIgnored": false
                },
                {
                  "AttributeId": 3351,
                  "CustomId": 0,
                  "AttributeEditInfoId": 2968,
                  "DisplayName": "Partition n Maximum TX Bandwidth",
                  "Description": null,
                  "Value": "100",
                  "IsReadOnly": false,
                  "IsIgnored": false
                }
              }
            ],
            "Attributes": []
          },
```

```
{
  "GroupNameId": 1,
  "DisplayName": "Port ",
  "SubAttributeGroups":
  [
    {
      "GroupNameId": 3,
      "DisplayName": "Partition ",
      "SubAttributeGroups": [],
      "Attributes":
      [
        {
          "AttributeId": 3369,
          "CustomId": 0,
          "AttributeEditInfoId": 2969,
          "DisplayName": "Partition n Minimum TX Bandwidth",
          "Description": null,
          "Value": "20",
          "IsReadOnly": false,
          "IsIgnored": false
        },
        {
          "AttributeId": 3370,
          "CustomId": 0,
          "AttributeEditInfoId": 2968,
          "DisplayName": "Partition n Maximum TX Bandwidth",
          "Description": null,
          "Value": "100",
          "IsReadOnly": false,
          "IsIgnored": false
        }
      ]
    }
  ],
  "Attributes": []
},
{
  "GroupNameId": 1,
  "DisplayName": "Port ",
  "SubAttributeGroups":
  [
    {
      "GroupNameId": 4,
      "DisplayName": "Partition ",
      "SubAttributeGroups": [],
      "Attributes":
      [
        {
          "AttributeId": 3388,
          "CustomId": 0,
          "AttributeEditInfoId": 2969,
          "DisplayName": "Partition n Minimum TX Bandwidth",
          "Description": null,
          "Value": "30",
          "IsReadOnly": false,
          "IsIgnored": false
        },
        {
          "AttributeId": 3389,
          "CustomId": 0,
          "AttributeEditInfoId": 2968,
          "DisplayName": "Partition n Maximum TX Bandwidth",
          "Description": null,
          "Value": "100",
          "IsReadOnly": false,
          "IsIgnored": false
        }
        }
      ],
      "Attributes": []
    },
    {
```

```
      "GroupNameId": 2,
      "DisplayName": "Port ",
      "SubAttributeGroups":
      [
        {
          "GroupNameId": 1,
          "DisplayName": "Partition ",
          "SubAttributeGroups": [],
          "Attributes":
          [
            {
              "AttributeId": 3431,
              "CustomId": 0,
              "AttributeEditInfoId": 2969,
              "DisplayName": "Partition n Minimum TX Bandwidth",
              "Description": null,
              "Value": "20",
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 3432,
              "CustomId": 0,
              "AttributeEditInfoId": 2968,
              "DisplayName": "Partition n Maximum TX Bandwidth",
              "Description": null,
              "Value": "100",
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 0,
              "CustomId": 47,
              "AttributeEditInfoId": 0,
              "DisplayName": "Vlan Tagged",
              "Description": null,
              "Value": null,
              "IsReadOnly": false,
              "IsIgnored": false
            },
            {
              "AttributeId": 0,
              "CustomId": 47,
              "AttributeEditInfoId": 0,
              "DisplayName": "Vlan UnTagged",
              "Description": null,
              "Value": "0",
              "IsReadOnly": false,
              "IsIgnored": false
            }
          ]
        }
      ],
      "Attributes": []
    },
    {
      "GroupNameId": 2,
      "DisplayName": "Port ",
      "SubAttributeGroups":
      [
        {
          "GroupNameId": 2,
          "DisplayName": "Partition ",
          "SubAttributeGroups": [],
          "Attributes":
          [
            {
              "AttributeId": 3484,
              "CustomId": 0,
              "AttributeEditInfoId": 2969,
              "DisplayName": "Partition n Minimum TX Bandwidth",
              "Description": null,
```

```
                        "Value": "30",
                        "IsReadOnly": false,
                        "IsIgnored": false
                      },
                      {
                        "AttributeId": 3485,
                        "CustomId": 0,
                        "AttributeEditInfoId": 2968,
                        "DisplayName": "Partition n Maximum TX Bandwidth",
                        "Description": null,
                        "Value": "100",
                        "IsReadOnly": false,
                        "IsIgnored": false
                      }
                    ]
                  }
                ],
                "Attributes": []
              },
              {
                "GroupNameId": 2,
                "DisplayName": "Port ",
                "SubAttributeGroups":
                [
                  {
                    "GroupNameId": 3,
                    "DisplayName": "Partition ",
                    "SubAttributeGroups": [],
                    "Attributes":
                    [
                      {
                        "AttributeId": 3503,
                        "CustomId": 0,
                        "AttributeEditInfoId": 2969,
                        "DisplayName": "Partition n Minimum TX Bandwidth",
                        "Description": null,
                        "Value": "20",
                        "IsReadOnly": false,
                        "IsIgnored": false
                      },
                      {
                        "AttributeId": 3504,
                        "CustomId": 0,
                        "AttributeEditInfoId": 2968,
                        "DisplayName": "Partition n Maximum TX Bandwidth",
                        "Description": null,
                        "Value": "100",
                        "IsReadOnly": false,
                        "IsIgnored": false
                      }
                    ]
                  }
                ],
                "Attributes": []
              },
              {
                "GroupNameId": 2,
                "DisplayName": "Port ",
                "SubAttributeGroups":
                [
                  {
                    "GroupNameId": 4,
                    "DisplayName": "Partition ",
                    "SubAttributeGroups": [],
                    "Attributes":
                    [
                      {
                        "AttributeId": 3522,
                        "CustomId": 0,
                        "AttributeEditInfoId": 2969,
                        "DisplayName": "Partition n Minimum TX Bandwidth",
                        "Description": null,
```

```
                            "Value": "30",
                            "IsReadOnly": false,
                            "IsIgnored": false
                          },
                          {
                            "AttributeId": 3523,
                            "CustomId": 0,
                            "AttributeEditInfoId": 2968,
                            "DisplayName": "Partition n Maximum TX Bandwidth",
                            "Description": null,
                            "Value": "100",
                            "IsReadOnly": false,
                            "IsIgnored": false
                          }
                        ]
                      }
                    ],
                    "Attributes": []
                  }
                ],
                "Attributes": []
              }
            ],
            "Attributes": []
          }
        ],
        "TemplateEditInfoDetails":
        {
          "@odata.id": "/api/TemplateService/Templates(10)/Views(4)/
DeviceAttributeViewDetails(0)/TemplateEditInfoDetails"
        }
}
```


/api/TemplateService/Templates(26)/Views(9)/DeviceAttributeViewDetails(10176)

This URI represents the IOA device-specific attributes for a view of a template.

GET method for DeviceAttributeViewDetails(10176)

Description	This method returns the IOA device-specific attributes for a view of a template.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
    "@odata.context": "/api/$metadata#TemplateService.DeviceAttributeView/
$entity",
    "@odata.type": "#TemplateService.DeviceAttributeView",
    "@odata.id": "/api/TemplateService/Templates(26)/Views(9)/
DeviceAttributeViewDetails(10176)",
    "Id": 9,
    "Name": "SystemIoaDeploySpecific",
    "Description": "Hierarchy of attributes, with component classes and
groups, containing boot settings for IOA.Virtual components.",
    "AttributeGroups": [
        {
            "GroupNameId": 0,
            "DisplayName": "Miscellaneous Attributes",
            "Attributes": [
                {
```

```
                    "AttributeId": 18968,
                    "CustomId": 0,
                    "AttributeEditInfoId": 0,
                    "DisplayName": "IOA.Hostname",
                    "Value": "dell-lex-c3",
                    "IsReadOnly": false,
                    "IsIgnored": false
                }
            ]
        }
    ]
}
```

/api/TemplateService/Actions/TemplateService.AssignIdentities

POST method for TemplateService.AssignIdentities

This method reserves virtual identities for target devices based on the configuration in a specified template. Identities are reserved from the identity pool associated with the specified template.

Description	Reserves virtual identities for target devices.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body

```
{
  "TemplateId" : 13,
  "BaseEntityIds" : [25010]

}
```

Example response body

```
{
  "IsSuccessful": true,
  "ResultCode": 0,
  "ResultMessage": "Operation successful.",
  "Issues": []
}
```

/api/TemplateService/Actions/TemplateService.GetAssignedIdentities

POST method for TemplateService.GetAssignedIdentities

This method returns a list of virtual identities reserved for a specified target device. The reply also includes boot option attributes.

Description	Returns a list of virtual identities for a specific target device.
Privilege	VIEW
HTTP response codes	200

Example request body

```
{
  "TemplateId" : 13,
```

```
  "BaseEntityId" : 25010
}
```

Example response body

```
The reply is a hierarchical structure for the cards, ports, and partitions
for which identities were assigned, or that have boot options.

{
  "Id": 5,
  "Name": "NetModel",
  "Description": "Hierarchy containing NIC and BIOS Network Settings and
Boot Options",
  "AttributeGroupNames": [],
  "AttributeGroups":
  [
    {
      "GroupNameId": 1001,
      "DisplayName": "NICModel",
      "SubAttributeGroups":
      [
        {
          "GroupNameId": 3001,
          "DisplayName": "Integrated NIC 1",
          "SubAttributeGroups":
          [
            {
              "GroupNameId": 1,
              "DisplayName": "Port",
              "SubAttributeGroups":
              [
                {
                  "GroupNameId": 1,
                  "DisplayName": "Partition",
                  "SubAttributeGroups": [],
                  "Attributes":
                  [
                    {
                      "AttributeId": 0,
                      "CustomId": 0,
                      "AttributeEditInfoId": 0,
                      "DisplayName": "Protocol",
                      "Description": "",
                      "Value": "Ethernet",
                      "IsReadOnly": true,
                      "IsIgnored": false
                    },
                    {
                      "AttributeId": 0,
                      "CustomId": 0,
                      "AttributeEditInfoId": 0,
                      "DisplayName": "MAC Address",
                      "Description": "MAC Address",
                      "Value": "10:10:10:10:10:0E",
                      "IsReadOnly": true,
                      "IsIgnored": false
                    }
                  ]
                },
                {
                  "GroupNameId": 1,
                  "DisplayName": "Partition",
                  "SubAttributeGroups": [],
                  "Attributes":
                  [
                    {
                      "AttributeId": 0,
                      "CustomId": 0,
                      "AttributeEditInfoId": 0,
                      "DisplayName": "Protocol",
                      "Description": "",
```

```
                        "Value": "iSCSI",
                        "IsReadOnly": true,
                        "IsIgnored": false
                      },
                      {
                        "AttributeId": 0,
                        "CustomId": 0,
                        "AttributeEditInfoId": 0,
                        "DisplayName": "iSCSI IQN",
                        "Description": "iSCSI IQN",
                        "Value": "iqn.pool1.0000005",
                        "IsReadOnly": true,
                        "IsIgnored": false
                      }
                    ]
                  },
                  {
                    "GroupNameId": 2,
                    "DisplayName": "Partition",
                    "SubAttributeGroups": [],
                    "Attributes":
                    [
                      {
                        "AttributeId": 0,
                        "CustomId": 0,
                        "AttributeEditInfoId": 0,
                        "DisplayName": "Protocol",
                        "Description": "",
                      }
                    ]
                  }
                ]
              }
            ]
          }
        ]
      }
    ]
}
```


/api/TemplateService/Actions/ TemplateService.FreeReservedIdentities

This API represents the identities that are reserved for deployment.

POST method for /api/TemplateService/Actions/ TemplateService.FreeReservedIdentities

This method returns the reserved identities information.

Description	Returns information about reserved identities.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200
Example response body	


```
{
        "TemplateId" : <template-id>,
        "BaseEntityIds" : [ <entity-id>, <entity-id>, ... ]
}
```

/api/TemplateService/Actions/TemplateService.Clone

POST method for TemplateService.Clone

This method creates a clone of a template.

Description	Clones a template.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200

Example request body

```
{
     "SourceTemplateId": 12,
     "NewTemplateName": "clone example",
     "ViewTypeId": 2
}
```

Example response body

```
ID of cloned template
```

/api/TemplateService/Actions/TemplateService.Export

POST method for TemplateService.Export

This method exports a template.

Description	Exports a template.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200

Example request body

```
{
  "TemplateId": 11
}
```

Example response body

```
{
"TemplateId": 11,
"Content": "<SystemConfiguration Model=\"PowerEdge M620\" ServiceTag=
\"6HHN9Z1\" TimeStamp=\"Tue Dec 5 19:22:25 2017\">\n<Component FQDD=
\"LifecycleController.Embedded.1\">\n<Attribute Name=
\"LCAttributes.1#VirtualAddressManagementApplication\"/>\n<Attribute Name=
\"LCAttributes.1#VirtualAddressManagement\">Console</Attribute>\n<Attribute
Name=\"LCAttributes.1#ProvisioningServer\"/>\n<Attribute Name=
\"LCAttributes.1#PartFirmwareUpdate\">Match firmware of replaced part</
Attribute>\n<Attribute Name=\"LCAttributes.1#PartConfigurationUpdate\">Apply
always</Attribute>\n<Attribute Name=\"LCAttributes.1#IPChangeNotifyPS\">Off</
Attribute>\n<Attribute Name=\"LCAttributes.1#CollectSystemInventoryOnRestart
\">Enabled</Attribute>\n<Attribute Name=\"LCAttributes.1#BIOSRTDRequested
\">False</Attribute>\n<Attribute Name=\"LCAttributes.1#AutoUpdate
\">Disabled</Attribute>\n<Attribute Name=\"LCAttributes.1#AutoBackup
\">Disabled</Attribute>\n</Component>\n</SystemConfiguration>\n",
"ContentType": "xml",
"ViewTypeId": 2
}
```

/api/TemplateService/Actions/TemplateService.Import

POST method for TemplateService.Import

This method creates a template from a specified configuration text in .XML format. The text is generally from an exported template file or an SCP file that is created from a device. The text must use the same structure as SCP files.

Description	Creates a template from a specified configuration text in SCP XML format.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200

Example request body

```
{
  "Name": "Import Test",
  "Type": 2,
  "Content": <Details of the XML file>
  "ViewTypeId": 2
}
```

Example response body

```
ID of the imported template
```

POST method for TemplateService.Import of IOA deployment

Description	This method imports the IOA template.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body

```
{
"Name": "Import Test - IOA",
"Type": 3,
"Content": "\n!Cloning Header Start\n!ReleasePlatform  XL\n!ReleaseVersion
9-14(0-30)\n!ReleaseSize  48140985\n!ReleaseTime  Jun 19 2018 01:29:05\n!
OPTM0 10GBASE-T\n!OPTM1 -\n!Service-Tag  FJM0Y42\n!Serial-Number
CN2829865N0013\n!FCPortsPresent  FALSE\n!QuadPortsPresent  33 37 49 53\n!IOM-
Mode  standalone\n!CheckSum  4fd3e503fd1df86f419aecd3cd23bd21\n!Cloning
Header End\n\n\n! Version 9-14(0-30)\n!\nboot system stack-unit 0 primary
system: A:\nboot system stack-unit 0 secondary system: B:\nboot system stack-
unit 0 default system: B:\nboot system gateway 100.100.230.1\n!\nhostname
Dell\n! \nprotocol lldp \n!\nredundancy auto-synchronize full\n!\nenable
password 7 b125455cf679b208fcf9eeeed0cd6d84\n!\nusername root password 7
d7acc8a1dcd4f698 privilege 15\nusername root password 7 d7acc8a1dcd4f698
privilege 15\n! \nstack-unit 0 provision I/O-Aggregator\n! \ninterface
TenGigabitEthernet 0/1\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/2\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/3\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/4\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/5\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/6\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/7\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/8\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/9\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/10\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/11\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/12\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/13\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/14\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/15\n auto vlan\n! \n protocol
```

```
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/16\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/17\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/18\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/19\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/20\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/21\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/22\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/23\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/24\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/25\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/26\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/27\n auto vlan\n! \n protocol
lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/28\n auto vlan\n! \n
protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet 0/29\n auto
vlan\n! \n protocol lldp \n no shutdown\n! \ninterface TenGigabitEthernet
0/30\n auto vlan\n! \n protocol lldp \n no shutdown\n! \ninterface
TenGigabitEthernet 0/31\n auto vlan\n! \n protocol lldp \n no shutdown\n!
\ninterface TenGigabitEthernet 0/32\n auto vlan\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/33\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/34\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/35\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/36\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/37\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/38\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/39\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/40\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/41\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/42\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/43\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/44\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/49\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/50\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/51\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/52\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/53\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/54\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/55\n! \n protocol lldp \n no
shutdown\n! \ninterface TenGigabitEthernet 0/56\n! \n protocol lldp \n no
shutdown\n! \ninterface ManagementEthernet 0/0\n ip address dhcp\n no
shutdown\n! \ninterface Port-channel 128\n no shutdown\n! \ninterface Vlan
1\n ip address dhcp\n no shutdown\n!\nsnmp-server community public ro \nsnmp-
server enable traps snmp linkdown linkup \nsnmp-server enable traps stack\n!
\n!\nclock timezone TZ-68 5 30 \n!\nfeature fip-snooping\nline console
0\nline vty 0\nline vty 1\nline vty 2\nline vty 3\nline vty 4\nline vty
5\nline vty 6\nline vty 7\nline vty 8\nline vty 9\n! \nuplink-state-group
1\n! \nreload-type\n boot-type normal-reload\n config-scr-download enable\n",
"ViewTypeId": 2
}
```

/api/TemplateService/Actions/TemplateService.Deploy

POST method for TemplateService.Deploy

This method creates a template-deployment job.

Description	Creates a template-deployment job.
Privilege	DEVICE_CONFIGURATION
HTTP response code	200

Example request body

```
{
    "Id" : <id>,
    "TargetIds" : [ <target-device-id>,... ],
```

```
    "Schedule" : {
        "RunNow" : <true-false>,
        "RunLater" : <true-false>,
        "Cron" : "<cron-string>",
        "StartTime" : "<start-time-string>",
        "EndTime" : "<end-time-string>"
    },
    "Attributes" : [
        {
            "DeviceId" : <device-id>,
            "Attributes" : [
                {
                    "Id" : <attribute-id>,
                    "Value" : "<string-value>",
                    "IsIgnored" : <true-false>
                }, ...
            ]
        },...
    ],
    "Options" : {
        "ShutdownType" : <shutdown-type>,
        "TimeToWaitBeforeShutdown" : <wait-secs>,
        "EndHostPowerState" : <end-power-state>,
        "PrecheckOnly" : <true-false>,
        "ContinueOnWarning" : <true-false>,
        "StrictCheckingVlan" : <true-false>
    },
    "NetworkBootIsoModel" : {
        "BootToNetwork" : <true-false>,
        "ShareType" : "<share-type>",
        "IsoPath” : "<iso-path>",
        "ShareDetail" : {
            "IpAddress" : "<share-ip-address>",
            "ShareName" : "<share-name>",
            "WorkGroup" : "<work-group-name>",
            "User" : "<share-user-name>",
            "Password" : "<share-password>"
        }
    }
}

The following is a sample payload for a Deploy Template request:
{
   "Id":29,
   "TargetIds":[8564,5364],
   "NetworkBootIsoModel":{
      "BootToNetwork":false,
      "ShareType":"CIFS",
      "ShareDetail":{

      }
   },
   "Attributes":[
      {
         "DeviceId":0,
         "Attributes":[
            {
               "Id":2536,
               "IsIgnored":true
            }
         ]
      }
   ],
   "Options":{
      "ShutdownType":0,
      "TimeToWaitBeforeShutdown":300,
      "EndHostPowerState":1
   }
}
```

Example response body

```
ID of created task
```

Deployment using Boot to ISO method

```
{
   "Id":9,
   "TargetIds":[
      "10135"
],
   "NetworkBootIsoModel":{
      "BootToNetwork":true,
      "ShareType":"CIFS",
      "IsoPath":"CentOS-8.1.1911-x86_64-boot.iso",
      "IsoTimeout":"1",
      "ShareDetail":{
         "IpAddress":"X.X.X.X",
         "ShareName":"cifs",
         "User":"Administrator",
         "Password":"passwd"
}
},
   "Attributes":[
],
   "Options":{
},
   "Schedule":{
      "RunNow":true,
      "RunLater":false
   }
}
```

POST method for TemplateService.Deploy of IOA deployment

This method creates an IOA template-deployment job.

Description Creates a IOA template-deployment job.

Privilege TEMPLATE_MANAGEMENT

HTTP response codes 200

Example request body

```
{
  "Id": 10,
  "TargetIds": [10173,10175],
  "Attributes": [
    {
      "DeviceId": "10173",
      "Attributes": [
        {
          "Id": 18968,
          "Value": "hostname-1",
          "IsIgnored": false
        }
      ]
    },
    {
      "DeviceId": "18968",
      "Attributes": [
        {
          "Id": 9000,
          "Value": "hostname-2",
          "IsIgnored": false
        }
      ]
    }
  ],
  "Options": {
    "ShutdownType": 0,
```

```
    "TimeToWaitBeforeShutdown": 300,
    "EndHostPowerState": 1,
    "PrecheckOnly": false,
    "ContinueOnWarning": true
  },
  "Schedule": {
    "RunNow": true,
    "RunLater": false
  }
}
```

/api/TemplateService/Actions/TemplateService.UpdateNetworkConfig

POST method for TemplateService.UpdateNetworkConfig

This method updates the network configuration parameters of a template.

Description	Updates the network configuration parameters of a template.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200
Example request body	

```
{
  "TemplateId": 10,
  "IdentityPoolId": 0,
  "BondingTechnology": "NoTeaming",
  "PropagateVlan": true,
  "StrictCheck": false,
  "Attributes":
   [
    {
      "Attributes": []
    }
  ],
  "VlanAttributes": [
    {
      "ComponentId": 56,
      "Untagged": 10218,
      "Tagged": [
        10219
      ],
      "IsNicBonded": false
    },
    {
      "ComponentId": 57,
      "Tagged": [],
      "IsNicBonded": false
    },
    {
      "ComponentId": 58,
      "Untagged": 10220,
      "Tagged": [
        10221
      ],
      "IsNicBonded": false
    },
    {
      "ComponentId": 55,
      "Tagged": [],
      "IsNicBonded": false
    }
  ]
```

```
}
```

Table 91. Attributes

Attribute name	Description
BondingTechnology	Possible values are: • NoTeaming • LACP • Other
PropagateVlan	Possible values are: • True • False

/api/TemplateService/Actions/TemplateService.RemoveBaseline

POST method for TemplateService.RemoveBaseline

Description This method removes the compliance baseline.

Privilege TEMPLATE_MANAGEMENT

HTTP response codes 200

Example request body

```
{
    "BaselineIds": [1,2,5..]
}
```

/api/TemplateService/Actions/TemplateService.Remediate

POST method for TemplateService.Remediate

Description This method ensures that the device is compliant to a baseline.

Privilege TEMPLATE_MANAGEMENT

HTTP response codes 200

Example request body

```
{
 "id": 1,
 "targetIds": [5864]
}
```

Identity pools

/api/IdentityPoolService/IdentityPools

This URI represents the identity pools.

GET method for IdentityPools

This method returns the details of all identity pools.

Description	Returns identity pools.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/
$metadata#Collection(IdentityPoolService.IdentityPool)",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#IdentityPoolService.IdentityPool",
      "@odata.id": "/api/IdentityPoolService/IdentityPools(1)",
      "Id": 1,
      "Name": "Pool 1",
      "Description": "This is Pool 1",
      "CreatedBy": "admin",
      "CreationTime": "2018-09-06 16:41:47.612624",
      "LastUpdatedBy": "admin",
      "LastUpdateTime": "2018-09-06 16:41:47.612624",
      "EthernetSettings":
      {
        "Mac":
        {
          "IdentityCount": 200,
          "StartingMacAddress": "EBAQEBAB"
        }
      },
      "IscsiSettings":
      {
        "Mac":
        {
          "IdentityCount": 220,
          "StartingMacAddress": "EhISEhIB"
        },
        "InitiatorConfig":
        {
          "IqnPrefix": "iqn.pool1."
        },
        "InitiatorIpPoolSettings":
        {
          "IpRange": "15.15.15.0/24",
          "SubnetMask": "255.255.255.0",
          "Gateway": null,
          "PrimaryDnsServer": null,
          "SecondaryDnsServer": null
        }
      },
      "FcoeSettings":
      {
        "Mac":
        {
          "IdentityCount": 240,
          "StartingMacAddress": "FBQUFBQB"
```

```
        }
      },
      "FcSettings":
      {
        "Wwnn":
        {
          "IdentityCount": 260,
          "StartingAddress": "IAAWFhYWFgE="
        },
        "Wwpn":
        {
          "IdentityCount": 260,
          "StartingAddress": "IAEWFhYWFgE="
        }
      },
      "UsageCounts":
      {
        "@odata.id": "/api/IdentityPoolService/IdentityPools(1)/UsageCounts"
      },
      "UsageIdentitySets@odata.navigationLink": "/api/IdentityPoolService/
IdentityPools(1)/UsageIdentitySets"
    },
    {
      "@odata.type": "#IdentityPoolService.IdentityPool",
      "@odata.id": "/api/IdentityPoolService/IdentityPools(10)",
      "Id": 10,
      "Name": "Sample Identity Pool",
      "Description": "This is a sample Identity Pool",
      "CreatedBy": "admin",
      "CreationTime": "2018-09-11 17:12:46.166658",
      "LastUpdatedBy": "admin",
      "LastUpdateTime": "2018-09-11 17:12:46.166658",
      "EthernetSettings":
      {
        "Mac":
        {
          "IdentityCount": 55,
          "StartingMacAddress": "UFBQUFAA"
        }
      },
      "IscsiSettings":
      {
        "Mac":
        {
          "IdentityCount": 65,
          "StartingMacAddress": "YGBgYGAA"
        },
        "InitiatorConfig":
        {
          "IqnPrefix": "iqn.myprefix."
        },
        "InitiatorIpPoolSettings":
        {
          "IpRange": "10.33.0.1-10.33.0.255",
          "SubnetMask": "255.255.255.0",
          "Gateway": "10.33.0.1",
          "PrimaryDnsServer": "10.33.0.15",
          "SecondaryDnsServer": "10.33.0.16"
        }
      },
      "FcoeSettings":
      {
        "Mac": {
          "IdentityCount": 75,
          "StartingMacAddress": "cHBwcHAA"
        }
      },
      "FcSettings":
      {
        "Wwnn":
        {
          "IdentityCount": 85,
```

```
          "StartingAddress": "IACAgICAgAA="
        },
        "Wwpn":
        {
          "IdentityCount": 85,
          "StartingAddress": "IAGAgICAgAA="
        }
      },
      "UsageCounts":
      {
        "@odata.id": "/api/IdentityPoolService/IdentityPools(10)/UsageCounts"
      },
      "UsageIdentitySets@odata.navigationLink": "/api/IdentityPoolService/
IdentityPools(10)/UsageIdentitySets"
    }
  ]
}
```


POST method for IdentityPools

This method creates an identity pool.

Description	Creates an identity pool.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body


```
{
  "Name":"New Identity Pool 4",
  "EthernetSettings":
  {
    "Mac":
    {
      "IdentityCount":55,
      "StartingMacAddress": "UFBQUFAA"
    }
  },
  "IscsiSettings":
  {
    "Mac":
    {
      "IdentityCount":65,
      "StartingMacAddress": "YGBgYGAA"
    },
    "InitiatorConfig":
    {
      "IqnPrefix":"Iqn.MyIqnPrefix"
    }
  },
  "FcoeSettings":
  {
    "Mac":
    {
      "IdentityCount":75,
      "StartingMacAddress": "cHBwcHAA"
    }
  },
  "FcSettings":
  {
    "Wwnn":
    {
      "IdentityCount":85,
      "StartingAddress": "IACAgICAgAA="
    },
    "Wwpn":
    {
      "IdentityCount":85,
```

```
      "StartingAddress": "IAGAgICAgAA="
    }
  }
}
```


/api/IdentityPoolService/IdentityPools(Id)

This URI represents a specific identity pool.

GET method for IdentityPools(Id)

This method returns the details of a specific identity pool.

Description	Returns a specific identity pool.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/$metadata#IdentityPoolService.IdentityPool/
$entity",
  "@odata.type": "#IdentityPoolService.IdentityPool",
  "@odata.id": "/api/IdentityPoolService/IdentityPools(4)",
  "Id": 4,
  "Name": "New Identity Pool 4",
  "Description": null,
  "CreatedBy": "admin",
  "CreationTime": "2018-09-13 15:45:37.83158",
  "LastUpdatedBy": "admin",
  "LastUpdateTime": "2018-09-13 15:45:37.83158",
  "EthernetSettings":
  {
    "Mac":
    {
      "IdentityCount": 55,
      "StartingMacAddress": "UFBQUFAA"
    }
  },
  "IscsiSettings":
  {
    "Mac":
    {
      "IdentityCount": 65,
      "StartingMacAddress": "YGBgYGAA"
    },
    "InitiatorConfig":
    {
      "IqnPrefix": "Iqn.MyIqnPrefix"
    },
    "InitiatorIpPoolSettings": null
  },
  "FcoeSettings":
  {
    "Mac":
    {
      "IdentityCount": 75,
      "StartingMacAddress": "cHBwcHAA"
    }
  },
  "FcSettings":
  {
    "Wwnn":
    {
```

```
      "IdentityCount": 85,
      "StartingAddress": "IACAgICAgAA="
    },
    "Wwpn":
    {
      "IdentityCount": 85,
      "StartingAddress": "IAGAgICAgAA="
    }
  },
  "UsageCounts":
  {
    "@odata.id": "/api/IdentityPoolService/IdentityPools(4)/UsageCounts"
  },
  "UsageIdentitySets@odata.navigationLink": "/api/IdentityPoolService/
IdentityPools(4)/UsageIdentitySets"
}
```

PUT method for IdentityPools(Id)

This method updates a specific identity pool.

Description	Updates an identity pool.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body

```
{
     "Id": 4,
     "Name": "New Identity Pool 4",
     "EthernetSettings":
  {
    "Mac":
    {
                "IdentityCount": 55,
                "StartingMacAddress": "UFBQUFAA"
          }
     },
     "IscsiSettings":
  {
          "Mac":
    {
                "IdentityCount": 65,
                "StartingMacAddress": "YGBgYGAA"
          },
          "InitiatorConfig":
    {
                "IqnPrefix": "Iqn.MyIqnPrefix"
          }
     },
     "FcoeSettings":
  {
          "Mac":
    {
                "IdentityCount": 75,
                "StartingMacAddress": "cHBwcHAA"
          }
     },
     "FcSettings":
  {
          "Wwnn":
    {
                "IdentityCount": 85,
                "StartingAddress": "IACAgICAgAA="
          },
          "Wwpn":
    {
                "IdentityCount": 85,
```

```
                "StartingAddress": "IAGAgICAgAA="
            }
        }
}
```

Table 92. Attributes

Attribute name	Description
ID	Iopool Id
Name	Name of the Iopool
Description	Definition for the Iopool
EthernetSettings- MAC	
IdentityCount	Number of Identities
Starting MAC address	Initial MAC Address
FcSettings	
WWPN	worldwide port names
IdentityCount	IdentityCount
Starting WWPN address	Initial WWPN Address
WWNN	worldwide Node names
Starting WWNN address	Initial WWNN Address

DELETE method for IdentityPools(Id)

This method deletes an identity pool.

Description	Deletes an identity pool.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	204

/api/IdentityPoolService/IdentityPools(Id)/UsageCounts

This URI represents the summary of the usage of identity pools.

GET method for UsageCounts

This method returns the summary of the usage of identity pools.

Description	Returns a summary of the usage of identity pools.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#IdentityPoolService.UsageCounts/$entity",
  "@odata.type": "#IdentityPoolService.UsageCounts",
  "@odata.id": "/api/IdentityPoolService/IdentityPools(4)/UsageCounts",
  "Counts":
  [
    {
```

```
      "IdentityTypeId": 9,
      "TotalRequested": 75,
      "TotalReserved": 0,
      "TotalDeployed": 0
    },
    {
      "IdentityTypeId": 10,
      "TotalRequested": 65,
      "TotalReserved": 0,
      "TotalDeployed": 0
    },
    {
      "IdentityTypeId": 8,
      "TotalRequested": 55,
      "TotalReserved": 42,
      "TotalDeployed": 0
    },
    {
      "IdentityTypeId": 3,
      "TotalRequested": 85,
      "TotalReserved": 3,
      "TotalDeployed": 0
    },
    {
      "IdentityTypeId": 4,
      "TotalRequested": 85,
      "TotalReserved": 3,
      "TotalDeployed": 0
    },
    {
      "IdentityTypeId": 7,
      "TotalRequested": 0,
      "TotalReserved": 14,
      "TotalDeployed": 0
    }
  ]
}
```


/api/IdentityPoolService/IdentityPools(Id)/UsageIdentitySets

This URI represents the usage identity sets.

GET method for UsageIdentitySets

This method returns usage identity sets. These sets represent the different protocols for which identity values get reserved.

Description	Returns the usage identity sets.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/
$metadata#Collection(IdentityPoolService.UsageIdentitySet)",
  "@odata.count": 4,
  "value":
  [
    {
      "@odata.type": "#IdentityPoolService.UsageIdentitySet",
      "@odata.id": "/api/IdentityPoolService/IdentityPools(4)/
UsageIdentitySets(1)",
      "IdentitySetId": 1,
      "Name": "Ethernet",
```

```
      "Details@odata.navigationLink": "/api/IdentityPoolService/
IdentityPools(4)/UsageIdentitySets(1)/Details"
    },
    {
      "@odata.type": "#IdentityPoolService.UsageIdentitySet",
      "@odata.id": "/api/IdentityPoolService/IdentityPools(4)/
UsageIdentitySets(2)",
      "IdentitySetId": 2,
      "Name": "iSCSI",
      "Details@odata.navigationLink": "/api/IdentityPoolService/
IdentityPools(4)/UsageIdentitySets(2)/Details"
    },
    {
      "@odata.type": "#IdentityPoolService.UsageIdentitySet",
      "@odata.id": "/api/IdentityPoolService/IdentityPools(4)/
UsageIdentitySets(3)",
      "IdentitySetId": 3,
      "Name": "FCoE",
      "Details@odata.navigationLink": "/api/IdentityPoolService/
IdentityPools(4)/UsageIdentitySets(3)/Details"
    },
    {
      "@odata.type": "#IdentityPoolService.UsageIdentitySet",
      "@odata.id": "/api/IdentityPoolService/IdentityPools(4)/
UsageIdentitySets(4)",
      "IdentitySetId": 4,
      "Name": "FC",
      "Details@odata.navigationLink": "/api/IdentityPoolService/
IdentityPools(4)/UsageIdentitySets(4)/Details"
    }
  ]
}
```


/api/IdentityPoolService/IdentityPools(Id)/UsageIdentitySets(Id)

This URI represents a specific usage identity set.

GET method for UsageIdentitySets(Id)

This method returns a specific usage identity set.

Description	Returns a usage identity set.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#IdentityPoolService.UsageIdentitySet/
$entity",
  "@odata.type": "#IdentityPoolService.UsageIdentitySet",
  "@odata.id": "/api/IdentityPoolService/IdentityPools(4)/
UsageIdentitySets(1)",
  "IdentitySetId": 1,
  "Name": "Ethernet",
  "Details@odata.navigationLink": "/api/IdentityPoolService/IdentityPools(4)/
UsageIdentitySets(1)/Details"
}
```

/api/IdentityPoolService/IdentityPools(Id)/UsageIdentitySets(Id)/Details

This URI represents usage details for a specific identity pool and identity set (protocol).

GET method for Details of UsageIdentitySets(Id)

This method returns the usage details for a specific identity pool and identity set or protocol.

NOTE:

- **To get the identifier for each available Identity Pool, use the API `/IdentityPoolService/IdentityPools`.**
- **To get the identifier for each identity set, use the API `/IdentityPoolService/IdentityPools(Id)/UsageIdentitySets`.**

Description	Returns the usage details for a specific identity pool and identity set.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/
$metadata#Collection(IdentityPoolService.UsageDetail)",
   "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#IdentityPoolService.UsageDetail",
      "TypeofDataSchemaFunction": 3,
      "IdentitySetId": 1,
      "Status": 2,
      "MacAddress": "10:10:10:10:10:22",
      "IscsiIqn": null,
      "IscsiInitiatorIp": null,
      "Wwnn": null,
      "Wwpn": null,
      "NicIdentifier": "NIC in Mezzanine 1A Port 2 Partition 1",
      "DeviceInfo":
      {
        "ChassisName": "MX-LCX",
        "SlotNumber": "7",
        "ServerName": "idrac-SRVC333",
        "ManagementIp": "10.215.2.134"
      }
    },
    {
      "@odata.type": "#IdentityPoolService.UsageDetail",
      "TypeofDataSchemaFunction": 3,
      "IdentitySetId": 1,
      "Status": 2,
      "MacAddress": "10:10:10:10:10:23",
      "IscsiIqn": null,
      "IscsiInitiatorIp": null,
      "Wwnn": null,
      "Wwpn": null,
      "NicIdentifier": "NIC in Mezzanine 1B Port 1 Partition 1",
      "DeviceInfo":
      {
        "ChassisName": "MX-LCX",
        "SlotNumber": "7",
        "ServerName": "idrac-SRVC333",
        "ManagementIp": "10.215.2.134"
      }
    }
```

```
  ]
}
```

/api/IdentityPoolService/IdentityStates

This URI represents the identity states for the identities in an identity pool.

GET method for IdentityStates

This method returns the identity states, such as Reserved and Assigned, for the identities in an identity pool.

Description	Returns identity states.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/
$metadata#Collection(IdentityPoolService.IdentityState)",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#IdentityPoolService.IdentityState",
      "@odata.id": "/api/IdentityPoolService/IdentityStates(1)",
      "Id": 1,
      "Name": "Reserved",
      "Description": "Assigned to a profile; deployment pending."
    },
    {
      "@odata.type": "#IdentityPoolService.IdentityState",
      "@odata.id": "/api/IdentityPoolService/IdentityStates(2)",
      "Id": 2,
      "Name": "Assigned",
      "Description": "Assigned to a profile and provisioned on device."
    }
  ]
}
```

/api/IdentityPoolService/IdentityStates(Id)

This URI represents a specific identity state.

GET method for IdentityStates(Id)

This method returns the details of a specific identity state.

Description	Returns a specific identity state.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#IdentityPoolService.IdentityState/
$entity",
  "@odata.type": "#IdentityPoolService.IdentityState",
  "@odata.id": "/api/IdentityPoolService/IdentityStates(1)",
  "Id": 1,
  "Name": "Reserved",
```

```
  "Description": "Assigned to a profile; deployment pending."
}
```

/api/IdentityPoolService/Actions/IdentityPoolService.DeleteIdentityPools

POST method for deleting identity pools

This method deletes identity pools.

Description	Deletes identity pools.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body

```
{
  "IdentityPoolIds":[1,3,4]
}
```

Network Configuration Service

This resource enables you to access the network service and perform network-related tasks. These tasks include viewing the logical networks and the network types, creating a new logical network, deleting a logical network, and so on.

Use the URIs in this resource to access the network service and the associated actions.

/api/NetworkConfigurationService/Networks

This URI represents the logical networks.

GET method for Networks

This method returns a list of available logical networks.

Description	Returns a list of available logical networks.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "/api/
$metadata#Collection(NetworkConfigurationService.Network)",
    "@odata.count": 3,
    "value": [
        {
            "@odata.type": "#NetworkConfigurationService.Network",
            "@odata.id": "/api/NetworkConfigurationService/Networks(10133)",
            "Id": 10133,
            "Name": "asd",
            "Description": "",
            "VlanMaximum": 2,
            "VlanMinimum": 2,
            "Type": 3,
```

```
            "CreatedBy": "system",
            "CreationTime": "1970-01-31 00:12:56.376",
            "UpdatedBy": null,
            "UpdatedTime": "1970-01-31 00:12:56.376",
            "InternalRefNWUUId": "00bc07d7-5d3c-429e-96a3-5c6600230851"
        },
        {
            "@odata.type": "#NetworkConfigurationService.Network",
            "@odata.id": "/api/NetworkConfigurationService/Networks(10134)",
            "Id": 10134,
            "Name": "Test",
            "Description": "test",
            "VlanMaximum": 1,
            "VlanMinimum": 1,
            "Type": 3,
            "CreatedBy": "system",
            "CreationTime": "1970-01-31 00:12:56.390",
            "UpdatedBy": null,
            "UpdatedTime": "1970-01-31 00:12:56.390",
            "InternalRefNWUUId": "5e74e25a-99db-41ce-ad9a-5bce07ba9094"
        },
        {
            "@odata.type": "#NetworkConfigurationService.Network",
            "@odata.id": "/api/NetworkConfigurationService/Networks(10135)",
            "Id": 10135,
            "Name": "se",
            "Description": "",
            "VlanMaximum": 10,
            "VlanMinimum": 10,
            "Type": 4,
            "CreatedBy": "system",
            "CreationTime": "1970-01-31 00:12:56.401",
            "UpdatedBy": null,
            "UpdatedTime": "1970-01-31 00:12:56.401",
            "InternalRefNWUUId": "8fc7c12f-780a-42db-96b1-830b8ef76335"
        }
    ]
}
```


Table 93. Attributes

Attribute name	Description
Id	Unique identifier of the network.
Name	Name of the network.
Description	Description of the network.
VlanMaximum	VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both *VlanMaximum* and *VlanMinimum*.
VlanMinimum	VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both *VlanMaximum* and *VlanMinimum*. **NOTE: To define a profile which is not in a range, the VlanMaximum and VlanMinimum need to be same.**
Type	Network profile definition type. For more information, see `/api/NetworkConfigurationService/NetworkTypes`.
CreatedBy	The user who created the network.
CreationTime	Date and time when the network was created.
UpdatedBy	The user who last updated the network.
UpdatedTime	Date and time when the network was last updated.

Table 93. Attributes (continued)

Attribute name	Description
Orderby	Order to apply to the output
InternalRefId	Reference ID used for internal purposes.

POST method for Networks

This method creates a network.

Description Creates a network.

Privilege TEMPLATE_MANAGEMENT

HTTP response codes 201

Example request body

```
{
  "Name": "abc-1",
  "Description": "abc",
  "VlanMaximum": 19,
  "VlanMinimum": 19,
  "Type": 1
}
```

Example response body

```
{
  "@odata.context": "/api/$metadata#NetworkConfigurationService.Network/
$entity",
  "@odata.id": "/api/NetworkConfigurationService/Networks(43614)",
  "Id": 43614,
  "Name": "abc-1",
  "Description": "abc",
  "VlanMaximum": 19,
  "VlanMinimum": 19,
  "Type": 1,
  "CreatedBy": "root",
  "CreationTime": "1970-01-01 02:02:15.797",
  "UpdatedBy": null,
  "UpdatedTime": "1970-01-01 02:02:15.797",
  "InternalRefNWUUId": 0
}
```

/api/NetworkConfigurationService/Networks(Id)

This URI represents a specific network within the collection.

GET method for Networks(Id)

This method returns the details of a specific network from the collection.

Description Returns the details of a specific network.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "/api/$metadata#NetworkConfigurationService.Network/
$entity",
  "@odata.id": "/api/NetworkConfigurationService/Networks(42214)",
```

```
  "Id": 42214,
  "Name": "Network-1",
  "Description": "abc",
  "VlanMaximum": 3,
  "VlanMinimum": 3,
  "Type": 1,
  "CreatedBy": "root",
  "CreationTime": "1970-01-01 01:01:48.181",
  "UpdatedBy": null,
  "UpdatedTime": "1970-01-01 01:01:48.181",
  "InternalRefNWUUId": 0
}
```


PUT method for Networks(Id)

This method updates an existing network.

Description	Updates a network.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body


```
{
  "Id": 43614,
  "Name": "abc-1",
  "Description": "abc-updated",
  "VlanMaximum": 22,
  "VlanMinimum": 19,
  "Type": 1
}
```


Example response body


```
{
  "Id": 43614,
  "Name": "abc-1",
  "Description": "abc-updated",
  "VlanMaximum": 22,
  "VlanMinimum": 19,
  "Type": 1,
  "CreatedBy": "root",
  "CreationTime": "1970-01-01 02:02:15.797",
  "UpdatedBy": "root",
  "UpdatedTime": "1970-01-01 02:02:15.797",
  "InternalRefNWUUId": 0
}
```


Table 94. Attributes

Attribute name	Description
ID	The identifier of the target network profile.
Name	Name of the network.
Description	Description of the network.
VlanMaximum	VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both *VlanMaximum* and *VlanMinimum*.
VlanMinimum	VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both *VlanMaximum* and *VlanMinimum*.

Table 94. Attributes (continued)

Attribute name	Description
	NOTE: To define a profile which is not in a range, the VlanMaximum and VlanMinimum need to be same.
Type	Network profile definition type. For more information, see `/api/NetworkConfigurationService/NetworkTypes`.

DELETE method for Networks(Id)

This method deletes a network from the system.

Description	Deletes a network.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	204

/api/NetworkConfigurationService/NetworkTypes

This URI represents the supported network types.

GET method for NetworkTypes

This method returns a list of the supported network types.

Description	Returns a list of network types.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkConfigurationService.NetworkType)",
  "@odata.count": 11,
  "value": [
    {
      "@odata.id": "/api/NetworkConfigurationService/NetworkTypes(1)",
      "Id": 1,
      "Name": "General Purpose (Bronze)",
      "Description": "This is the network for general purpose traffic. QOS
Priority : Bronze.",
      "VendorCode": "GeneralPurpose",
      "NetworkTrafficType": "Ethernet",
      "QosType": 4
    },
    .
    .
    {
      "@odata.id": "/api/NetworkConfigurationService/NetworkTypes(11)",
      "Id": 11,
      "Name": "VMWare FT Logging",
      "Description": "This is the network for VMware-specific Fault
tolerance logging.",
      "VendorCode": "VMFTLog",
      "NetworkTrafficType": "Ethernet",
      "QosType": 1
    }
  ]
}
```

Table 95. Attributes

Attribute name	Description
Id	ID of the network.
Name	Name of the network type.
Description	Description of the network type.
VendorCode	The vendor code for each network type.
NetworkTrafficType	Network traffic types. Possible values are **Ethernet** and **FCoE**.
QosType	The type of quality-of-service (QoS).

/api/NetworkConfigurationService/NetworkTypes(Id)

This URI represents a specific network type within the collection.

GET method for NetworkTypes(Id)

This method returns the details of a specific network type.

Description	Returns the details of a specific network type.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#NetworkConfigurationService.NetworkType/
$entity",
  "@odata.id": "/api/NetworkConfigurationService/NetworkTypes(1)",
  "Id": 1,
  "Name": "General Purpose (Bronze)",
  "Description": "This is the network for general purpose traffic. QOS
Priority : Bronze.",
  "VendorCode": "GeneralPurpose",
  "NetworkTrafficType": "Ethernet",
  "QosType": 4
}
```

/api/NetworkConfigurationService/QosTypes

This URI represents the types of Quality-of-Service (QoS) that the system supports.

GET method for QosTypes

This method returns the types of Quality-of-Service (QoS) that the system supports.

Description	Returns the supported QoS.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkConfigurationService.QosType)",
  "@odata.count": 4,
  "value": [
```

```
    {
      "@odata.id": "/api/NetworkConfigurationService/QosTypes(1)",
      "Id": 1,
      "Name": "Platinum"
    },
    .
    .
    {
      "@odata.id": "/api/NetworkConfigurationService/QosTypes(4)",
      "Id": 4,
      "Name": "Bronze"
    }
  ]
}
```

Table 96. Attributes

Attribute name	Description
Id	ID of the QoS type.
Name	Name of the QoS type.

/api/NetworkConfigurationService/QosTypes(Id)

This URI represents a specific QoS type within the collection.

GET method for QosTypes(Id)

This method returns a specific QoS type.

Description	Returns a specific QoS type.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context":  "/api/$metadata#NetworkConfigurationService.QosType/
$entity",
  "@odata.id": "/api/NetworkConfigurationService/QosTypes(1)",
  "Id": 1,
  "Name": "Platinum"
}
```

/api/NetworkConfigurationService/Actions/NetworkConfigurationService.RemoveNetworks

POST method for removing networks

This method deletes the specified networks from the system.

Description	Deletes the specified networks.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	204
Example request body	

```
{
```

```
  "NetworkIds": [42214,42314]
}
```

api/NetworkConfigurationService/Actions/NetworkConfigurationService.ImportVLANDefinitions

This URI imports all network profiles.

POST method for importing network profiles

This method imports all network profiles.

Description	Imports all network profiles.
Privilege	NETWORK_MANAGEMENT
HTTP response code	201

Example response body

```
[
    {
        "Name":"1",
        "Description": "d1",
        "VlanMinimum": 1,
        "VlanMaximum": 2,
        "Type": 1
    },{
        "Name":"2",
        "Description": "",
        "VlanMinimum": 399,
        "VlanMaximum": 400,
        "Type": 1
    },{
        "Name":"3",
        "Description": "",
        "VlanMinimum": 20,
        "VlanMaximum": 30,
        "Type": 1
    }
]
```

Table 97. Attributes

Attribute name	Description
Id	Unique identifier of the network.
Name	Name of the network.
Description	Description of the network.
VlanMaximum	VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both *VlanMaximum* and *VlanMinimum*.
VlanMinimum	VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both *VlanMaximum* and *VlanMinimum*. **NOTE: To define a profile which is not in a range, the VlanMaximum and VlanMinimum must be same.**
Type	Network profile definition type. For more information, see `/api/NetworkConfigurationService/NetworkTypes`.

api/NetworkConfigurationService/Actions/NetworkConfigurationService.ExportVLANDefinitions

This URI exports all network profiles.

POST method for exporting VLAN definitions

This method exports all network profiles.

Description	Exports all network profiles.
Privilege	VIEW
HTTP response code	201
Example response body	None

api/NetworkConfigurationService/Actions/NetworkConfigurationService.ValidateNetworkDefinitionFile

This URI validates the network profiles, which you want to import.

POST method for validating network profiles

This method validates the network profiles that you want to import.

Description	Validates the network profiles that you want to import.
Privilege	NETWORK_MANAGEMENT
HTTP response code	201
Example response body	

```
[
    {
        "Name":"1",
        "Description": "d1",
        "VlanMinimum": 1,
        "VlanMaximum": 2,
        "Type": 1
    },{
        "Name":"2",
        "Description": "",
        "VlanMinimum": 399,
        "VlanMaximum": 400,
        "Type": 1
    },{
        "Name":"3",
        "Description": "",
        "VlanMinimum": 20,
        "VlanMaximum": 30,
        "Type": 1
    }
]
```

Table 98. Attributes

Attribute name	Description
Id	Unique identifier of the network.

Table 98. Attributes (continued)

Attribute name	Description
Name	Name of the network.
Description	Description of the network.
VlanMaximum	VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both *VlanMaximum* and *VlanMinimum*.
VlanMinimum	VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both *VlanMaximum* and *VlanMinimum*. **NOTE: To define a profile which is not in a range, the VlanMaximum and VlanMinimum must be the same.**
Type	Network profile definition type. For more information, see `/api/NetworkConfigurationService/NetworkTypes`.

7

Devices

Topics:

- /api/DeviceService
- /api/DeviceService/Devices
- /api/DeviceService/Devices?$filter=Type eq 1000
- /api/DeviceService/Devices(Id)
- /api/DeviceService/Devices(Id)/InventoryDetails
- /api/DeviceService/Devices(Id)/InventoryDetails(InventoryType)
- /api/DeviceService/Devices(Id)/Settings('ReplicableChassisConfigurations')
- /api/DeviceService/Devices(Device_ID)/Settings('LocalAccessConfiguration')
- /api/DeviceService/Devices(Id)/HardwareLogs
- /api/DeviceService/Devices(Id)/SubSystemHealth
- /api/DeviceService/Devices(Id)/RecentActivity
- /api/DeviceService/Devices(Id)/InventoryTypes
- /api/DeviceService/Devices(Id)/LogSeverities
- /api/DeviceService/Devices(Id)/Settings
- /api/DeviceService/Devices(Id)/Settings('Type')
- /api/DeviceService/Devices(Id)/Temperature
- /api/DeviceService/Devices(Id)/BlinkStatus
- /api/DeviceService/Devices(Id)/PowerUsageByDevice
- /api/DeviceService/Devices(Id)/DeviceBladeSlots
- /api/DeviceService/Devices(Id)/GraphicInfo
- /api/DeviceService/Devices(Id)/DeployRequired
- /api/DeviceService/Devices(Id)/SystemUpTime
- /api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.UploadFSDCertificate
- /api/DeviceService/PowerStates
- /api/DeviceService/DeviceStatuses
- /api/DeviceService/DeviceType
- /api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.SetTermState
- /api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.GetTermState
- /api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.GetComputeIPs
- /api/DeviceService/DeviceSummary
- /api/DeviceService/DeviceSummary(Type)
- api/DeviceService/Actions/DeviceService.DevicesPrivilegesAction
- /api/DeviceService/Actions/DeviceService.DevicesByPrivilegesAction
- /api/DeviceService/Actions/DeviceService.ExecuteAction
- /api/DeviceService/DeviceSlotType
- /api/DeviceService/DeviceSettingsMetadata
- /api/DeviceService/GlobalExcludes
- /api/DeviceService/Actions/DeviceService.AddNetworkRange
- /api/DeviceService/Actions/DeviceService.EditNetworkRange
- /api/DeviceService/Actions/DeviceService.RemoveFromExclusion
- /api/DeviceService/Actions/DeviceService.ValidateExcludes
- /api/DeviceService/Actions/DeviceService.RemoveDevices

/api/DeviceService

This URI represents the device services.

GET method for DeviceService

This method returns a list of all the device services.

Description	Returns a list of device services.
Privilege	VIEW
HTTP response codes	200
Example Response Body	


```
{
"@odata.context": "/api/$metadata#DeviceService.DeviceService",
"@odata.type": "#DeviceService.DeviceService",
"@odata.id": "/api/DeviceService",
"Actions": null,
"Devices@odata.navigationLink": "/api/DeviceService/Devices",
"DeviceStatuses@odata.navigationLink": "/api/DeviceService/DeviceStatuses",
"DeviceType@odata.navigationLink": "/api/DeviceService/DeviceType",
"PowerStates@odata.navigationLink": "/api/DeviceService/PowerStates",
"DeviceSummary@odata.navigationLink": "/api/DeviceService/DeviceSummary",
"DeviceSlotType@odata.navigationLink": "/api/DeviceService/DeviceSlotType",
"DeviceSettingsMetadata@odata.navigationLink": "/api/DeviceService/
DeviceSettingsMetadata",
"DeviceModelsByType@odata.navigationLink": "/api/DeviceService/
DeviceModelsByType"
}
```


/api/DeviceService/Devices

This URI represents the devices.

GET method for Devices

This method returns a list of all the devices.

Description	Returns a list of all the devices.
Privilege	VIEW
HTTP response codes	200
Example Response Body	


```
{
"@odata.context": "/api/$metadata#Collection(DeviceService.Device)",
"@odata.count": 15,
"value":[
{
"@odata.type": "#DeviceService.Device",
"@odata.id": "/api/DeviceService/Devices(10076)",
"Id": 10076,
"Type": 8000,
"Identifier": "0G16RFCP007BN00BA",
"DeviceServiceTag": null,
"ChassisServiceTag": "7BU0772",
"Model": "PowerEdge MX5000s",
"PowerState": 17,
"ManagedState": 3000,
"Status": 1000,
"ConnectionState": true,
```

```
"AssetTag": "12345678910",
"SystemId": 2031,
"DeviceName": "IOM-C1",
"LastInventoryTime": "2019-09-06 06:30:11.936",
"LastStatusTime": "2019-09-06 06:30:06.794",
"DeviceSubscription": null,
"DeviceCapabilities":[1, 802, 2, 18, 3, 803, 804, 5, 7, 8, 9],
"SlotConfiguration":{"ChassisName": "MX-7BU0772", "ChassisId": "10069",
"SlotNumber": "5", "SledBlockPowerOn": "null",…},
"DeviceManagement":[],
"Actions": null,
"InventoryDetails@odata.navigationLink": "/api/DeviceService/Devices(10076)/
InventoryDetails",
"HardwareLogs@odata.navigationLink": "/api/DeviceService/Devices(10076)/
HardwareLogs",
"SubSystemHealth@odata.navigationLink": "/api/DeviceService/Devices(10076)/
SubSystemHealth",
"RecentActivity@odata.navigationLink": "/api/DeviceService/Devices(10076)/
RecentActivity",
"InventoryTypes":{"@odata.id": "/api/DeviceService/Devices(10076)/
InventoryTypes"},
"LogSeverities":{"@odata.id": "/api/DeviceService/Devices(10076)/
LogSeverities"},
"Settings@odata.navigationLink": "/api/DeviceService/Devices(10076)/
Settings",
"Temperature":{"@odata.id": "/api/DeviceService/Devices(10076)/Temperature"},
"Power":{"@odata.id": "/api/DeviceService/Devices(10076)/Power"},
"SystemUpTime":{"@odata.id": "/api/DeviceService/Devices(10076)/
SystemUpTime"},
"BlinkStatus":{"@odata.id": "/api/DeviceService/Devices(10076)/BlinkStatus"},
"PowerUsageByDevice@odata.navigationLink": "/api/DeviceService/
Devices(10076)/PowerUsageByDevice",
"DeviceBladeSlots@odata.navigationLink": "/api/DeviceService/Devices(10076)/
DeviceBladeSlots",
"GraphicInfo":{"@odata.id": "/api/DeviceService/Devices(10076)/GraphicInfo"},
"DeployRequired":{"@odata.id": "/api/DeviceService/Devices(10076)/
DeployRequired"}
},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10078)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10071)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10072)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10074)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10067)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10073)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10066)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10070)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10069)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10068)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10064)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10077)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10278)",…},
{"@odata.type": "#DeviceService.Device", "@odata.id": "/api/DeviceService/
Devices(10281)",…}
]
}
```


NOTE: The devices order is not guaranteed for multiple device API calls. Use the Order By, based on the identifier to get the list of unique devices. For example: use the API, `api/`

`DeviceService/Devices?$orderby=Identifier&$top=50&$skip=0`, to select the first 50 devices.

/api/DeviceService/Devices?$filter=Type eq 1000

This URI gets a collection of devices with filter.

GET method for device filter

This method gets a collection of devices.

Description

Gets devices using the following filter options:

- Top
- Skip
- Type
- Identifier
- ChassisServiceTag
- Model
- PowerState
- Status
- SystemID
- DeviceName
- DeviceManagement
- NetworkAddress
- ChassisName

Privilege

VIEW

HTTP Response Code

200

Example response body


```
{
    "@odata.context": "/api/$metadata#Collection(DeviceService.Device)",
    "@odata.count": 3,
    "value": [
        {
            "@odata.type": "#DeviceService.Device",
            "@odata.id": "/api/DeviceService/Devices(10074)",
            "Id": 10074,
            "Type": 1000,
            "Identifier": "GMGR064",
            "DeviceServiceTag": "GMGR064",
            "ChassisServiceTag": "GMGR064",
            "Model": "PowerEdge R840",
            "PowerState": 17,
            "ManagedState": 3000,
            "Status": 1000,
           "ConnectionState": true,
            "AssetTag": null,
            "SystemId": 2044,
            "DeviceName": "WIN-02GODDHDJTC",
            "LastInventoryTime": "2019-12-02 16:01:33.903",
            "LastStatusTime": null,
            "DeviceSubscription": null,
            "DeviceCapabilities": [
                1,
                2,
                3,
                4,
                5,
                6,
                7,
```

```
                8,
                9,
                41,
                11,
                12,
                13,
                14,
                15,
                1009,
                17,
                50,
                18,
                30,
                31
            ],
            "SlotConfiguration": {
                "ChassisName": null
            },
            "DeviceManagement": [
                {
                    "ManagementId": 5002,
                    "NetworkAddress": "XX.XX.X.XX",
                    "MacAddress": "58:8a:5a:ee:01:6e",
                    "ManagementType": 2,
                    "InstrumentationName": "WIN-02GODDHDJTC",
                    "DnsName": "idrac-gmgr064.smd.devops.dell.com",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5002,
                            "ManagementId": 5002,
                            "AgentName": "iDRAC",
                            "Version": "3.30.30.30",
                            "ManagementURL": "https://XX.XX.X.XX:XXX",
                            "HasCreds": 0,
                            "Status": 1000,
                            "StatusDateTime": "2019-12-02 16:00:49.525"
                        }
                    ]
                }
            ],
            "Actions": null,
            "SensorHealth@odata.navigationLink": "/api/DeviceService/
Devices(10074)/SensorHealth",
            "VirtualSession": {
                "@odata.id": "/api/DeviceService/Devices(10074)/
VirtualSession"
            },
            "Baselines": {
                "@odata.id": "/api/DeviceService/Devices(10074)/Baselines"
            },
            "InventoryDetails@odata.navigationLink": "/api/DeviceService/
Devices(10074)/InventoryDetails",
            "HardwareLogs@odata.navigationLink": "/api/DeviceService/
Devices(10074)/HardwareLogs",
            "SubSystemHealth@odata.navigationLink": "/api/DeviceService/
Devices(10074)/SubSystemHealth",
            "RecentActivity@odata.navigationLink": "/api/DeviceService/
Devices(10074)/RecentActivity",
            "InventoryTypes": {
                "@odata.id": "/api/DeviceService/Devices(10074)/
InventoryTypes"
            },
            "LogSeverities": {
                "@odata.id": "/api/DeviceService/Devices(10074)/
LogSeverities"
            },
            "Settings@odata.navigationLink": "/api/DeviceService/
Devices(10074)/Settings",
            "Temperature": {
                "@odata.id": "/api/DeviceService/Devices(10074)/Temperature"
            },
            "Power": {
```

```
                "@odata.id": "/api/DeviceService/Devices(10074)/Power"
            },
            "SystemUpTime": {
                "@odata.id": "/api/DeviceService/Devices(10074)/SystemUpTime"
            },
            "BlinkStatus": {
                "@odata.id": "/api/DeviceService/Devices(10074)/BlinkStatus"
            },
            "PowerUsageByDevice@odata.navigationLink": "/api/DeviceService/
Devices(10074)/PowerUsageByDevice",
            "DeviceBladeSlots@odata.navigationLink": "/api/DeviceService/
Devices(10074)/DeviceBladeSlots",
            "GraphicInfo": {
                "@odata.id": "/api/DeviceService/Devices(10074)/GraphicInfo"
            },
            "DeployRequired": {
                "@odata.id": "/api/DeviceService/Devices(10074)/
DeployRequired"
            }
        },
        {
            "@odata.type": "#DeviceService.Device",
            "@odata.id": "/api/DeviceService/Devices(10079)",
            "Id": 10079,
            "Type": 1000,
            "Identifier": "GMGR075",
            "DeviceServiceTag": "GMGR075",
            "ChassisServiceTag": "GMGR075",
            "Model": "PowerEdge R840",
            "PowerState": 17,
            "ManagedState": 3000,
            "Status": 1000,
            "ConnectionState": true,
            "AssetTag": null,
            "SystemId": 2044,
            "DeviceName": "WIN-02GODDHDJTC",
            "LastInventoryTime": "2019-12-02 16:01:50.684",
            "LastStatusTime": null,
            "DeviceSubscription": null,
            "DeviceCapabilities": [
                1,
                2,
                3,
                4,
                5,
                6,
                7,
                8,
                9,
                41,
                11,
                12,
                13,
                14,
                15,
                1009,
                17,
                50,
                18,
                30,
                31
            ],
            "SlotConfiguration": {
                "ChassisName": null
            },
            "DeviceManagement": [
                {
                    "ManagementId": 5012,
                    "NetworkAddress": "XX.XX.X.XX",
                    "MacAddress": "50:9a:4c:b2:f6:16",
                    "ManagementType": 2,
                    "InstrumentationName": "WIN-02GODDHDJTC",
```

```
                    "DnsName": "idrac-gmgr075.smd.devops.dell.com",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5012,
                            "ManagementId": 5012,
                            "AgentName": "iDRAC",
                            "Version": "3.36.36.36",
                            "ManagementURL": "https://XX.XX.X.XX:XXX",
                            "HasCreds": 0,
                            "Status": 1000,
                            "StatusDateTime": "2019-12-02 16:00:58.651"
                        }
                    ]
                }
            ],
            "Actions": null,
            "SensorHealth@odata.navigationLink": "/api/DeviceService/
Devices(10079)/SensorHealth",
            "VirtualSession": {
                "@odata.id": "/api/DeviceService/Devices(10079)/
VirtualSession"
            },
            "Baselines": {
                "@odata.id": "/api/DeviceService/Devices(10079)/Baselines"
            },
            "InventoryDetails@odata.navigationLink": "/api/DeviceService/
Devices(10079)/InventoryDetails",
            "HardwareLogs@odata.navigationLink": "/api/DeviceService/
Devices(10079)/HardwareLogs",
            "SubSystemHealth@odata.navigationLink": "/api/DeviceService/
Devices(10079)/SubSystemHealth",
            "RecentActivity@odata.navigationLink": "/api/DeviceService/
Devices(10079)/RecentActivity",
            "InventoryTypes": {
                "@odata.id": "/api/DeviceService/Devices(10079)/
InventoryTypes"
            },
            "LogSeverities": {
                "@odata.id": "/api/DeviceService/Devices(10079)/
LogSeverities"
            },
            "Settings@odata.navigationLink": "/api/DeviceService/
Devices(10079)/Settings",
            "Temperature": {
                "@odata.id": "/api/DeviceService/Devices(10079)/Temperature"
            },
            "Power": {
                "@odata.id": "/api/DeviceService/Devices(10079)/Power"
            },
            "SystemUpTime": {
                "@odata.id": "/api/DeviceService/Devices(10079)/SystemUpTime"
            },
            "BlinkStatus": {
                "@odata.id": "/api/DeviceService/Devices(10079)/BlinkStatus"
            },
            "PowerUsageByDevice@odata.navigationLink": "/api/DeviceService/
Devices(10079)/PowerUsageByDevice",
            "DeviceBladeSlots@odata.navigationLink": "/api/DeviceService/
Devices(10079)/DeviceBladeSlots",
            "GraphicInfo": {
                "@odata.id": "/api/DeviceService/Devices(10079)/GraphicInfo"
            },
            "DeployRequired": {
                "@odata.id": "/api/DeviceService/Devices(10079)/
DeployRequired"
            }
        },
        {
            "@odata.type": "#DeviceService.Device",
            "@odata.id": "/api/DeviceService/Devices(10085)",
            "Id": 10085,
            "Type": 1000,
```

```
            "Identifier": null,
            "DeviceServiceTag": null,
            "ChassisServiceTag": "",
            "Model": "unknown",
            "PowerState": 17,
            "ManagedState": 3000,
            "Status": 1000,
            "ConnectionState": true,
            "AssetTag": null,
            "SystemId": 0,
            "DeviceName": "10.35.0.95",
            "LastInventoryTime": "2019-12-02 16:02:51.702",
            "LastStatusTime": null,
            "DeviceSubscription": null,
            "DeviceCapabilities": [
                1,
                2,
                3,
                4,
                5,
                6,
                7,
                8,
                9,
                41,
                11,
                12,
                13,
                14,
                15,
                1009,
                17,
                50,
                18,
                30,
                31
            ],
            "SlotConfiguration": {
                "ChassisName": null
            },
            "DeviceManagement": [
                {
                    "ManagementId": 5028,
                    "NetworkAddress": "XX.XX.X.XX",
                    "MacAddress": "84:7b:eb:d6:6c:1e",
                    "ManagementType": 2,
                    "InstrumentationName": "idrac-SVCTAG",
                    "DnsName": "idrac-svctag.smd.devops.dell.com.",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5028,
                            "ManagementId": 5028,
                            "AgentName": "iDRAC",
                            "Version": "3.30.30.30",
                            "ManagementURL": "https://XX.XX.X.XX:XXX",
                            "HasCreds": 0,
                            "Status": 1000,
                            "StatusDateTime": "2019-12-02 16:01:47.786"
                        }
                    ]
                }
            ],
            "Actions": null,
            "SensorHealth@odata.navigationLink": "/api/DeviceService/
Devices(10085)/SensorHealth",
            "VirtualSession": {
                "@odata.id": "/api/DeviceService/Devices(10085)/
VirtualSession"
            },
            "Baselines": {
                "@odata.id": "/api/DeviceService/Devices(10085)/Baselines"
            },
```

```
            "InventoryDetails@odata.navigationLink": "/api/DeviceService/
Devices(10085)/InventoryDetails",
            "HardwareLogs@odata.navigationLink": "/api/DeviceService/
Devices(10085)/HardwareLogs",
            "SubSystemHealth@odata.navigationLink": "/api/DeviceService/
Devices(10085)/SubSystemHealth",
            "RecentActivity@odata.navigationLink": "/api/DeviceService/
Devices(10085)/RecentActivity",
            "InventoryTypes": {
                "@odata.id": "/api/DeviceService/Devices(10085)/
InventoryTypes"
            },
            "LogSeverities": {
                "@odata.id": "/api/DeviceService/Devices(10085)/
LogSeverities"
            },
            "Settings@odata.navigationLink": "/api/DeviceService/
Devices(10085)/Settings",
            "Temperature": {
                "@odata.id": "/api/DeviceService/Devices(10085)/Temperature"
            },
            "Power": {
                "@odata.id": "/api/DeviceService/Devices(10085)/Power"
            },
            "SystemUpTime": {
                "@odata.id": "/api/DeviceService/Devices(10085)/SystemUpTime"
            },
            "BlinkStatus": {
                "@odata.id": "/api/DeviceService/Devices(10085)/BlinkStatus"
            },
            "PowerUsageByDevice@odata.navigationLink": "/api/DeviceService/
Devices(10085)/PowerUsageByDevice",
            "DeviceBladeSlots@odata.navigationLink": "/api/DeviceService/
Devices(10085)/DeviceBladeSlots",
            "GraphicInfo": {
                "@odata.id": "/api/DeviceService/Devices(10085)/GraphicInfo"
            },
            "DeployRequired": {
                "@odata.id": "/api/DeviceService/Devices(10085)/
DeployRequired"
            }
        }
    ]
}
```


/api/DeviceService/Devices(Id)

This URI represents a specific device within the collection.

GET method for Devices(Id)

This method returns the details of a specific device.

Description	Returns the details of a specific device.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
"@odata.context": "/api/$metadata#DeviceService.Device",
"@odata.type": "#DeviceService.Device",
"@odata.id": "/api/DeviceService/Devices(10053)",
"Id": 10053,
"Type": 2000,
```

```
"Identifier": "MX70005",
"DeviceServiceTag": "MX70005",
"ChassisServiceTag": null,
"Model": "PowerEdge MX7000",
"PowerState": 17,
"ManagedState": 3000,
"Status": 1000,
"ConnectionState": true,
"AssetTag": null,
"SystemId": 2031,
"DeviceName": "MX-MX70005",
"LastInventoryTime": "2019-09-06 06:42:47.989",
"LastStatusTime": "2019-09-06 06:43:01.002",
"DeviceSubscription":{
"Id": 1,
"SubscriptionId": "d4354b17-0e36-4e71-a18d-be3a4f365886",
"IsValid": true,
"InactiveDuration": null
},
"DeviceCapabilities":[
18,
8,
201,
202
],
"SlotConfiguration":{
"ChassisName": null
},
"DeviceManagement":[
{
"ManagementId": 5484,
"NetworkAddress": "100.97.211.95",
"MacAddress": "D0:94:66:91:98:4C",
"ManagementType": 2,
"InstrumentationName": "MX-MX70005",
"DnsName": "",
"ManagementProfile":[
{
"ManagementProfileId": 5484,
"ProfileId": "OME-Modular_BASE",
"ManagementId": 5484,
"ManagementURL": "https://100.97.211.95:443",
"HasCreds": 0,
"Status": 1000,
"StatusDateTime": "2019-09-06 06:42:47.989"
}
]
}
],
"Actions": null,
"DeviceSpecificData":{
"powerRedundancy": "No Redundancy",
"expressservicecode": "49896352517",
"servicetag": "MX70005",
"faceplatePower": 11571,
"dnsname": "",
"location": "",
"hardwareVersion": "",
"powercapacity": "Disabled"
},
"InventoryDetails@odata.navigationLink": "/api/DeviceService/Devices(10053)/
InventoryDetails",
"HardwareLogs@odata.navigationLink": "/api/DeviceService/Devices(10053)/
HardwareLogs",
"SubSystemHealth@odata.navigationLink": "/api/DeviceService/Devices(10053)/
SubSystemHealth",
"RecentActivity@odata.navigationLink": "/api/DeviceService/Devices(10053)/
RecentActivity",
"InventoryTypes":{
"@odata.id": "/api/DeviceService/Devices(10053)/InventoryTypes"
},
"LogSeverities":{
```

```
"@odata.id": "/api/DeviceService/Devices(10053)/LogSeverities"
},
"Settings@odata.navigationLink": "/api/DeviceService/Devices(10053)/
Settings",
"Temperature":{
"@odata.id": "/api/DeviceService/Devices(10053)/Temperature"
},
"Power":{
"@odata.id": "/api/DeviceService/Devices(10053)/Power"
},
"SystemUpTime":{
"@odata.id": "/api/DeviceService/Devices(10053)/SystemUpTime"
},
"BlinkStatus":{
"@odata.id": "/api/DeviceService/Devices(10053)/BlinkStatus"
},
"PowerUsageByDevice@odata.navigationLink": "/api/DeviceService/
Devices(10053)/PowerUsageByDevice",
"DeviceBladeSlots@odata.navigationLink": "/api/DeviceService/Devices(10053)/
DeviceBladeSlots",
"GraphicInfo":{
"@odata.id": "/api/DeviceService/Devices(10053)/GraphicInfo"
},
"DeployRequired":{
"@odata.id": "/api/DeviceService/Devices(10053)/DeployRequired"
}
}
```


NOTE: **The attributes values may be displayed as blank, based on the device supportability.**

/api/DeviceService/Devices(Id)/InventoryDetails

This URI represents the inventory details of a specific device.

GET method for InventoryDetails

This method returns the inventory details of a specific device.

Description	Returns the inventory details of a specific device.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
    "@odata.context": "$metadata#Collection(DeviceService.InventoryDetail)",
    "@odata.count": 18,
    "value": [
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverDeviceCards')",
            "InventoryType": "serverDeviceCards",
            "InventoryInfo": [
                {
                    "Id": 127,
                    "SlotNumber": "SMBus.Embedded.3-1",
                    "Manufacturer": "Intel Corporation",
                    "Description": "Lewisburg SMBus",
                    "DatabusWidth": "Unknown",
                    "SlotLength": "Unknown",
                    "SlotType": "Unknown"
                },
                {
                    "Id": 128,
                    "SlotNumber": "P2PBridge.Embedded.1-1",
```

```
                    "Manufacturer": "Intel Corporation",
                    "Description": "Lewisburg PCI Express Root Port #1",
                    "DatabusWidth": "Unknown",
                    "SlotLength": "Unknown",
                    "SlotType": "Unknown"
                },
                {
                    "Id": 129,
                    "SlotNumber": "HostBridge.Embedded.1-1",
                    "Manufacturer": "Intel Corporation",
                    "Description": "Intel Corporation",
                    "DatabusWidth": "Unknown",
                    "SlotLength": "Unknown",
                    "SlotType": "Unknown"
                },
                {
                    "Id": 130,
                    "SlotNumber": "Video.Embedded.1-1",
                    "Manufacturer": "Matrox Electronics Systems Ltd.",
                    "Description": "Matrox Electronics Systems Ltd.",
                    "DatabusWidth": "Unknown",
                    "SlotLength": "Unknown",
                    "SlotType": "Unknown"
                },
                {
                    "Id": 131,
                    "SlotNumber": "ISABridge.Embedded.1-1",
                    "Manufacturer": "Intel Corporation",
                    "Description": "Lewisburg LPC Controller",
                    "DatabusWidth": "Unknown",
                    "SlotLength": "Unknown",
                    "SlotType": "Unknown"
                },
                {
                    "Id": 132,
                    "SlotNumber": "AHCI.Embedded.1-1",
                    "Manufacturer": "Intel Corporation",
                    "Description": "Lewisburg SSATA Controller [AHCI mode]",
                    "DatabusWidth": "Unknown",
                    "SlotLength": "Unknown",
                    "SlotType": "Unknown"
                },
                {
                    "Id": 133,
                    "SlotNumber": "P2PBridge.Embedded.2-1",
                    "Manufacturer": "Intel Corporation",
                    "Description": "Lewisburg PCI Express Root Port #5",
                    "DatabusWidth": "Unknown",
                    "SlotLength": "Unknown",
                    "SlotType": "Unknown"
                },
                {
                    "Id": 134,
                    "SlotNumber": "AHCI.Embedded.2-1",
                    "Manufacturer": "Intel Corporation",
                    "Description": "Lewisburg SATA Controller [AHCI mode]",
                    "DatabusWidth": "Unknown",
                    "SlotLength": "Unknown",
                    "SlotType": "Unknown"
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverProcessors')",
            "InventoryType": "serverProcessors",
            "InventoryInfo": [
                {
                    "Id": 28,
                    "Family": "Intel(R) Xeon(TM)",
                    "MaxSpeed": 4000,
                    "CurrentSpeed": 1600,
```

```
                    "SlotNumber": "CPU.Socket.1",
                    "Status": 2000,
                    "NumberOfCores": 8,
                    "NumberOfEnabledCores": 8,
                    "BrandName": "Intel",
                    "ModelName": "Genuine Intel(R) CPU 0000%@",
                    "InstanceId": "CPU.Socket.1",
                    "Voltage": "1.8"
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverNetworkInterfaces')",
            "InventoryType": "serverNetworkInterfaces",
            "InventoryInfo": []
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverOperatingSystems')",
            "InventoryType": "serverOperatingSystems",
            "InventoryInfo": [
                {
                    "Id": 19,
                    "Hostname": "WIN-02GODDHDJTC"
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverVirtualFlashes')",
            "InventoryType": "serverVirtualFlashes",
            "InventoryInfo": []
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverPowerSupplies')",
            "InventoryType": "serverPowerSupplies",
            "InventoryInfo": []
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverArrayDisks')",
            "InventoryType": "serverArrayDisks",
            "InventoryInfo": [
                {
                    "Id": 10,
                    "DeviceId": 0,
                    "DiskNumber": "Disk 0 on Embedded AHCI Controller 2",
                    "VendorName": "SEAGATE",
                    "Status": 2000,
                    "StatusString": "Unknown",
                    "ModelNumber": "ST1000NX0423",
                    "SerialNumber": "S47171Y1",
                    "Revision": "NA03",
                    "EnclosureId": "Disk 0 on Embedded AHCI Controller 2",
                    "Channel": 0,
                    "Size": "931.52 GB",
                    "FreeSpace": "0 bytes",
                    "UsedSpace": "0 bytes",
                    "BusType": "SATA",
                    "SlotNumber": 0,
                    "MediaType": "Magnetic Drive",
                    "RemainingReadWriteEndurance": "255",
                    "SecurityState": "Not Capable"
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverRaidControllers')",
            "InventoryType": "serverRaidControllers",
```

```
            "InventoryInfo": [
                {
                    "Id": 20,
                    "DeviceId": 0,
                    "Name": "Lewisburg SATA Controller [AHCI mode]",
                    "Fqdd": "AHCI.Embedded.2-1",
                    "Status": 2000,
                    "StatusTypeString": "UNKNOWN",
                    "RollupStatus": 2000,
                    "RollupStatusString": "UNKNOWN",
                    "CacheSizeInMb": 0,
                    "PciSlot": 0
                },
                {
                    "Id": 19,
                    "DeviceId": 0,
                    "Name": "Lewisburg SSATA Controller [AHCI mode]",
                    "Fqdd": "AHCI.Embedded.1-1",
                    "Status": 2000,
                    "StatusTypeString": "UNKNOWN",
                    "RollupStatus": 2000,
                    "RollupStatusString": "UNKNOWN",
                    "CacheSizeInMb": 0,
                    "PciSlot": 0
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverMemoryDevices')",
            "InventoryType": "serverMemoryDevices",
            "InventoryInfo": [
                {
                    "Id": 19,
                    "Name": "DIMM.Socket.A1",
                    "BankName": "A",
                    "Size": 8192,
                    "Status": 2000,
                    "Manufacturer": "Micron Technology",
                    "PartNumber": "9ASF1G72PZ-2G6D1",
                    "SerialNumber": "1446F14C",
                    "TypeDetails": "DDR4 DIMM",
                    "ManufacturerDate": "Mon Oct 17 07:00:00 2016 UTC",
                    "Speed": 2666,
                    "CurrentOperatingSpeed": 2133,
                    "Rank": "Single Rank",
                    "InstanceId": "DIMM.Socket.A1",
                    "DeviceDescription": "DIMM A1"
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverStorageEnclosures')",
            "InventoryType": "serverStorageEnclosures",
            "InventoryInfo": []
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('serverSupportedPowerStates')",
            "InventoryType": "serverSupportedPowerStates",
            "InventoryInfo": [
                {
                    "Id": 109,
                    "PowerState": 2
                },
                {
                    "Id": 110,
                    "PowerState": 5
                },
                {
                    "Id": 111,
```

```
                    "PowerState": 8
                },
                {
                    "Id": 112,
                    "PowerState": 10
                },
                {
                    "Id": 113,
                    "PowerState": 11
                },
                {
                    "Id": 114,
                    "PowerState": 12
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('deviceLicense')",
            "InventoryType": "deviceLicense",
            "InventoryInfo": [
                {
                    "SoldDate": "2016-06-12 14:48:13.000",
                    "LicenseBound": 4,
                    "EvalTimeRemaining": 0,
                    "AssignedDevices": "iDRAC.Embedded.1",
                    "LicenseStatus": 3000,
                    "EntitlementId": "PX1234567",
                    "LicenseDescription": "iDRAC9 Enterprise License",
                    "LicenseType": {
                        "Name": "Perpetual",
                        "LicenseId": 1
                    }
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('deviceCapabilities')",
            "InventoryType": "deviceCapabilities",
            "InventoryInfo": [
                {
                    "Id": 366,
                    "CapabilityType": {
                        "CapabilityId": 17,
                        "Name": "FEATURES_14G",
                        "Description": "14G specific features"
                    }
                },
                {
                    "Id": 367,
                    "CapabilityType": {
                        "CapabilityId": 16,
                        "Name": "VIRTUAL_CONSOLE",
                        "Description": "Ability to execute RACADM tasks"
                    }
                },
                {
                    "Id": 368,
                    "CapabilityType": {
                        "CapabilityId": 15,
                        "Name": "TEMP_HISTORY",
                        "Description": "Retrieve historical temperature data"
                    }
                },
                {
                    "Id": 369,
                    "CapabilityType": {
                        "CapabilityId": 14,
                        "Name": "POWER_HISTORY",
                        "Description": "Retrieve historical power data"
                    }
```

```
                },
                {
                    "Id": 370,
                    "CapabilityType": {
                        "CapabilityId": 13,
                        "Name": "TSR",
                        "Description": "Tech Support Report"
                    }
                },
                {
                    "Id": 371,
                    "CapabilityType": {
                        "CapabilityId": 12,
                        "Name": "DIAGS",
                        "Description": "Diagnostics"
                    }
                },
                {
                    "Id": 372,
                    "CapabilityType": {
                        "CapabilityId": 11,
                        "Name": "HW_LOGS ",
                        "Description": "System Hardware logs"
                    }
                },
                {
                    "Id": 373,
                    "CapabilityType": {
                        "CapabilityId": 9,
                        "Name": "BLINK",
                        "Description": "Identify function on server"
                    }
                },
                {
                    "Id": 374,
                    "CapabilityType": {
                        "CapabilityId": 41,
                        "Name": "SHARED_STORAGE_ALLLOWED",
                        "Description": "Capability to share externally
assigned Storage"
                    }
                },
                {
                    "Id": 375,
                    "CapabilityType": {
                        "CapabilityId": 8,
                        "Name": "FW_UPDATE",
                        "Description": "Remote Firmware update capability. "
                    }
                },
                {
                    "Id": 376,
                    "CapabilityType": {
                        "CapabilityId": 7,
                        "Name": "CONFIGURE",
                        "Description": "Set attributes on the system"
                    }
                },
                {
                    "Id": 377,
                    "CapabilityType": {
                        "CapabilityId": 4,
                        "Name": "SENSOR_DETAILS",
                        "Description": "Get Sensor Info, sub system health
details"
                    }
                },
                {
                    "Id": 378,
                    "CapabilityType": {
                        "CapabilityId": 3,
                        "Name": "POWER_CONTROL_RESET",
```

```
                        "Description": "Power reset hard/graceful"
                    }
                },
                {
                    "Id": 379,
                    "CapabilityType": {
                        "CapabilityId": 2,
                        "Name": "POWER_CONTROL_OFF",
                        "Description": "Power Down hard/graceful"
                    }
                },
                {
                    "Id": 380,
                    "CapabilityType": {
                        "CapabilityId": 1,
                        "Name": "POWER_CONTROL_ON",
                        "Description": "Power up"
                    }
                },
                {
                    "Id": 381,
                    "CapabilityType": {
                        "CapabilityId": 32,
                        "Name": "REMOTE_SSH",
                        "Description": "14G specific features"
                    }
                },
                {
                    "Id": 382,
                    "CapabilityType": {
                        "CapabilityId": 31,
                        "Name": "REMOTE_IPMI",
                        "Description": "14G specific features"
                    }
                },
                {
                    "Id": 383,
                    "CapabilityType": {
                        "CapabilityId": 30,
                        "Name": "REMOTE_RACADM",
                        "Description": "14G specific features"
                    }
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('deviceFru')",
            "InventoryType": "deviceFru",
            "InventoryInfo": [
                {
                    "Id": 38,
                    "Manufacturer": "Dell Inc.",
                    "Name": "SystemPlanar"
                },
                {
                    "Id": 37,
                    "Manufacturer": "Micron Technology",
                    "Name": "DDR4 DIMM",
                    "PartNumber": "9ASF1G72PZ-2G6D1",
                    "SerialNumber": "1446F14C"
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('deviceLocation')",
            "InventoryType": "deviceLocation",
            "InventoryInfo": [
                {
                    "Id": 19,
                    "Rack": "78",
```

```
                    "Aisle": "Lakeln",
                    "Datacenter": "AlladiaAnoop"
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('deviceManagement')",
            "InventoryType": "deviceManagement",
            "InventoryInfo": [
                {
                    "ManagementId": 5003,
                    "IpAddress": "xx.xx.xx.xx",
                    "MacAddress": "18:66:da:a6:c2:1d",
                    "ManagementType": {
                        "Name": "PUBLIC",
                        "Description": "Public Management Interface",
                        "ManagementType": 2
                    },
                    "InstrumentationName": "WIN-02GODDHDJTC",
                    "DnsName": "iDRAC-SVCTG06",
                    "EndPointAgents": [
                        {
                            "ManagementProfileId": 5003,
                            "ProfileId": "",
                            "AgentName": "iDRAC",
                            "Version": "3.20.20.20",
                            "ManagementURL": "https://[ IP Address ]",
                            "Status": 1000,
                            "StatusDateTime": 1504586817807
                        }
                    ]
                }
            ]
        },
        {
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('deviceSoftware')",
            "InventoryType": "deviceSoftware",
            "InventoryInfo": [
                {
                    "Version": "0",
                    "InstallationDate": "2017-06-16T00:54:12Z",
                    "Status": "Installed",
                    "SoftwareType": "APAC",
                    "ComponentId": "25806",
                    "DeviceDescription": "Diagnostics",
                    "InstanceId":
"DCIM:INSTALLED#802__Diagnostics.Embedded.1:LC.Embedded.1"
                },
                {
                    "Version": "0",
                    "InstallationDate": "2017-06-16T00:54:12Z",
                    "Status": "Installed",
                    "SoftwareType": "APAC",
                    "ComponentId": "18981",
                    "DeviceDescription": "OS Drivers Pack",
                    "InstanceId":
"DCIM:INSTALLED#802__DriverPack.Embedded.1:LC.Embedded.1"
                },
                {
                    "Version": "3.20.20.20",
                    "InstallationDate": "NA",
                    "Status": "Available",
                    "SoftwareType": "FRMW",
                    "ComponentId": "25227",
                    "DeviceDescription": "Integrated Dell Remote Access
Controller",
                    "InstanceId":
"DCIM:PREVIOUS#iDRAC.Embedded.1-1#IDRACinfo"
                },
                {
```

```
                    "Version": "0.3.0",
                    "InstallationDate": "2017-06-16T01:22:28Z",
                    "Status": "Installed",
                    "SoftwareType": "BIOS",
                    "ComponentId": "159",
                    "DeviceDescription": "BIOS",
                    "InstanceId": "DCIM:INSTALLED#741__BIOS.Setup.1-1"
                },
                {
                    "Version": "NA03",
                    "InstallationDate": "2017-07-21T03:30:51Z",
                    "Status": "Installed",
                    "SoftwareType": "FRMW",
                    "ComponentId": "104258",
                    "DeviceDescription": "Disk 0 on Embedded AHCI Controller
2",
                    "InstanceId":
"DCIM:INSTALLED#304_C_Disk.Direct.0-0:AHCI.Embedded.2-1"
                },
                {
                    "Version": "3.20.20.20",
                    "InstallationDate": "2017-06-16T00:54:04Z",
                    "Status": "Installed",
                    "SoftwareType": "FRMW",
                    "ComponentId": "25227",
                    "DeviceDescription": "Integrated Dell Remote Access
Controller",
                    "InstanceId":
"DCIM:INSTALLED#iDRAC.Embedded.1-1#IDRACinfo"
                },
                {
                    "Version": "0",
                    "InstallationDate": "2017-06-16T00:54:12Z",
                    "Status": "Installed",
                    "SoftwareType": "APAC",
                    "ComponentId": "101734",
                    "DeviceDescription": "OS Collector",
                    "InstanceId":
"DCIM:INSTALLED#802__OSCollector.Embedded.1"
                },
                {
                    "Version": "0",
                    "InstallationDate": "2017-06-16T00:54:12Z",
                    "Status": "Installed",
                    "SoftwareType": "APAC",
                    "ComponentId": "104684",
                    "DeviceDescription": "iDRAC Service Module Installer",
                    "InstanceId":
"DCIM:INSTALLED#802__ServiceModule.Embedded.1"
                },
                {
                    "Version": "3.20.20.20",
                    "InstallationDate": "2017-06-16T00:54:12Z",
                    "Status": "Installed",
                    "SoftwareType": "APAC",
                    "ComponentId": "28897",
                    "DeviceDescription": "Lifecycle Controller",
                    "InstanceId":
"DCIM:INSTALLED#802__USC.Embedded.1:LC.Embedded.1"
                },
                {
                    "Version": "0.2.1",
                    "InstallationDate": "2017-06-16T00:54:12Z",
                    "Status": "Installed",
                    "SoftwareType": "FRMW",
                    "ComponentId": "27763",
                    "DeviceDescription": "System CPLD",
                    "InstanceId": "DCIM:INSTALLED#803__CPLD.Embedded.1"
                }
            ]
        },
        {
```

```
            "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('subsystemRollupStatus')",
            "InventoryType": "subsystemRollupStatus",
            "InventoryInfo": [
                {
                    "Id": 145,
                    "Status": 2000,
                    "SubsystemName": "cpuRollupStatus"
                },
                {
                    "Id": 146,
                    "Status": 1000,
                    "SubsystemName": "sysMemPrimaryStatus"
                },
                {
                    "Id": 147,
                    "Status": 1000,
                    "SubsystemName": "voltRollupStatus"
                },
                {
                    "Id": 148,
                    "Status": 1000,
                    "SubsystemName": "batteryRollupStatus"
                },
                {
                    "Id": 149,
                    "Status": 3000,
                    "SubsystemName": "licensingRollupStatus"
                },
                {
                    "Id": 150,
                    "Status": 1000,
                    "SubsystemName": "storageRollupStatus"
                },
                {
                    "Id": 151,
                    "Status": 1000,
                    "SubsystemName": "tempRollupStatus"
                },
                {
                    "Id": 152,
                    "Status": 2000,
                    "SubsystemName": "intrusionRollupStatus"
                }
            ]
        }
    ]
}
```

Individual filters

You can also use individual filters in this URI.

Example response body

```
GET for the following URI:
  /api/DeviceService/Devices(3315)/InventoryDetails('subsystemRollupStatus')

Output:
{
    "@odata.context": "$metadata#DeviceService.InventoryDetail/$entity",
    "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails('subsystemRollupStatus')",
    "InventoryType": "subsystemRollupStatus",
    "InventoryInfo": [
        {
          "Id": 145,
          "Status": 2000,
          "SubsystemName": "cpuRollupStatus"
        },
        {
```

```
            "Id": 146,
            "Status": 1000,
            "SubsystemName": "sysMemPrimaryStatus"
          },
          {
            "Id": 147,
            "Status": 1000,
            "SubsystemName": "voltRollupStatus"
          },
          {
            "Id": 148,
            "Status": 1000,
            "SubsystemName": "batteryRollupStatus"
          },
          {
            "Id": 149,
            "Status": 3000,
            "SubsystemName": "licensingRollupStatus"
          },
          {
            "Id": 150,
            "Status": 1000,
            "SubsystemName": "storageRollupStatus"
          },
          {
            "Id": 151,
            "Status": 1000,
            "SubsystemName": "tempRollupStatus"
          },
          {
            "Id": 152,
            "Status": 2000,
            "SubsystemName": "intrusionRollupStatus"
          }
      ]
}
```


/api/DeviceService/Devices(Id)/InventoryDetails(InventoryType)

This URI represents the details of a specific inventory type for a specific device.

GET method for inventory details by inventory type

This method returns the details of a specific inventory type.

NOTE: If a PSU is absent, this method reports the status as follows:

- **Presence: Absent**
- **Health: Ok**
- **Power state: Off**

Description	Returns details of a specific inventory type.
Privilege	VIEW
HTTP response codes	200
Example request body	`/api/DeviceService/Devices(25004)/InventoryDetails('deviceSoftware')`

Example response body


```
{
  "@odata.context": "/api/$metadata#DeviceService.InventoryDetail/$entity",
  "@odata.type": "#DeviceService.InventoryDetail",
  "@odata.id": "/api/DeviceService/Devices(25009)/
InventoryDetails('deviceSoftware')",
  "InventoryType": "deviceSoftware",
  "InventoryInfo":
  [
    {"Version": "0.3.0", "InstallationDate": "2017-07-13T00:00:00Z",
"Status": "Installed", "SoftwareType": "BIOS",…},
    {"Version": "3.20.20.20", "InstallationDate": "2017-07-13T00:00:00Z",
"Status": "Installed",…},
    {"Version": "0", "InstallationDate": "2017-07-13T00:00:00Z", "Status":
"Installed", "SoftwareType": "APAC",…},
    {"Version": "0", "InstallationDate": "2017-07-13T00:00:00Z", "Status":
"Installed", "SoftwareType": "APAC",…},
    {"Version": "3.36", "InstallationDate": "2017-07-13T00:00:00Z",
"Status": "Installed", "SoftwareType": "FRMW",…},
    {"Version": "3.20.20.20", "InstallationDate": "2017-07-13T00:00:00Z",
"Status": "Installed",…},
    {"Version": "0", "InstallationDate": "2017-07-13T00:00:00Z", "Status":
"Installed", "SoftwareType": "APAC",…},
    {"Version": "0", "InstallationDate": "2017-07-13T00:00:00Z", "Status":
"Installed", "SoftwareType": "APAC",…},
    {"Version": "0.2.5", "InstallationDate": "2017-07-13T00:00:00Z",
"Status": "Installed", "SoftwareType": "FRMW",…}
  ]
}
```


/api/DeviceService/Devices(Id)/Settings('ReplicableChassisConfigurations')

This URI retrieves the chassis time and alert destination settings and applies the settings to the IOM.

PUT method to retrieve chassis time and alert destination settings

This method retrieves the chassis and alert destinations settings.

Description	Retrieves the chassis and alert destinations settings and applies the settings to the IOMs.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	204

Example request body

```
{
    "SettingType":"ReplicableChassisConfigurations",
   "Configurations":[
      {
         "Type":"AlertDestination",
        "Replicate":true
      },
      {
         "Type":"TimeConfigurations",
         "Replicate":true
      }
   ]
}
```

Table 99. Attributes

Attribute	Description
SettingType	Defines the setting type that must be applied. The setting here is, "ReplicableChassisConfigurations"
Configurations	Defines the configuration you want to apply. The **Configurations** attribute requires the Type and Replicate flag.
Type	The configuration you want to apply. The **Type** attribute supports "AlertDestination" or "TimeConfigurations".
Replicate	Boolean flag to determine if you prefer to set the configuration or not.

/api/DeviceService/Devices(Device_ID)/Settings('LocalAccessConfiguration')

This API represents the local access configuration information.

GET method for local access configuration

This method returns the local access configuration details.

Description	Returns the local access configuration details.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
    "SettingType": "LocalAccessConfiguration",
    "EnableChassisPowerButton": true,
    "EnableKvmAccess": true,
    "LedPresence": "Absent",
    "QuickSync": {
        "QuickSyncHardware": "Present",
        "QuickSyncAccess": "READ_WRITE",
        "EnableInactivityTimeout": true,
        "TimeoutLimit": 120,
        "TimeoutLimitUnit": "SECONDS",
        "EnableReadAuthentication": true,
        "EnableQuickSyncWifi": true
    },
    "EnableChassisDirect": true,
    "LcdAccess": "VIEW_AND_MODIFY",
    "LcdPresence": "Present",
    "LcdCustomString": "",
    "LcdLanguage": "en"
}
```

PUT method for local access configuration

This method enables or disables the local access configuration in the chassis.

Description	Enables or disables the local access configuration.
Privilege	DEVICE_CONFIGURATION
HTTP response code	200

Enabling Chassis Direct feature

Example request body

```
{
    "SettingType": "LocalAccessConfiguration",
    "EnableChassisPowerButton": true,
    "EnableKvmAccess": true,
    "LedPresence": "Absent",
    "QuickSync": {
        "QuickSyncHardware": "Present",
        "QuickSyncAccess": "READ_WRITE",
        "EnableInactivityTimeout": true,
        "TimeoutLimit": 120,
        "TimeoutLimitUnit": "SECONDS",
        "EnableReadAuthentication": true,
        "EnableQuickSyncWifi": true
    },
    "EnableChassisDirect": true,
    "LcdAccess": "VIEW_AND_MODIFY",
    "LcdPresence": "Present",
    "LcdCustomString": "",
    "LcdLanguage": "en"
}
```

Example response body

```
{
    "SettingType": "LocalAccessConfiguration",
    "EnableChassisPowerButton": true,
    "EnableKvmAccess": true,
    "LedPresence": "Absent",
    "QuickSync": {
        "QuickSyncHardware": "Present",
        "QuickSyncAccess": "READ_WRITE",
        "EnableInactivityTimeout": true,
        "TimeoutLimit": 120,
        "TimeoutLimitUnit": "SECONDS",
        "EnableReadAuthentication": true,
        "EnableQuickSyncWifi": true
    },
    "EnableChassisDirect": true,
    "LcdAccess": "VIEW_AND_MODIFY",
    "LcdPresence": "Present",
    "LcdCustomString": "",
    "LcdLanguage": "en"
}
```

Disabling Chassis Direct feature

Example request body

```
{
    "SettingType": "LocalAccessConfiguration",
    "EnableChassisPowerButton": true,
    "EnableKvmAccess": true,
    "LedPresence": "Absent",
    "QuickSync": {
        "QuickSyncHardware": "Present",
        "QuickSyncAccess": "READ_WRITE",
        "EnableInactivityTimeout": true,
        "TimeoutLimit": 120,
        "TimeoutLimitUnit": "SECONDS",
        "EnableReadAuthentication": true,
        "EnableQuickSyncWifi": true
    },
    "EnableChassisDirect": false,
    "LcdAccess": "VIEW_AND_MODIFY",
    "LcdPresence": "Present",
    "LcdCustomString": "",
    "LcdLanguage": "en"
}
```

Example response body


```
{
    "SettingType": "LocalAccessConfiguration",
    "EnableChassisPowerButton": true,
    "EnableKvmAccess": true,
    "LedPresence": "Absent",
    "QuickSync": {
        "QuickSyncHardware": "Present",
        "QuickSyncAccess": "READ_WRITE",
        "EnableInactivityTimeout": true,
        "TimeoutLimit": 120,
        "TimeoutLimitUnit": "SECONDS",
        "EnableReadAuthentication": true,
        "EnableQuickSyncWifi": true
    },
    "EnableChassisDirect": false,
    "LcdAccess": "VIEW_AND_MODIFY",
    "LcdPresence": "Present",
    "LcdCustomString": "",
    "LcdLanguage": "en"
}
```


/api/DeviceService/Devices(Id)/HardwareLogs

This URI represents the hardware logs of a specific device.

GET method for HardwareLogs

This method returns the hardware logs of a specific device.

Description	Returns the hardware logs of a specific device.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
    "@odata.context": "$metadata#Collection(DeviceService.LogModel)",
    "@odata.count": 1902,
    "value": [
      {
        "LogTimestamp": "20170907060147.000000-300",
        "LogSequenceNumber": 286450,
        "LogSeverity": 1000,
        "LogComment": "[set comment here]",
        "LogMessageId": "USR0030",
        "LogMessage": "Successfully logged in using root, from 10.32.22.103
and wsman.",
        "LogId": "DCIM:LifeCycleLog:286450",
        "LogCategory": "Audit",
        "DateFormat": "CIM"
      },
      {
        "LogTimestamp": "20170907060147.000000-300",
        "LogSequenceNumber": 286449,
        "LogSeverity": 1000,
        "LogComment": "[set comment here]",
        "LogMessageId": "LOG007",
        "LogMessage": "The previous log entry was repeated 1 times.",
        "LogId": "DCIM:LifeCycleLog:286449",
        "LogCategory": "Audit",
        "DateFormat": "CIM"
      },
      {
        "LogTimestamp": "20170907053540.000000-300",
```

```
        "LogSequenceNumber": 286412,
        "LogSeverity": 1000,
        "LogComment": "[set comment here]",
        "LogMessageId": "USR0030",
        "LogMessage": "Successfully logged in using root, from 10.32.19.194
and wsman.",
        "LogId": "DCIM:LifeCycleLog:286412",
        "LogCategory": "Audit",
        "DateFormat": "CIM"
      },
      {
        "LogTimestamp": "20170907053540.000000-300",
        "LogSequenceNumber": 286411,
        "LogSeverity": 1000,
        "LogComment": "[set comment here]",
        "LogMessageId": "USR0030",
        "LogMessage": "Successfully logged in using root, from 10.32.22.88
and wsman.",
        "LogId": "DCIM:LifeCycleLog:286411",
        "LogCategory": "Audit",
        "DateFormat": "CIM"
      }
    ]
}
```


/api/DeviceService/Devices(Id)/SubSystemHealth

This URI represents the health of a specific device.

GET method for sub system health information

This method returns the health status of a specific device.

Description	Returns the health status of a specific device.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context":
"$metadata#Collection(DeviceService.SubSystemHealthFaultModel)",
  "@odata.count": 8,
  "value": [
    {
      "SubSystem": "System",
      "RollupStatus": "1000"
    },
    {
      "SubSystem": "SEL/Misc",
      "RollupStatus": "2000"
    },
    {
      "SubSystem": "Battery",
      "RollupStatus": "1000"
    },
    {
      "SubSystem": "Voltage",
      "RollupStatus": "1000"
    },
    {
      "SubSystem": "Current",
```

```
      "RollupStatus": "1000"
    },
    {
      "SubSystem": "Processor",
      "RollupStatus": "2000"
    },
    {
      "SubSystem": "Memory",
      "RollupStatus": "2000"
    },
    {
      "SubSystem": "Temperature",
      "RollupStatus": "1000"
    }
  ]
}
```


/api/DeviceService/Devices(Id)/RecentActivity

This URI represents the recent activities for a specific device.

GET method for RecentActivity

This method returns the recent activities for a specific device.

Description	Returns the recent activities for a specific device.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context":
"$metadata#Collection(DeviceService.ExecutionHistoryDetailModel)",
  "@odata.count": 2,
  "value": [
    {
      "Id": 953,
      "Progress": "100",
      "StartTime": "2017-09-06 05:12:29.650",
      "EndTime": "2017-09-06 05:12:30.847",
      "TaskStatusId": 2060,
      "Key": "WIN-02GODDHDJTC",
      "Value": "Running\nCompleted",
      "TaskName": "Blink LED",
      "ExecutionHistoryId": 561,
      "TaskId": 10265,
      "TaskType": 3
    },
    {
      "Id": 9,
      "Progress": "100",
      "StartTime": "2017-09-05 04:48:37.080",
      "EndTime": "2017-09-05 04:48:37.856",
      "TaskStatusId": 2070,
      "Key": "WIN-02GODDHDJTC",
      "Value": "Running\nSlot ID passed null cannot perform Quick
Deploy.\nTask Failed.
       Execution has completed",
      "TaskName": "Deployment and Configuration Check",
      "ExecutionHistoryId": 8,
      "TaskId": 4015,
      "TaskType": 24
    }
```

```
  ]
}
```

/api/DeviceService/Devices(Id)/InventoryTypes

This URI represents the inventory types for a specific device.

GET method for InventoryTypes

This method returns the inventory types for a specific device.

Description	Returns the inventory types for a specific device.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#DeviceService.InventoryTypes/$entity",
  "@odata.id": "/api/DeviceService/Devices(3265)/InventoryTypes",
  "InventoryTypes": [
    "serverDeviceCards",
    "serverProcessors",
    "serverNetworkInterfaces",
    "serverOperatingSystems",
    "serverVirtualFlashes",
    "serverPowerSupplies",
    "serverArrayDisks",
    "serverRaidControllers",
    "serverMemoryDevices",
    "serverStorageEnclosures",
    "serverSupportedPowerStates",
    "deviceLicense",
    "deviceCapabilities",
    "deviceFru",
    "deviceManagement",
    "deviceSoftware",
    "subsystemRollupStatus"
  ]
}
```

/api/DeviceService/Devices(Id)/LogSeverities

This URI represents the log severities for a specific device.

GET method for LogSeverities

This method returns the log-severity details for a specific device.

Description	Returns the log-severity details for a specific device.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#DeviceService.LogSeverities/$entity",
  "@odata.id": "/api/DeviceService/Devices(3265)/LogSeverities",
```

```
  "Warning": 2000,
  "Critical": 3000,
  "Fatal": 4000,
  "Info": 1000
}
```

NOTE: **The severity `"Unknown": 5000` is not displayed by REST. To view logs in Unknown state, use the web interface.**

/api/DeviceService/Devices(Id)/Settings

This URI represents the settings of a specific device.

GET method for Settings

This method returns the details of the settings of a specific device.

Description	Returns the details of the settings of a specific device.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#Collection(DeviceService.DeviceSetting)",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/DeviceService/Devices(3265)/Settings('Network')",
      "SettingType": "Network"
    },
    {
      "@odata.id": "/api/DeviceService/Devices(3265)/Settings('Management')",
      "SettingType": "Management"
    }
  ]
}
```

/api/DeviceService/Devices(Id)/Settings('Type')

This URI represents a specific type of setting for a device.

The settings differ depending on the type of device. To see the list of available settings, use the Get method on the Device(Id)/Settings URI. Following are the possible URIs:

- `api/DeviceService/Devices(25035)/Settings('Network')`
- `api/DeviceService/Devices(25035)/Settings('Monitoring')`
- `api/DeviceService/Devices(25035)/Settings('Management')`
- `api/DeviceService/Devices(25031)/Settings('Power')`
- `api/DeviceService/Devices(25031)/Settings('Location')`
- `api/DeviceService/Devices(25031)/Settings('LocalAccessConfiguration')`
- `api/DeviceService/Devices(25031)/Settings('NetworkServices')`
- `api/DeviceService/Devices(25031)/Settings('ServerQuickDeploy')`
- `api/DeviceService/Devices(25031)/Settings('IOMQuickDeploy')`
- `api/DeviceService/Devices(25031)/Settings('FIPSMode')`

GET method for device settings by type

This method returns the available attributes under a specific setting type.

Description	Returns the available attributes under a specific setting type.
Privilege	VIEW
HTTP response codes	200

Example for network settings for IOM

Example response body


```
{
  "@odata.context": "/api/$metadata#DeviceService.DeviceSetting/$entity",
  "@odata.type": "#DeviceService.DeviceSetting",
  "@odata.id": "/api/DeviceService/Devices(25773)/Settings('Network')",
  "SettingType": "Network",
  "MgmtVLANId": "",
  "EnableMgmtVLANId": false,
  "IomIPv4Settings":
  {
    "EnableIPv4": true,
    "EnableDHCP": true,
    "StaticIPAddress": "xx.xx.xx.xx",
    "StaticSubnetMask": "255.255.255.0",
    "StaticGateway": "10.35.176.1"
  },
  "IomIPv6Settings":
  {
    "EnableIPv6": false,
    "StaticIPv6Address": "::",
    "StaticPrefixLength": "0",
    "StaticGateway": "::",
    "UseDHCPv6": false
  },
  "IomDNSSettings":
  {
    "PrimaryDNS": "",
    "SecondaryDNS": "",
    "TertiaryDNS": ""
  }
}
```


Example for network settings for Chassis

Example response body


```
{
  "@odata.context": "/api/$metadata#DeviceService.DeviceSetting/$entity",
  "@odata.type": "#DeviceService.DeviceSetting",
  "@odata.id": "/api/DeviceService/Devices(25037)/Settings('Network')",
  "SettingType": "Network",
  "MgmtVLANId": "1",
  "EnableVLAN": false,
  "Ipv4Settings":
  {
    "EnableIPv4": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPObtainDNSServerAddresses": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "Ipv6Settings":
  {
    "EnableIPv6": false,
```

```
    "EnableAutoconfiguration": true,
    "StaticIPv6Address": "",
    "StaticPrefixLength": "0",
    "StaticGateway": "",
    "UseDHCPv6ObtainDNSServerAddresses": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "GeneralSettings":
  {
    "EnableNIC": true,
    "RegisterDNS": false,
    "DnsName": "MX7000",
    "UseDHCPForDomainName": false,
    "DnsDomainName": "",
    "AutoNegotiation": true,
    "NetworkSpeed": "1_GB",
    "Delay": 0
  }
}
```

PUT method for device settings by type

This method updates the attributes under a specific setting type.

Description	Updates attributes under a specific setting type.
Privilege	DEVICE_CONFIGURATION
HTTP response code	200
Example for network settings for IOM	**Example request body**

```
{
  "@odata.context": "/api/$metadata#DeviceService.DeviceSetting/$entity",
  "@odata.type": "#DeviceService.DeviceSetting",
  "@odata.id": "/api/DeviceService/Devices(25773)/Settings('Network')",
  "SettingType": "Network",
  "MgmtVLANId": "",
  "EnableMgmtVLANId": false,
  "IomIPv4Settings":
  {
    "EnableIPv4": true,
    "EnableDHCP": true,
    "StaticIPAddress": "xx.xx.xx.xx",
    "StaticSubnetMask": "255.255.255.0",
    "StaticGateway": "10.35.176.1"
  },
  "IomIPv6Settings":
  {
    "EnableIPv6": true,
    "StaticIPv6Address": "::",
    "StaticPrefixLength": "0",
    "StaticGateway": "::",
    "UseDHCPv6": true
  },
  "IomDNSSettings":
  {
    "PrimaryDNS": "",
    "SecondaryDNS": "",
    "TertiaryDNS": ""
  }
}
```

Example for network settings for IOM

Example response body

```
{
  "@odata.id": "/api/DeviceService/Devices(25773)/Settings('Network')",
  "EnableMgmtVLANId": false,
  "@odata.context": "/api/$metadata#DeviceService.DeviceSetting/$entity",
  "SettingType": "Network",
  "IomDNSSettings":
  {
    "PrimaryDNS": "",
    "SecondaryDNS": "",
    "TertiaryDNS": ""
  },
  "IomIPv4Settings":
  {
    "EnableIPv4": true,
    "EnableDHCP": true,
    "StaticIPAddress": "xx.xx.xx.xx",
    "StaticSubnetMask": "255.255.255.0",
    "StaticGateway": "10.35.176.1"
  },
  "IomIPv6Settings":
  {
    "EnableIPv6": true,
    "StaticIPv6Address": "::",
    "StaticPrefixLength": "0",
    "StaticGateway": "::",
    "UseDHCPv6": true
  },
  "MgmtVLANId": ""
}
```

Example for IOM names

Example response body

```
{
    "Hostname": "Hostname",
    "SettingType": "Management"
```

Example for network settings for Chassis

Example request body

```
{
  "@odata.context": "/api/$metadata#DeviceService.DeviceSetting/$entity",
  "@odata.type": "#DeviceService.DeviceSetting",
  "@odata.id": "/api/DeviceService/Devices(25037)/Settings('Network')",
  "SettingType": "Network",
  "MgmtVLANId": "1",
  "EnableVLAN": false,
  "Ipv4Settings":
  {
    "EnableIPv4": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPObtainDNSServerAddresses": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "Ipv6Settings":
  {
    "EnableIPv6": false,
    "EnableAutoconfiguration": true,
    "StaticIPv6Address": "",
    "StaticPrefixLength": "0",
    "StaticGateway": "",
    "UseDHCPv6ObtainDNSServerAddresses": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "GeneralSettings":
```

```
  {
    "EnableNIC": true,
    "RegisterDNS": false,
    "DnsName": "MX7000",
    "UseDHCPForDomainName": false,
    "DnsDomainName": "",
    "AutoNegotiation": true,
    "NetworkSpeed": "1_GB",
    "Delay": 0
  }
}
```

Example for network settings for Chassis

Example response body

```
{
  "SettingType": "Network",
  "DhcpProvisioning": null,
  "MgmtVLANId": "1",
  "EnableVLAN": false,
  "Ipv4Settings":
  {
    "EnableIPv4": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPObtainDNSServerAddresses": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "Ipv6Settings":
  {
    "EnableIPv6": false,
    "EnableAutoconfiguration": true,
    "StaticIPv6Address": "",
    "StaticPrefixLength": "0",
    "StaticGateway": "",
    "UseDHCPv6ObtainDNSServerAddresses": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "GeneralSettings":
  {
    "EnableNIC": true,
    "RegisterDNS": false,
    "DnsName": "MX7000",
    "UseDHCPForDomainName": false,
    "DnsDomainName": "",
    "AutoNegotiation": true,
    "NetworkSpeed": "1_GB",
    "Delay": 0
  }
}
```

/api/DeviceService/Devices(Id)/Temperature

This URI represents the temperature settings of a specific device.

GET method for Temperature

This method returns the temperature details of a specific device.

Description	Returns the temperature details of a specific device.
Privilege	VIEW

HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#DeviceService.TemperatureResponseModel/
$entity",
  "@odata.id": "/api/DeviceService/Devices(3265)/Temperature",
  "peakTemperatureUnit": "celsius",
  "avgTemperatureUnit": "celsius",
  "DateFormat": "CIM",
  "instantaneousTemperatureUnit": "celsius",
  "avgTemperatureTimeStamp": "20170907071015.180000-300",
  "instantaneousTemperature": "21"
}
```

/api/DeviceService/Devices(Id)/BlinkStatus

This URI represents the LED-blink status of a specific device.

GET method for LED blink status

This method returns the LED-blink status of a specific device.

Description	Returns the LED-blink status of a specific device.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#DeviceService.BlinkStatusResponseModel/
$entity",
  "@odata.id": "/api/DeviceService/Devices(3265)/BlinkStatus",
  "isLEDBlinking": false
}
```

/api/DeviceService/Devices(Id)/PowerUsageByDevice

This URI represents the power consumption details of a specific device.

GET method for power usage by devices

This method returns the power usage details of a specific device.

Description	Returns the power usage details of a specific device.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#DeviceService.PowerResponseModel/$entity",
```

```
  "@odata.id": "/api/DeviceService/Devices(3265)/Power",
  "avgPower": "0",
  "systemEnergyConsumptionUnit": "killowatt-hour",
  "systemEnergyConsumptionTimeStamp": "20170907071147.450000-300",
  "powerUnit": "watt",
  "minimumPowerTimeStamp": "19691231180000.000000-360",
  "avgPowerUnit": "watt",
  "minimumPower": "65535",
  "peakPower": "73",
  "DateFormat": "CIM",
  "systemEnergyConsumption": "0.000",
  "Since": "20170414145039.000000-300",
  "peakPowerTimeStamp": "20170414145039.000000-300",
  "power": "0",
  "peakPowerUnit": "watt",
  "minimumPowerUnit": "watt"
}
```


/api/DeviceService/Devices(Id)/DeviceBladeSlots

This URI represents the slot details of a specific device.

GET method for device blade slots

This method returns the details of the slot that the device is installed in.

NOTE: For a chassis, details of only the compute sleds are returned.

Description	Returns the slot details of a specific device.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#Collection(DeviceService.DeviceBladeSlots)",
  "@odata.count": 2,
  "value": [
    {
      "DeviceType": 1000,
      "AllowStorageAssignment": true,
      "SlotNumber": "1",
      "ServiceTag": "SVCTG01",
      "AllowSharedStorage": true,
      "HealthStatus": 4000,
      "Id": 4365,
      "SlotName": "Sled-1",
      "PowerState": 17,
      "SlotType": 2000,
      "DeviceName": "WIN-02GODDHDJTC"
    },
    {
      "DeviceType": 1000,
      "AllowStorageAssignment": true,
      "SlotNumber": "3",
      "ServiceTag": "",
      "AllowSharedStorage": true,
      "HealthStatus": 2000,
      "Id": 4465,
      "SlotName": "Sled-3",
      "PowerState": 18,
      "SlotType": 2000,
      "DeviceName": ""
    }
```

```
  ]
}
```

/api/DeviceService/Devices(Id)/GraphicInfo

This URI represents the graphics information of a specific device.

GET method for GraphicInfo

This method returns the graphics-related information of a specific device.

Description	Returns the graphics-related information of a specific device.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "$metadata#DeviceService.GraphicInfo/$entity",
  "@odata.id": "/api/DeviceService/Devices(3265)/GraphicInfo",
  "Svg": "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\n<!-- Generator: Adobe
Illustrator 19.1.0,
    SVG Export Plug-In . SVG Version: 6.00 Build 0) -->\n<svg xmlns=\"http://
www.w3.org/2000/svg\"
    xmlns:xlink=\"http://www.w3.org/1999/xlink\" version=\"1.1\" id=\"SLED\"
x=\"0px\" y=\"0px\"
    width=\"121px\" height=\"710px\" viewBox=\"0 0 121 710\" style=\"enable-
background:new
    0 0 121 710;\" xml:space=\"preserve\">\n
    <symbol id=\"_x32_.5_HDD\" viewBox=\"-21.3 -106.7 42.5 213.3\">\n <g>\n
    <path d=\"M21.3-98.5c0-0.8-0.6-1.4-1.4-1.4h-39.7c-0.8,
    0-1.4,0.6-0.6-1.4-1.4v-7.8v-6.6V58.2h42.5v32.7v6.6v7.8
C21.3,106,20.6,106.7,19.8,106.7z\" />\n
    <polygon style=\"fill:#333333;\" points=\"14.2,56.3 -14.2,56.3
-14.2,57.1 14.2,57.1  \" />\n
    <polygon style=\"fill:#B3B3B3;\" points=\"-18.1,58.2 -21.3,58.2
-21.3,-99.9 -18.1,-99.9  \" />\n
    <polygon style=\"fill:#B3B3B3;\" points=\"21.3,58.2 18.1,58.2 18.1,-99.9
21.3,-99.9  \" />\n
    <polygon style=\"fill:#1A1A1A;\" points=\"-14.2,44.3 14.2,44.3 14.2,35.3
-14.2,35.3  \" />\n
    <polygon style=\"fill:#666666;\" points=\"-14.2,44.3 14.2,44.3 14.2,57.1
-14.2,57.1  \" />\n
    <polygon    <use xlink:href=\"#status-led-off\" width=\"8.5\" height=
\"50.8\" id=\"XMLID_3_\"
    x=\"-4.3\" y=\"-25.4\" transform=\"matrix(1 0 0 -1 6.838 61.8476)\"
style=\"overflow:visible;\" />\n
    <use xlink:href=\"#status-led-on\" width=\"8.5\" height=\"50.8\" x=
\"-4.3\" y=\"-25.4\"
    transform=\"matrix(1 0 0 -1 6.838 61.8476)\" style=
\"display:none;overflow:visible;\" />\n</svg>"
}
```

/api/DeviceService/Devices(Id)/DeployRequired

This API represents the device deployment results.

GET method for deployment by device IDs

This method returns the results for deployment on devices by IDs.

Description	Returns the results for deployment on devices by IDs.
Privilege	
HTTP response code	200
Example response body	

```
{
"@odata.context": "/api/$metadata#DeviceService.DeployRequired",
"@odata.type": "#DeviceService.DeployRequired",
"@odata.id": "/api/DeviceService/Devices(10076)/DeployRequired",
"DeployRequired": false
}
```

/api/DeviceService/Devices(Id)/SystemUpTime

This URI represents system up time information for devices.

GET method for /api/DeviceService/Devices(Id)/SystemUpTime

This method returns the system up time information for devices.

Description	Returns the system up time information for devices.
Privilege	VIEW
HTTP response code	200
Example	

```
{
    "@odata.context": "/api/
$metadata#DeviceService.SystemUpTimeResponseModel",
    "@odata.type": "#DeviceService.SystemUpTimeResponseModel",
    "@odata.id": "/api/DeviceService/Devices(10052)/SystemUpTime",
    "systemUpTime": "338186"
}
```

/api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.UploadFSDCertificate

This API represents Field Service Debug (FSD) certificate information.

POST method for uploading FSD certificate

This method returns information about the FSD certificate upload process.

Description	Returns information about the FSD certificate upload process.
Privilege	VIEW
HTTP response code	201
Example request body	

```
{
                “deviceId”: “DeviceID”
                “payLoadData”: [FSD Certificate]
}
```

/api/DeviceService/PowerStates

This URI represents the power states of the devices.

GET method for PowerStates

This method returns a list of the power states that the devices can be in.

Description	Returns a list of power states.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(DeviceService.PowerState)",
  "@odata.count": 3,
  "value": [
    {
      "PowerState": 1,
      "Name": "UNKNOWN",
      "Description": "Unknown"
    },
    {
      "PowerState": 17,
      "Name": "ON",
      "Description": "On"
    },
    {
      "PowerState": 18,
      "Name": "OFF",
      "Description": "Off"
    }
  ]
}
```

/api/DeviceService/DeviceStatuses

This URI represents the statuses that the devices can be in.

GET method for DeviceStatuses

This method returns a list of statuses for the devices.

Description	Returns a list of statuses for the devices.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(DeviceService.DeviceStatus)",
  "@odata.count": 5,
  "value": [
    {
      "GlobalStatus": 1000,
      "Name": "NORMAL",
      "Description": "The device is running normal."
    },
    {
      "GlobalStatus": 2000,
      "Name": "UNKNOWN",
      "Description": "Status is not determined."
    },
    {
      "GlobalStatus": 3000,
      "Name": "WARNING",
      "Description": "The device has warning state."
    },
    {
      "GlobalStatus": 4000,
      "Name": "CRITICAL",
      "Description": "The device is in critical state."
    },
    {
      "GlobalStatus": 5000,
      "Name": "NOSTATUS",
      "Description": "The device/group does not have a valid status."
    }
  ]
}
```

/api/DeviceService/DeviceType

This URI represents the device types.

GET method for DeviceType

This method returns a list of devices types.

Description	Returns a list of devices types.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#Collection(DeviceService.DeviceType)",
  "@odata.count": 6,
  "value": [
    {
      "DeviceType": 1000,
      "Name": "SERVER",
      "Description": "Server Device"
    },
    {
      "DeviceType": 2000,
      "Name": "CHASSIS",
      "Description": "Chassis Device"
    },
    {
      "DeviceType": 9000,
      "Name": "NETWORK_CONTROLLER",
      "Description": "NETWORK CONTROLLER Device"
    },
    {
      "DeviceType": 4000,
      "Name": "NETWORK_IOM",
      "Description": "NETWORK IO Module Device"
    },
    {
      "DeviceType": 3000,
      "Name": "STORAGE",
      "Description": "Storage Device"
    },
    {
      "DeviceType": 8000,
      "Name": "STORAGE_IOM",
      "Description": "Storage IOM Device"
    }
  ]
}
```


/api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.SetTermState

This API represents the device term state information.

POST method for setting term state

This method returns term state information for devices.

Description	Returns term state information.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	202

Table 100. Attributes

Attribute name	Description
Id—Devices(Id)	ID of the device.

/api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.GetTermState

This API represents term state information for devices.

POST method for getting term state

This method returns term state information.

Description	Returns term state information.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	202

Table 101. Attributes

Attribute name	Description
Id—Devices(Id)	ID of the device.

/api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.GetComputeIPs

This API represents the IPv4 and IPv6 details for the specified compute device ID.

POST method for /api/DeviceService/Actions/DeviceService/Devices(Id)Actions/DeviceService.GetComputeIPs

This method represents the IPv4 and IPv6 details for the specified compute device ID.

Description	Returns details of a job type.
Privilege	VIEW
HTTP response codes	201
Example response body	

```
{
    "OperationName": "GET_IDRAC_CURRENT_IP_ADDRESSES",
    "ResponseKey": "SERVER_IP_ADDRESSES_MAP"
}
```

/api/DeviceService/DeviceSummary

This URI represents the summary of the devices statuses. In the response, devices of the same type are grouped.

GET method for DeviceSummary

This method returns the summary of device statuses.

Description	Returns the summary of device statuses.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "$metadata#Collection(DeviceService.DeviceSummary)",
  "@odata.count": 6,
  "value": [
    {
      "@odata.id": "/api/DeviceService/DeviceSummary(1000)",
      "DeviceType": 1000,
      "TotalCount": 2,
      "DeviceStatusSummary": [
        {
          "StatusType": 1000,
          "Count": 1
        },
        {
          "StatusType": 2000,
          "Count": 0
        },
        {
          "StatusType": 3000,
          "Count": 0
        },
        {
          "StatusType": 4000,
          "Count": 1
        },
        {
          "StatusType": 5000,
          "Count": 0
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/DeviceSummary(2000)",
      "DeviceType": 2000,
      "TotalCount": 1,
      "DeviceStatusSummary": [
        {
          "StatusType": 1000,
          "Count": 0
        },
        {
          "StatusType": 2000,
          "Count": 0
        },
        {
          "StatusType": 3000,
          "Count": 0
        },
        {
          "StatusType": 4000,
          "Count": 1
        },
        {
```

```
          "StatusType": 5000,
          "Count": 0
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/DeviceSummary(9000)",
      "DeviceType": 9000,
      "TotalCount": 0,
      "DeviceStatusSummary": [
        {
          "StatusType": 1000,
          "Count": 0
        },
        {
          "StatusType": 2000,
          "Count": 0
        },
        {
          "StatusType": 3000,
          "Count": 0
        },
        {
          "StatusType": 4000,
          "Count": 0
        },
        {
          "StatusType": 5000,
          "Count": 0
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/DeviceSummary(4000)",
      "DeviceType": 4000,
      "TotalCount": 0,
      "DeviceStatusSummary": [
        {
          "StatusType": 1000,
          "Count": 0
        },
        {
          "StatusType": 2000,
          "Count": 0
        },
        {
          "StatusType": 3000,
          "Count": 0
        },
        {
          "StatusType": 4000,
          "Count": 0
        },
        {
          "StatusType": 5000,
          "Count": 0
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/DeviceSummary(3000)",
      "DeviceType": 3000,
      "TotalCount": 1,
      "DeviceStatusSummary": [
        {
          "StatusType": 1000,
          "Count": 0
        },
        {
          "StatusType": 2000,
          "Count": 1
        },
```

```
          {
            "StatusType": 3000,
            "Count": 0
          },
          {
            "StatusType": 4000,
            "Count": 0
          },
          {
            "StatusType": 5000,
            "Count": 0
          }
        ]
      },
      {
        "@odata.id": "/api/DeviceService/DeviceSummary(8000)",
        "DeviceType": 8000,
        "TotalCount": 1,
        "DeviceStatusSummary": [
          {
            "StatusType": 1000,
            "Count": 0
          },
          {
            "StatusType": 2000,
            "Count": 0
          },
          {
            "StatusType": 3000,
            "Count": 1
          },
          {
            "StatusType": 4000,
            "Count": 0
          },
          {
            "StatusType": 5000,
            "Count": 0
          }
        ]
      }
    ]
}
```


/api/DeviceService/DeviceSummary(Type)

This API represents the device summary information by device status type.

GET method for /api/DeviceService/DeviceSummary(Type)

This method returns the device summary by device status type.

Description	Returns the device summary by status type.
Privilege	VIEW
HTTP response code	200
Example response body	


```
{
"@odata.context": "/api/$metadata#DeviceService.DeviceSummary",
"@odata.type": "#DeviceService.DeviceSummary",
"@odata.id": "/api/DeviceService/DeviceSummary(1000)",
"DeviceType": 1000,
"TotalCount": 8,
```

```
"DeviceStatusSummary":[
{
"@odata.type": "#DeviceService.DeviceStatusSummary",
"StatusType": 1000,
"Count": 8
},
{
"@odata.type": "#DeviceService.DeviceStatusSummary",
"StatusType": 2000,
"Count": 0
},
{
"@odata.type": "#DeviceService.DeviceStatusSummary",
"StatusType": 3000,
"Count": 0
},
{
"@odata.type": "#DeviceService.DeviceStatusSummary",
"StatusType": 4000,
"Count": 0
},
{
"@odata.type": "#DeviceService.DeviceStatusSummary",
"StatusType": 5000,
"Count": 0
}
]
}
```

api/DeviceService/Actions/DeviceService.DevicesPrivilegesAction

This API represents the device privilege information that users have for devices.

POST method for api/DeviceService/Actions/DeviceService.DevicesPrivilegesAction

This method returns the device privilege information that the user has for the device.

Description	Returns the device privilege information that the user has for the device.
Privilege	VIEW
HTTP response code	201

Example request body

```
{
   "DeviceIds": [<comma_separated_device_ids]
}
```

Example response body

```
{
                “DeviceIds”: [100,200,300]
}
```

/api/DeviceService/Actions/DeviceService.DevicesByPrivilegesAction

This API represents the device information that users can access, based on privileges.

POST method for device privileges action

This method returns device information that users can access, based on their privileges.

Description	Returns device information that users can access, based on their privileges.
Privilege	VIEW
HTTP response code	201
Example request body	`{ "Privileges": [<comma_separated_list_of_privileges_names>] }`
Example response body	`{ "Privileges": ["VIEW","CHASSIS_ADMINISTRATOR"] }`

/api/DeviceService/Actions/DeviceService.ExecuteAction

This API represents the remote console preview information.

POST method /api/DeviceService/Actions/DeviceService.ExecuteAction

This method returns the remote console preview information.

Description	Returns the remote console preview information.
Privilege	VIEW
HTTP response codes	201
Example response body	`{ "OperationName": "GET_PREVIEW_SCREEN" }`

/api/DeviceService/DeviceSlotType

This URI represents the slot types.

GET method for DeviceSlotType

This method returns a list of the available slot types.

Description	Returns a list of slot types.

Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#Collection(DeviceService.DeviceSlotType)",
  "@odata.count": 6,
  "value": [
    {
      "SlotType": 1000,
      "SlotName": "UNKNOWN",
      "Description": "Slot type is unknown."
    },
    {
      "SlotType": 2000,
      "SlotName": "Sled Slot",
      "Description": "This is Sled Slot type."
    },
    {
      "SlotType": 3000,
      "SlotName": "Fan Slot",
      "Description": "This is Fan Slot type."
    },
    {
      "SlotType": 4000,
      "SlotName": "IO Module Slot",
      "Description": "This is IO Module Slot type."
    },
    {
      "SlotType": 5000,
      "SlotName": "Chassis Manager Slot",
      "Description": "This is Chassis Manager Slot type."
    },
    {
      "SlotType": 6000,
      "SlotName": "PSU Slot",
      "Description": "This is PSU Slot type."
    }
  ]
}
```


/api/DeviceService/DeviceSettingsMetadata

This URI represents the settings metadata.

GET method for DeviceSettingsMetadata

This method returns a list of device-settings metadata.

Description	Returns a list of settings metadata.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/
$metadata#Collection(DeviceService.DeviceSettingsMetadata)",
    "@odata.count": 24,
    "value": [
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
```

```
            "Id": 1000,
            "Property": "redundancyPolicy",
            "Key": "NO_REDUNDANCY",
            "Value": "No Redundancy",
            "Description": "Redundancy policy type is No redundancy"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 2000,
            "Property": "redundancyPolicy",
            "Key": "GRID_REDUNDANCY",
            "Value": "GRID Redundancy",
            "Description": "Redundancy policy type is GRID redundancy"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 5000,
            "Property": "dhcpProvisioning",
            "Key": "DISABLED",
            "Value": "Disabled",
            "Description": "Dhcp Provisioning is disable"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 6000,
            "Property": "dhcpProvisioning",
            "Key": "ENABLE_ONCE",
            "Value": "Enable Once",
            "Description": "Dhcp Provisioning is enable once"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 7000,
            "Property": "dhcpProvisioning",
            "Key": "ENABLE_ONCE_AFTER_RESET",
            "Value": "Enable Once After Reset",
            "Description": "Dhcp Provisioning is enable once after reset"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 8000,
            "Property": "networkSpeed",
            "Key": "10_MB",
            "Value": "10 MB",
            "Description": "Network speed is 10 MB"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 9000,
            "Property": "networkSpeed",
            "Key": "100_MB",
            "Value": "100 MB",
            "Description": "Network speed is 100 MB"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 11000,
            "Property": "quickSyncAccess",
            "Key": "DISABLED",
            "Value": "Disabled",
            "Description": "QuickSyncAccess is disabled"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 12000,
            "Property": "quickSyncAccess",
            "Key": "READ_ONLY",
            "Value": "Read Only",
            "Description": "QuickSyncAccess is read only"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
```

```
            "Id": 13000,
            "Property": "quickSyncAccess",
            "Key": "READ_WRITE",
            "Value": "Read-Write",
            "Description": "QuickSyncAccess is read write"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 14000,
            "Property": "timeoutLimitUnit",
            "Key": "SECONDS",
            "Value": "Seconds",
            "Description": "Time out limit unit is seconds"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 15000,
            "Property": "timeoutLimitUnit",
            "Key": "MINUTES",
            "Value": "Minutes",
            "Description": "Time out limit unit is minutes"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 16000,
            "Property": "lcdAccess",
            "Key": "DISABLED",
            "Value": "Disabled",
            "Description": "LCD access is disabled"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 17000,
            "Property": "lcdAccess",
            "Key": "VIEW_ONLY",
            "Value": "View Only",
            "Description": "LCD access is view only"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 18000,
            "Property": "lcdAccess",
            "Key": "VIEW_AND_MODIFY",
            "Value": "View and Modify",
            "Description": "LCD access is view and modify"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 19000,
            "Property": "redundancyPolicy",
            "Key": "PSU_REDUNDANCY",
            "Value": "PSU Redundancy",
            "Description": "Redundancy policy type is PSU redundancy"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 19001,
            "Property": "rapidOnPrimaryGrid",
            "Key": "GRID_1",
            "Value": "Grid 1",
            "Description": "Primary Grid 1"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 19002,
            "Property": "rapidOnPrimaryGrid",
            "Key": "GRID_2",
            "Value": "Grid 2",
            "Description": "Primary Grid 2"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
```

```
            "Id": 19003,
            "Property": "lcdLanguage",
            "Key": "en",
            "Value": "English",
            "Description": "English"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 19004,
            "Property": "lcdLanguage",
            "Key": "fr",
            "Value": "French",
            "Description": "French"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 19005,
            "Property": "lcdLanguage",
            "Key": "de",
            "Value": "German",
            "Description": "German"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 19006,
            "Property": "lcdLanguage",
            "Key": "es",
            "Value": "Spanish",
            "Description": "Spanish"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 19007,
            "Property": "lcdLanguage",
            "Key": "ja",
            "Value": "Japanese",
            "Description": "Japanese"
        },
        {
            "@odata.type": "#DeviceService.DeviceSettingsMetadata",
            "Id": 19008,
            "Property": "lcdLanguage",
            "Key": "zh",
            "Value": "Chinese",
            "Description": "Chinese"
        }
    ]
}
```


/api/DeviceService/GlobalExcludes

This URI represents the globally excluded ranges.

GET method for GlobalExcludes

This method returns the globally excluded ranges.

Description	Returns the globally excluded ranges.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "$metadata#Collection(DeviceService.GlobalExclude)",
```

```
  "@odata.count": 4,
  "value": [
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(1)",
      "Id": 1,
      "Identifier": "9PKM9Z1",
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 1,
          "NetworkAddress": "xx.xx.xx.xx"
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(2)",
      "Id": 2,
      "Identifier": null,
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 2,
          "NetworkAddress": "xx.xx.xx.xx"
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(3)",
      "Id": 3,
      "Identifier": "R930PR0",
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 3,
          "NetworkAddress": "xx.xx.xx.xx"
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(4)",
      "Id": 4,
      "Identifier": "IPRange2",
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 4,
          "NetworkAddress": "xx.xx.xx.xx-xx.xx.xx.xx"
        }
      ]
    }
  ]
}
```


POST method for GlobalExcludes

This method globally excludes ranges.

Description	Globally excludes ranges.
Privilege	APPLIANCE_SETUP
HTTP response codes	201
Example request body	


```
{"DeviceIds": [2464,2614,2514]}
```

Example response body	`True`

/api/DeviceService/Actions/DeviceService.AddNetworkRange

This URI adds ranges to the globally excluded range.

POST method for DeviceService.AddNetworkRange

This method adds ranges to global exclusion.

Description	Adds network ranges to global exclusion.
Privilege	APPLIANCE_SETUP
HTTP response codes	204

Example request body

```
{
  "Id": 0,
  "Identifier": "IPRange2",
  "DeviceType": 0,
  "GlobalExcludeDetails": [
    {
      "Id": 0,
      "NetworkAddress": "xx.xx.xx.xx-xx.xx.xx.xx"
    }
  ]
}
```

/api/DeviceService/Actions/DeviceService.EditNetworkRange

This URI edits the global exclusion ranges.

POST method for DeviceService.EditNetworkRange

This method edits ranges in global exclusion.

Description	Edits ranges in global exclusion.
Privilege	APPLIANCE_SETUP
HTTP response codes	204

Example request body

```
  {
"Id": 4,
"Identifier": "IPRange2",
"DeviceType": 0,
"GlobalExcludeDetails": [
  {
    "Id": 0,
    "NetworkAddress": "xx.xx.xx.xx-xx.xx.xx.xx"
  }
```

```
      ]
    }
```

/api/DeviceService/Actions/DeviceService.RemoveFromExclusion

This URI removes ranges from Global Exclusion.

POST method for DeviceService.RemoveFromExclusion

This method removes ranges in global exclusion.

Description	Removes ranges in global exclusion.
Privilege	APPLIANCE_SETUP
HTTP response codes	204
Example request body	

```
{"Ids": [1,2,3,4,5,6]}
```

/api/DeviceService/Actions/DeviceService.ValidateExcludes

This URI validates global exclusion.

POST method for DeviceService.ValidateExcludes

This method validates ranges in global exclusion.

Description	Validates ranges in global exclusion.
Privilege	APPLIANCE_SETUP
HTTP response codes	200
Example request body	

```
{
"Id": 0,
"Identifier": "IPRange2",
"DeviceType": 0,
"GlobalExcludeDetails": [
{
    "Id": 0,
    "NetworkAddress": "xx.xx.xx.xx"
},
{
    "Id": 0,
    "NetworkAddress": "xx.xx.xx.xx-xx.xx.xx.xx"
},
    {
    "Id": 0,
    "NetworkAddress": "xx.xx.xx.xx"
}
]
}
```

/api/DeviceService/Actions/DeviceService.RemoveDevices

This URI deletes an array of devices.

POST method for DeviceService.RemoveDevices

Description	Deletes an array of devices.
Privilege	APPLIANCE_SETUP
HTTP response codes	204
Example request body	`{"DeviceIds": [3714, 1234]}`

8

Diagnostic

Topics:

- /api/DeviceService/Devices(Id)/Actions/DeviceService.Diagnostic

/api/DeviceService/Devices(Id)/Actions/DeviceService.Diagnostic

This URI allows you to execute supported diagnostic commands.

POST method for DeviceService.Diagnostic

This method executes the supported diagnostics commands.

Description

Executes supported diagnostic commands. The following commands are supported:

- ping *IPv4* or ping *DomainName*
- ping6 *IPv6*
- traceroute *IPv4*
- traceroute6 *IPv6*
- netstat
- ifconfig
- arp

Privilege

APPLIANCE_SETUP

HTTP response codes

200

Example request body

```
{
        "Command":"ping www.dell.com"
}
```

Example response body

```
PING www1.ins.dell.com (143.166.83.38) 56(84) bytes of data.
  64 bytes from sg.dell.com (143.166.83.38): icmp_seq=1 ttl=246 time=2.11 ms

  --- www1.ins.dell.com ping statistics ---
  1 packets transmitted, 1 received, 0% packet loss, time 0ms
  rtt min/avg/max/mdev = 2.115/2.115/2.115/0.000 ms
```

9

Groups

Topics:

- /api/GroupService/Groups
- /api/GroupService/Groups(Id)
- /api/GroupService/Groups(Id)/Devices
- /api/GroupService/Groups(Id)/GroupDevicesSummary
- /api/GroupService/Groups(group id)/AllLeafDeviceSummaries
- /api/GroupService/Groups(group id)/AllLeafDeviceSummaries?$filter=Type eq 4000
- /api/GroupService/Groups(group id)/AllLeafDeviceSummaries?$filter=Type eq 4000&$top=25&$skip=0
- /api/GroupService/Groups(group id)/AllLeafDeviceSummaries?$filter=Type eq 4000&$top=25&$skip=0&$orderby=Identifier asc
- /api/GroupService/Groups(Id)/SubGroups
- /api/GroupService/Groups(Id)/GroupHierarchy
- /api/GroupService/GroupTypes
- /api/GroupService/GroupTypes(Id)
- /api/GroupService/MembershipTypes
- /api/GroupService/MembershipTypes(Id)
- /api/GroupService/AllGroupsHierarchy
- /api/GroupService/Actions/GroupService.AddMemberDevices
- /api/GroupService/Actions/GroupService.GroupsPrivilegesAction
- /api/GroupService/Actions/GroupService.GroupsByPrivilegesAction

/api/GroupService/Groups

This URI represents the groups.

GET method for Groups

This method returns a list of groups.

Description	Returns a list of groups.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "$metadata#Collection(GroupService.Group)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/GroupService/Groups(64)",
      "Id": 64,
      "Name": "All Devices",
      "Description": "Group associated to all devices.",
      "GlobalStatus": 5000,
      "ParentId": 0,
      "CreationTime": "2017-06-08 18:48:27.069",
      "UpdatedTime": "2017-06-08 21:05:01.778",
      "CreatedBy": "system",
      "UpdatedBy": "",
      "Visible": true,
      "DefinitionId": 500,
```

```
      "DefinitionDescription": "Root group for all Types of Devices.",
      "TypeId": 2000,
      "MembershipTypeId": 24,
      "Devices": [
        {
          "@odata.id": "/api/GroupService/Groups(64)/Devices"
        }
      ],
      "AllLeafDevices": [
        {
          "@odata.id": "/api/GroupService/Groups(64)/AllLeafDevices"
        }
      ],
      "GroupHierarchy": [
        {
          "@odata.id": "/api/GroupService/Groups(64)/GroupHierarchy"
        }
      ],
      "SubGroups": [
        {
          "@odata.id": "/api/GroupService/Groups(64)/SubGroups"
        }
      ],
      "GroupDevicesSummary": [
        {
          "@odata.id": "/api/GroupService/Groups(64)/GroupDevicesSummary"
        }
      ]
    }
  ]
}
```


Table 102. Attributes

Attribute name	Description
Id	ID of the group.
Name	Name of the group.
Description	Description of the group.
GlobalStatus	Global status of the group. Indicates the health of the group.
ParentId	Parent ID of the group. If the group is a root group, *ParentId* is 0.
CreationTime	Date and time when the group was created.
UpdatedTime	Date and time when the group was updated.
CreatedBy	User who created the group.
UpdatedBy	User who last updated the group.
Visible	Visibility of the group.
DefinitionId	Definition ID of the group.
DefinitionDescription	Definition description of the group.
TypeId	Group type. · 1000 — Internal · 2000 — Predefined · 3000 — User defined · 4000 — Discovery defined · 5000 — MCM group
MembershipTypeId	Group membership type. · 12 — Static

Table 102. Attributes (continued)

Attribute name	Description
	• 24 — Dynamic
Link	
Devices	Group link to list group devices.
AllLeafDevices	Group link to list all group sub groups devices.
GroupHierarchy	Group link to list the group hierarchy.
SubGroup	Group link to display the list of sub groups of this group.
GroupDevicesSummary	Group link to display a summary of all group devices.

Table 103. Filters

Attribute name	Description
Top	Top records to return. Default value is 100.
Skip	Max records to skip. Default value is 0.
Name	Filter by group name.
Description	Filter by group description.
Type	Filter by group type.
MembershipType	Filter by group membership type.
GlobalStatus	Filter by group global status.
DefinitionId	Filter by group definition ID.
DefinitionDescription	Filter by group definition description.
Visible	Filter by group visibility.
CreatedBy	Filter by the entity that created the group.
UpdatedBy	Filter by the entity that updated the group.
CreationTimeBegin	Filter by the start-time when the group was created.
CreationTimeEnd	Filter by the end-time when the group was created.
UpdatedTimeBegin	Filter by the start-time when the group was updated.
UpdatedTimeEnd	Filter by the end-time when the group was updated.

/api/GroupService/Groups(Id)

This URI represents a specific group within the collection.

GET method for Groups(Id)

This method returns the details of a group within the collection.

Description	Returns the details of a group
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#GroupService.Group/$entity",
  "@odata.id": "/api/GroupService/Groups(64)",
  "Id": 64,
  "Name": "All Devices",
  "Description": "Group associated to all devices.",
  "GlobalStatus": 5000,
  "ParentId": 0,
  "CreationTime": "2017-06-08 18:48:27.069",
  "UpdatedTime": "2017-06-08 21:15:01.746",
  "CreatedBy": "system",
  "UpdatedBy": "",
  "Visible": true,
  "DefinitionId": 500,
  "DefinitionDescription": "Root group for all Types of Devices.",
  "TypeId": 2000,
  "MembershipTypeId": 24,
  "Devices": [
    {
      "@odata.id": "/api/GroupService/Groups(64)/Devices"
    }
  ],
  "AllLeafDevices": [
    {
      "@odata.id": "/api/GroupService/Groups(64)/AllLeafDevices"
    }
  ],
  "GroupHierarchy": [
    {
      "@odata.id": "/api/GroupService/Groups(64)/GroupHierarchy"
    }
  ],
  "SubGroups": [
    {
      "@odata.id": "/api/GroupService/Groups(64)/SubGroups"
    }
  ],
  "GroupDevicesSummary": [
    {
      "@odata.id": "/api/GroupService/Groups(64)/GroupDevicesSummary"
    }
  ]
}
```


Table 104. Attributes

Attribute name	Description
Id	ID of the group.
Name	Name of the group.
Description	Description of the group.
GlobalStatus	Global status of the group. Indicates the health of the group.
ParentId	Parent ID of the group. If the group is a root group, *ParentId* is 0.
CreationTime	Date and time when the group was created.
UpdatedTime	Date and time when the group was updated.
CreatedBy	User who created the group.
UpdatedBy	User who last updated the group.
Visible	Visibility of the group.
DefinitionId	Definition ID of the group.

Table 104. Attributes (continued)

Attribute name	Description
DefinitionDescription	Definition description of the group.
TypeId	Group type. · 1000 — Internal · 2000 — Predefined · 3000 — User defined · 4000 — Discovery defined · 5000 — MCM group
MembershipTypeId	Group membership type. · 12 — Static · 24 — Dynamic
Link	
Devices	Group link to list group devices.
AllLeafDevices	Group link to list all group sub groups devices.
GroupHierarchy	Group link to list the group hierarchy.
SubGroup	Group link to display the list of sub groups of this group.
GroupDevicesSummary	Group link to display a summary of all group devices.

PUT method for Groups(Id)

This method updates the settings of a group within the collection.

Description Updates the settings of a group.

Privilege DEVICE_CONFIGURATION

HTTP response codes 200

Example request body

```
{
  "Id": 1564,
  "Name": "Test Group1",
  "Description": "Test Group1",
  "GlobalStatus": 0,
  "DefinitionId": 0,
  "ParentId": 0
}
```

Example response body

```
{
  "Id": 1564,
  "Name": "Test Group1",
  "Description": "Test Group1",
  "TypeId": 3000,
  "MembershipTypeId": 12,
  "GlobalStatus": 5000,
  "ParentId": 0,
  "CreatedBy": "root",
  "UpdatedBy": "root",
  "CreationTime": "2017-06-08 20:14:37.252",
  "UpdatedTime": "2017-06-08 20:20:02.935",
  "Visible": true,
  "Editable": true,
  "DefinitionId": 400,
```

```
  "DefinitionDescription": ""
}
```

DELETE method for Groups(Id)

This method deletes a group from the collection.

Description	Deletes a group.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	204
Example request body	

```
{
  "Id": 1564
}
```

Table 105. Attributes

Attribute name	Description
Id	ID of the group to be deleted.

/api/GroupService/Groups(Id)/Devices

This URI represents the devices within a group.

GET method for Devices

This method returns the list of devices within a specific group.

Description	Returns the list of devices within a group. **NOTE: For more information about the properties for device responses, see DeviceService.**
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(DeviceService.Device)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/DeviceService/Devices(1614)",
      "Id": 1614,
      "Type": 1000,
      "Identifier": "GMGR031",
      "ChassisServiceTag": "GMGR031",
      "Model": "PowerEdge R740xd",
      "PowerState": 17,
      "ManagedState": 5000,
      "Status": 4000,
      "ConnectionState": false,
      "AssetTag": null,
      "SystemId": 1847,
      "DeviceName": "WIN-02GODDHDJTC",
      "LastInventoryTime": "2017-06-08 14:10:43.965",
```

```
      "LastStatusTime": "2017-06-08 21:31:41.519",
      "DeviceCapabilities": [
        32,
        1,
        2,
        3,
        4,
        7,
        9,
        12,
        13,
        14,
        15,
        16,
        17,
        30,
        31
      ],
      "DeviceSubscription": null,
      "DeviceSpecificData": null,
      "SlotConfiguration": {},
      "DeviceManagement": [
        {
          "ManagementId": 5003,
          "NetworkAddress": "fe80::f68e:38ff:fecf:15ba",
          "MacAddress": "",
          "ManagementURL": "https://[ IP Address ]",
          "ManagementType": 2,
          "InstrumentationName": "WIN-02GODDHDJTC",
          "DnsName": "idrac-SVCTAG",
          "Status": 1000
        },
        {
          "ManagementId": 5002,
          "NetworkAddress": "xx.xx.xx.xx",
          "MacAddress": "f4:8e:38:cf:15:ba",
          "ManagementURL": "https://[ IP Address ]",
          "ManagementType": 2,
          "InstrumentationName": "WIN-02GODDHDJTC",
          "DnsName": "idrac-SVCTAG",
          "Status": 1000
        }
      ],
      "InventoryDetails": [
        {
          "@odata.id": "/api/DeviceService/Devices(1614)/InventoryDetails"
        }
      ],
      "HardwareLogs": [
        {
          "@odata.id": "/api/DeviceService/Devices(1614)/HardwareLogs"
        }
      ],
      "SubSystemHealth": [
        {
          "@odata.id": "/api/DeviceService/Devices(1614)/SubSystemHealth"
        }
      ],
      "RecentActivity": [
        {
          "@odata.id": "/api/DeviceService/Devices(1614)/RecentActivity"
        }
      ],
      "InventoryTypes": {
        "@odata.id": "/api/DeviceService/Devices(1614)/InventoryTypes"
      },
      "LogSeverities": {
        "@odata.id": "/api/DeviceService/Devices(1614)/LogSeverities"
      },
      "Settings": [
        {
          "@odata.id": "/api/DeviceService/Devices(1614)/Settings"
```

```
        }
      ],
      "Temperature": {
        "@odata.id": "/api/DeviceService/Devices(1614)/Temperature"
      },
      "Power": {
        "@odata.id": "/api/DeviceService/Devices(1614)/Power"
      },
      "BlinkStatus": {
        "@odata.id": "/api/DeviceService/Devices(1614)/BlinkStatus"
      },
      "PowerUsageByDevice": [
        {
          "@odata.id": "/api/DeviceService/Devices(1614)/PowerUsageByDevice"
        }
      ],
      "Faults": [
        {
          "@odata.id": "/api/DeviceService/Devices(1614)/Faults"
        }
      ],
      "DeviceBladeSlots": [
        {
          "@odata.id": "/api/DeviceService/Devices(1614)/DeviceBladeSlots"
        }
      ],
      "GraphicInfo": {
        "@odata.id": "/api/DeviceService/Devices(1614)/GraphicInfo"
      }
    }
]
}
```


Table 106. Attributes

Attribute name	Description
Id	ID of the group.

/api/GroupService/Groups(Id)/GroupDevicesSummary

This URI represents the device summary for a group.

GET method for GroupDevicesSummary

This method returns the device summary of a group. The summary contains the device types and their status. The status indicates the health of each set of devices.

Description	Returns the device summary of a group.
Privilege	VIEW
HTTP response codes	
Example response body	


```
{
  "@odata.context": "$metadata#Collection(GroupService.GroupDevicesSummary)",
  "@odata.count": 1,
  "value": [
    {
      "DeviceType": 1000,
      "TotalCount": 55,
      "GroupDevicesStatusSummary": [
```

```
          {
            "StatusType": 1000,
            "Count": 29
          },
          {
            "StatusType": 2000,
            "Count": 5
          },
          {
            "StatusType": 3000,
            "Count": 4
          },
          {
            "StatusType": 4000,
            "Count": 17
          },
          {
            "StatusType": 5000,
            "Count": 0
          }
        ]
      }
    ]
}
```


Table 107. Attributes

Attribute name	Description
Id	ID of the group.

/api/GroupService/Groups(group id)/AllLeafDeviceSummaries

This URL returns the device data in the specified group.

GET method for AllLeafDeviceSummaries

Description	Returns the device data in the specified group.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
    "@odata.context": "/api/
$metadata#Collection(DeviceService.DeviceMinModel)",
    "@odata.count": 25,
    "value": [
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(14164)",
            "Id": 14164,
            "DeviceName": "100.97.135.51",
            "Model": "PowerEdge FM120",
            "Identifier": "8FWV992d",
            "DeviceServiceTag": "8FWV992",
            "Type": 1000,
            "Status": 1000,
            "PowerState": 18,
            "ConnectionState": true,
            "ManagedState": 3000,
```

```
            "DeviceCapabilities": [
                1,
                12,
                5,
                41,
                2,
                30,
                8,
                9,
                1009,
                10,
                14,
                4,
                6,
                3,
                18,
                15,
                7,
                31,
                13,
                50
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 14164,
                    "ManagementId": 5000,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "74:86:7a:e5:c5:fe",
                    "InstrumentationName": "idrac-8FWV992d",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5000,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "2.63.60.62",
                            "ManagementURL": "https://XXX.XX.XXX.XX:XXX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(14214)",
            "Id": 14214,
            "DeviceName": "XXX.XX.XXX.XX",
            "Model": "PowerEdge FM120",
            "Identifier": "8FWV992c",
            "DeviceServiceTag": "8FWV992",
            "Type": 1000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 3000,
            "DeviceCapabilities": [
                4,
                15,
                3,
                14,
                18,
                30,
                13,
                12,
                1,
                31,
                10,
                1009,
                9,
                2,
                41,
```

```
                8,
                7,
                6,
                5,
                50
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 14214,
                    "ManagementId": 5001,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "74:86:7a:e5:c5:fc",
                    "InstrumentationName": "idrac-2476qm2.fwtestwin.com",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5001,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "2.63.60.62",
                            "ManagementURL": "https://XXX.XX.XXX.XX:XXX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(14264)",
            "Id": 14264,
            "DeviceName": "XXX.XX.XXX.XX",
            "Model": "PowerEdge FM120",
            "Identifier": "8FWV992a",
            "DeviceServiceTag": "8FWV992",
            "Type": 1000,
            "Status": 1000,
            "PowerState": 18,
            "ConnectionState": true,
            "ManagedState": 3000,
            "DeviceCapabilities": [
                14,
                31,
                30,
                12,
                8,
                13,
                7,
                41,
                15,
                18,
                6,
                10,
                3,
                1,
                4,
                9,
                2,
                5,
                1009,
                50
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 14264,
                    "ManagementId": 5002,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "74:86:7a:e5:c5:f8",
                    "InstrumentationName": "idrac-8FWV992a",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5002,
```

```
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "2.63.60.62",
                            "ManagementURL": "https://XXX.XX.XXX.XX:XXX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(14314)",
            "Id": 14314,
            "DeviceName": "100.97.135.58",
            "Model": "PowerEdge FM120",
            "Identifier": "8FWV992b",
            "DeviceServiceTag": "8FWV992",
            "Type": 1000,
            "Status": 3000,
            "PowerState": 18,
            "ConnectionState": true,
            "ManagedState": 3000,
            "DeviceCapabilities": [
                6,
                18,
                2,
                1009,
                3,
                4,
                5,
                50,
                7,
                41,
                8,
                9,
                10,
                31,
                12,
                13,
                14,
                30,
                15,
                1
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 14314,
                    "ManagementId": 5003,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "74:86:7a:e5:c5:fa",
                    "InstrumentationName": "idrac-8FWV992b",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5003,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "2.63.60.62",
                            "ManagementURL": "https://XXX.XX.XXX.XX:XXX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(14364)",
            "Id": 14364,
            "DeviceName": "MINWINPC",
```

```
            "Model": "Dell XC430-Express",
            "Identifier": "1HYZT72",
            "DeviceServiceTag": "1HYZT72",
            "Type": 1000,
            "Status": 3000,
            "PowerState": 18,
            "ConnectionState": true,
            "ManagedState": 3000,
            "DeviceCapabilities": [
                6,
                12,
                4,
                1009,
                41,
                15,
                31,
                30,
                1001,
                9,
                5,
                18,
                14,
                2,
                13,
                1,
                50,
                3,
                10
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 14364,
                    "ManagementId": 5004,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "10:98:36:9a:ee:03",
                    "InstrumentationName": "MINWINPC",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5004,
                            "ManagementId": 0,
                            "AgentName": "VxRail",
                            "Version": "2.50.50.50",
                            "ManagementURL": "https://XXX.XX.XXX.XX:XXX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15112)",
            "Id": 15112,
            "DeviceName": "MINWINPC",
            "Model": "unknown",
            "Identifier": "8FSZ992",
            "DeviceServiceTag": "8FSZ992",
            "Type": 1000,
            "Status": 4000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 3000,
            "DeviceCapabilities": [
                1001,
                18,
                41
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15112,
                    "ManagementId": 5010,
```

```
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "64:00:6a:c4:13:a8",
                    "InstrumentationName": "MINWINPC",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5010,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "2.61.60.60",
                            "ManagementURL": "https://XXX.XX.XXX.XX:XXX"
                        }
                    ]
                }
            ],
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                        }
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                }
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                6,
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                1009,
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                10,
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                13,
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                14,
                15,
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                            "AgentName": "iDRAC",
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                        }
                    ]
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            "PowerState": 17,
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                            "AgentName": "iDRAC",
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                        }
                    ]
                }
            ],
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            "ManagedState": 7000,
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            "Model": "PowerEdge M620",
            "Identifier": "6FP7F2S",
            "DeviceServiceTag": "6FP7F2S",
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                    ]
                }
            ],
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            "Identifier": "1HZ5V72",
            "DeviceServiceTag": "1HZ5V72",
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            "Status": 1000,
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                9,
                2,
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                8,
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                7,
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                        }
                    ]
                }
            ],
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            "Model": "PowerEdge FC430",
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                6,
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                7,
                9,
                18,
                4,
                5
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            "Model": "PowerEdge MX7000",
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            "DeviceServiceTag": "8ZG70T2",
            "Type": 2000,
            "Status": 4000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 3000,
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                7,
                50,
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                2,
                201
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                    "ManagementId": 5280,
                    "NetworkAddress": "XXX.XX.XXX.XX",
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                    "InstrumentationName": "MX-8ZG70T2",
                    "ManagementProfile": [
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                        }
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            "Status": 1000,
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                10,
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                17,
                15,
                41,
                13,
                33
            ],
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                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "3.36.36.36",
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                        }
                    ]
                }
            ],
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            "Model": "PowerEdge MX840c",
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            "DeviceServiceTag": "6KB7BS2",
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                4,
                5,
                6,
                7,
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                10,
                11,
                12,
                13,
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                15,
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                31,
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                41,
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                1009
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                    "ManagementProfile": [
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                            "ManagementProfileId": 5303,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "3.36.36.36",
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                        }
                    ]
                }
            ],
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            "Model": "MX5108n Ethernet Switch",
            "Identifier": "8Y280T2",
            "DeviceServiceTag": "8Y280T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
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                2,
                9,
                7,
                5
            ],
            "DeviceManagement": [
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                    "ManagementId": 5294,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "20:04:0F:13:3C:E2",
                    "InstrumentationName": "MX5108n Ethernet Switch",
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                            "ManagementProfileId": 5294,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
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                        }
                    ]
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                    "ManagementId": 5295,
                    "NetworkAddress": "2607:f2b1:f083:133::2b6",
                    "MacAddress": "20:04:0F:13:3C:E2",
                    "InstrumentationName": "MX5108n Ethernet Switch",
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                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://
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                        }
                    ]
                }
            ],
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            "Id": 15254,
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            "Model": "MX7116n Fabric Expander Module",
            "Identifier": "8Z9D0T2",
            "DeviceServiceTag": "8Z9D0T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
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                7,
                9,
                5,
                1,
                3
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            "Id": 15255,
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            "Model": "MX5108n Ethernet Switch",
            "Identifier": "8XZ70T2",
            "DeviceServiceTag": "8XZ70T2",
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            "Status": 1000,
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            "ManagedState": 7000,
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                9,
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                7,
                2,
                18,
                8
            ],
            "DeviceManagement": [
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                    "MacAddress": "20:04:0F:12:DF:62",
                    "InstrumentationName": "MX5108n Ethernet Switch",
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                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                },
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                    "ManagementId": 5293,
                    "NetworkAddress": "2607:f2b1:f083:133::78",
                    "MacAddress": "20:04:0F:12:DF:62",
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                    "ManagementProfile": [
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                            "ManagementId": 0,
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                            "Version": null,
                            "ManagementURL": "http://
[2607:f2b1:f083:133::78]"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
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        {
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AllLeafDeviceSummaries(15256)",
            "Id": 15256,
            "DeviceName": "IOM-B1",
            "Model": "MX7116n Fabric Expander Module",
            "Identifier": "902B0T2",
            "DeviceServiceTag": "902B0T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
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                9,
                1,
                2,
                7,
                5
            ],
            "DeviceManagement": [],
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        },
        {
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            "Id": 15382,
            "DeviceName": "100.97.135.63",
            "Model": "PowerEdge M620",
            "Identifier": "4T36G2S",
            "DeviceServiceTag": "4T36G2S",
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            "Status": 3000,
            "PowerState": 17,
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                1001,
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                50,
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                10,
                31,
                18,
                1,
                30,
                9,
                3,
                13,
                41,
                8
            ],
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                    "ManagementId": 5222,
                    "NetworkAddress": "XXX.XX.XXX.XX",
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                    "InstrumentationName": "bharathsled1",
                    "ManagementProfile": [
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                            "ManagementProfileId": 5222,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "2.63.60.62",
                            "ManagementURL": "https://XXX.XX.XXX.XX:XXX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
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            "Id": 15388,
            "DeviceName": "WIN-8U5E5RHPHL0",
            "Model": "PowerEdge MX840c",
            "Identifier": "6K98BS2",
            "DeviceServiceTag": "6K98BS2",
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            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 3000,
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                15,
                30,
                14,
                13,
                12,
                31,
                11,
                1,
                10,
                9,
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                33,
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                50,
                5,
                4,
                17,
                3,
                1009,
                2,
                18
            ],
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                    "DeviceId": 15388,
                    "ManagementId": 5306,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "d0:94:66:8b:49:4f",
                    "InstrumentationName": "WIN-8U5E5RHPHL0",
                    "ManagementProfile": [
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                            "ManagementProfileId": 5306,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "3.36.36.36",
                            "ManagementURL": "https://XXX.XX.XXX.XX:XXX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
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        {
            "@odata.type": "#DeviceService.DeviceMinModel",
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AllLeafDeviceSummaries(15389)",
            "Id": 15389,
            "DeviceName": "100.97.133.80",
            "Model": "PowerEdge MX740c",
            "Identifier": "4RKG9V2",
            "DeviceServiceTag": "4RKG9V2",
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            "Status": 4000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 3000,
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                4,
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                12,
                16,
                13,
                14
```

```
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15389,
                    "ManagementId": 5301,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "d0:94:66:87:af:3c",
                    "InstrumentationName": "idrac-4RKG9V2",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5301,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "3.36.36.36",
                            "ManagementURL": "https://XXX.XX.XXX.XX:xxx"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15390)",
            "Id": 15390,
            "DeviceName": "MXG610s FC Switch 2SFP",
            "Model": "MXG610s FC Switch 2SFP",
            "Identifier": "0FM3R3A01CN7969096FC008",
            "DeviceServiceTag": null,
            "Type": 4000,
            "Status": 3000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                7,
                3,
                5,
                9,
                8,
                2,
                1
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15390,
                    "ManagementId": 5296,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "88:94:71:DB:E8:98",
                    "InstrumentationName": "MXG610s FC Switch 2SFP",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5296,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        }
    ]
}
```

/api/GroupService/Groups(group id)/AllLeafDeviceSummaries?$filter=Type eq 4000

This URL returns the device data by specifying the device type.

Get method for AllLeafDeviceSummaries?$filter=Type eq 4000

Description	Returns the device data specified by device type.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/
$metadata#Collection(DeviceService.DeviceMinModel)",
    "@odata.count": 5,
    "value": [
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15253)",
            "Id": 15253,
            "DeviceName": "MX5108n Ethernet Switch",
            "Model": "MX5108n Ethernet Switch",
            "Identifier": "8Y280T2",
            "DeviceServiceTag": "8Y280T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                18,
                1,
                3,
                8,
                2,
                9,
                7,
                5
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15253,
                    "ManagementId": 5294,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "20:04:0F:13:3C:E2",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5294,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                },
                {
                    "DeviceId": 15253,
                    "ManagementId": 5295,
```

```
                    "NetworkAddress": "2607:f2b1:f083:133::2b6",
                    "MacAddress": "20:04:0F:13:3C:E2",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5295,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://
[2607:f2b1:f083:133::2b6]"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15254)",
            "Id": 15254,
            "DeviceName": "IOM-B2",
            "Model": "MX7116n Fabric Expander Module",
            "Identifier": "8Z9D0T2",
            "DeviceServiceTag": "8Z9D0T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                2,
                7,
                9,
                5,
                1,
                3
            ],
            "DeviceManagement": [],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15255)",
            "Id": 15255,
            "DeviceName": "MX5108n Ethernet Switch",
            "Model": "MX5108n Ethernet Switch",
            "Identifier": "8XZ70T2",
            "DeviceServiceTag": "8XZ70T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                1,
                5,
                9,
                3,
                7,
                2,
                18,
                8
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15255,
                    "ManagementId": 5292,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "20:04:0F:12:DF:62",
```

```
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5292,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                },
                {
                    "DeviceId": 15255,
                    "ManagementId": 5293,
                    "NetworkAddress": "2607:f2b1:f083:133::78",
                    "MacAddress": "20:04:0F:12:DF:62",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5293,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://
[2607:f2b1:f083:133::78]"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15256)",
            "Id": 15256,
            "DeviceName": "IOM-B1",
            "Model": "MX7116n Fabric Expander Module",
            "Identifier": "902B0T2",
            "DeviceServiceTag": "902B0T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                3,
                9,
                1,
                2,
                7,
                5
            ],
            "DeviceManagement": [],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15390)",
            "Id": 15390,
            "DeviceName": "MXG610s FC Switch 2SFP",
            "Model": "MXG610s FC Switch 2SFP",
            "Identifier": "0FM3R3A01CN7969096FC008",
            "DeviceServiceTag": null,
            "Type": 4000,
            "Status": 3000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                7,
```

```
                3,
                5,
                9,
                8,
                2,
                1
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15390,
                    "ManagementId": 5296,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "88:94:71:DB:E8:98",
                    "InstrumentationName": "MXG610s FC Switch 2SFP",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5296,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        }
    ]
}
```


/api/GroupService/Groups(group id)/AllLeafDeviceSummaries?$filter=Type eq 4000&$top=25&$skip=0

This URL returns the specified list of device data beginning with the first device in the list and can also skip the specified number of devices.

GET method for AllLeafDeviceSummaries?$filter=Type eq 4000&$top=25&$skip=0

Description	Returns the specified list of device data beginning with the first device in the list and can also skip the specified number of devices.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
    "@odata.context": "/api/
$metadata#Collection(DeviceService.DeviceMinModel)",
    "@odata.count": 5,
    "value": [
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15253)",
            "Id": 15253,
            "DeviceName": "MX5108n Ethernet Switch",
```

```
            "Model": "MX5108n Ethernet Switch",
            "Identifier": "8Y280T2",
            "DeviceServiceTag": "8Y280T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                18,
                1,
                3,
                8,
                2,
                9,
                7,
                5
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15253,
                    "ManagementId": 5294,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "20:04:0F:13:3C:E2",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5294,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                },
                {
                    "DeviceId": 15253,
                    "ManagementId": 5295,
                    "NetworkAddress": "2607:f2b1:f083:133::2b6",
                    "MacAddress": "20:04:0F:13:3C:E2",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5295,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://
[2607:f2b1:f083:133::2b6]"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15254)",
            "Id": 15254,
            "DeviceName": "IOM-B2",
            "Model": "MX7116n Fabric Expander Module",
            "Identifier": "8Z9D0T2",
            "DeviceServiceTag": "8Z9D0T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                2,
                7,
```

```
                9,
                5,
                1,
                3
            ],
            "DeviceManagement": [],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15255)",
            "Id": 15255,
            "DeviceName": "MX5108n Ethernet Switch",
            "Model": "MX5108n Ethernet Switch",
            "Identifier": "8XZ70T2",
            "DeviceServiceTag": "8XZ70T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                1,
                5,
                9,
                3,
                7,
                2,
                18,
                8
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15255,
                    "ManagementId": 5292,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "20:04:0F:12:DF:62",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5292,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                },
                {
                    "DeviceId": 15255,
                    "ManagementId": 5293,
                    "NetworkAddress": "2607:f2b1:f083:133::78",
                    "MacAddress": "20:04:0F:12:DF:62",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5293,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://
[2607:f2b1:f083:133::78]"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
```

```
AllLeafDeviceSummaries(15256)",
            "Id": 15256,
            "DeviceName": "IOM-B1",
            "Model": "MX7116n Fabric Expander Module",
            "Identifier": "902B0T2",
            "DeviceServiceTag": "902B0T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                3,
                9,
                1,
                2,
                7,
                5
            ],
            "DeviceManagement": [],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15390)",
            "Id": 15390,
            "DeviceName": "MXG610s FC Switch 2SFP",
            "Model": "MXG610s FC Switch 2SFP",
            "Identifier": "0FM3R3A01CN7969096FC008",
            "DeviceServiceTag": null,
            "Type": 4000,
            "Status": 3000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                7,
                3,
                5,
                9,
                8,
                2,
                1
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15390,
                    "ManagementId": 5296,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "88:94:71:DB:E8:98",
                    "InstrumentationName": "MXG610s FC Switch 2SFP",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5296,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        }
    ]
}
```

/api/GroupService/Groups(group id)/AllLeafDeviceSummaries?$filter=Type eq 4000&$top=25&$skip=0&$orderby=Identifier asc

This URL returns the device data by specifying the order—ascending or descending.

GET method for AllLeafDeviceSummaries?$filter=Type eq 4000&$top=25&$skip=0&$orderby=Identifier asc

Description	Returns the device data by specifying the order—ascending or descending.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/
$metadata#Collection(DeviceService.DeviceMinModel)",
    "@odata.count": 5,
    "value": [
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15390)",
            "Id": 15390,
            "DeviceName": "MXG610s FC Switch 2SFP",
            "Model": "MXG610s FC Switch 2SFP",
            "Identifier": "0FM3R3A01CN7969096FC008",
            "DeviceServiceTag": null,
            "Type": 4000,
            "Status": 3000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                7,
                3,
                5,
                9,
                8,
                2,
                1
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15390,
                    "ManagementId": 5296,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "88:94:71:DB:E8:98",
                    "InstrumentationName": "MXG610s FC Switch 2SFP",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5296,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
```

```
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15255)",
            "Id": 15255,
            "DeviceName": "MX5108n Ethernet Switch",
            "Model": "MX5108n Ethernet Switch",
            "Identifier": "8XZ70T2",
            "DeviceServiceTag": "8XZ70T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                1,
                5,
                9,
                3,
                7,
                2,
                18,
                8
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15255,
                    "ManagementId": 5292,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "20:04:0F:12:DF:62",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5292,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                },
                {
                    "DeviceId": 15255,
                    "ManagementId": 5293,
                    "NetworkAddress": "2607:f2b1:f083:133::78",
                    "MacAddress": "20:04:0F:12:DF:62",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5293,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://
[2607:f2b1:f083:133::78]"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15253)",
            "Id": 15253,
            "DeviceName": "MX5108n Ethernet Switch",
            "Model": "MX5108n Ethernet Switch",
            "Identifier": "8Y280T2",
            "DeviceServiceTag": "8Y280T2",
            "Type": 4000,
```

```
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                18,
                1,
                3,
                8,
                2,
                9,
                7,
                5
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 15253,
                    "ManagementId": 5294,
                    "NetworkAddress": "XXX.XX.XXX.XX",
                    "MacAddress": "20:04:0F:13:3C:E2",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5294,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://XXX.XX.XXX.XX"
                        }
                    ]
                },
                {
                    "DeviceId": 15253,
                    "ManagementId": 5295,
                    "NetworkAddress": "2607:f2b1:f083:133::2b6",
                    "MacAddress": "20:04:0F:13:3C:E2",
                    "InstrumentationName": "MX5108n Ethernet Switch",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5295,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "http://
[2607:f2b1:f083:133::2b6]"
                        }
                    ]
                }
            ],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15254)",
            "Id": 15254,
            "DeviceName": "IOM-B2",
            "Model": "MX7116n Fabric Expander Module",
            "Identifier": "8Z9D0T2",
            "DeviceServiceTag": "8Z9D0T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                2,
                7,
                9,
                5,
                1,
                3
```

```
            ],
            "DeviceManagement": [],
            "IpAddress": "XXX.XX.XXX.XX"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(15256)",
            "Id": 15256,
            "DeviceName": "IOM-B1",
            "Model": "MX7116n Fabric Expander Module",
            "Identifier": "902B0T2",
            "DeviceServiceTag": "902B0T2",
            "Type": 4000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 7000,
            "DeviceCapabilities": [
                3,
                9,
                1,
                2,
                7,
                5
            ],
            "DeviceManagement": [],
            "IpAddress": "XXX.XX.XXX.XX"
        }
    ]
}
```


/api/GroupService/Groups(Id)/SubGroups

This URI represents the subgroups of a specific group.

GET method for SubGroups

This method returns the list of subgroups of a specific group.

Description	Returns the list of subgroups.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#Collection(GroupService.Group)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/GroupService/Groups(19164)",
      "Id": 19164,
      "Name": "Test Group2",
      "Description": "Test Group1",
      "GlobalStatus": 0,
      "ParentId": 64,
      "CreationTime": "2017-06-08 21:34:42.681",
      "UpdatedTime": "2017-06-08 21:34:42.681",
      "CreatedBy": "root",
      "UpdatedBy": "",
      "Visible": true,
      "DefinitionId": 400,
      "DefinitionDescription": "UserDefined",
```

```
      "TypeId": 3000,
      "MembershipTypeId": 12,
      "Devices": [
        {
          "@odata.id": "/api/GroupService/Groups(19164)/Devices"
        }
      ],
      "AllLeafDevices": [
        {
          "@odata.id": "/api/GroupService/Groups(19164)/AllLeafDevices"
        }
      ],
      "GroupHierarchy": [
        {
          "@odata.id": "/api/GroupService/Groups(19164)/GroupHierarchy"
        }
      ],
      "SubGroups": [
        {
          "@odata.id": "/api/GroupService/Groups(19164)/SubGroups"
        }
      ],
      "GroupDevicesSummary": [
        {
          "@odata.id": "/api/GroupService/Groups(19164)/GroupDevicesSummary"
        }
      ]
    }
  ]
}
```


Table 108. Attributes

Attribute name	Description
Id	ID of the group.
Name	Name of the group.
Description	Description of the group.
GlobalStatus	Global status of the group. Indicates the health of the group.
ParentId	Parent ID of the group. If the group is a root group, *ParentId* is 0.
CreationTime	Date and time when the group was created.
UpdatedTime	Date and time when the group was updated.
CreatedBy	User who created the group.
UpdatedBy	User who last updated the group.
Visible	Visibility of the group.
DefinitionId	Definition ID of the group.
DefinitionDescription	Definition description of the group.
TypeId	Group type. · 1000 — Internal · 2000 — Predefined · 3000 — User defined · 4000 — Discovery defined · 5000 — MCM group
MembershipTypeId	Group membership type. · 12 — Static · 24 — Dynamic

Table 108. Attributes (continued)

Attribute name	Description
Link	
Devices	Group link to list group devices.
AllLeafDevices	Group link to list all group sub groups devices.
GroupHierarchy	Group link to list the group hierarchy.
SubGroup	Group link to display the list of sub groups of this group.
GroupDevicesSummary	Group link to display a summary of all group devices.

/api/GroupService/Groups(Id)/GroupHierarchy

This URI represents the hierarchy of the subgroup within a group.

GET method for GroupHierarchy

This method returns the hierarchy of the subgroups within a group.

Description	Returns the hierarchy of the subgroups.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(GroupService.GroupHierarchy)",
  "@odata.count": 1,
  "value": [
    {
      "ParentGroupId": 64,
      "ChildGroupId": 19164
    }
  ]
}
```

Table 109. Attributes

Attribute name	Description
Id	ID of the group.
ParentGroupId	ID of the parent group.
ChildGroupId	ID of the subgroup within the group.

/api/GroupService/GroupTypes

This URI represents the group types.

GET method for GroupTypes

This method returns a list of all the group types.

Description	Returns all the group types.
Privilege	VIEW

HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#Collection(GroupService.GroupType)",
  "@odata.count": 5,
  "value": [
    {
      "@odata.id": "/api/GroupService/GroupTypes(1000)",
      "Id": 1000,
      "Name": "Internal Group",
      "Description": "Internal group. This type is asssocated with a task
operation."
    },
    {
      "@odata.id": "/api/GroupService/GroupTypes(2000)",
      "Id": 2000,
      "Name": "Pre-Defined Group",
      "Description": "Pre-existing group."
    },
    {
      "@odata.id": "/api/GroupService/GroupTypes(3000)",
      "Id": 3000,
      "Name": "User Defined",
      "Description": "Information for this group comes from user input."
    },
    {
      "@odata.id": "/api/GroupService/GroupTypes(4000)",
      "Id": 4000,
      "Name": "Discovery Defined",
      "Description": "Information for this group comes from an automatic
operation."
    },
    {
      "@odata.id": "/api/GroupService/GroupTypes(5000)",
      "Id": 5000,
      "Name": "MCM Group",
      "Description": "Multi-Chassis Internal Group."
    }
  ]
}
```

Table 110. Attributes

Attribute name	Description
Id	ID of the group type.
Name	Name of the group type.
Description	Description of the group type.

/api/GroupService/GroupTypes(Id)

This URI represents a group type within the collection.

GET method for GroupTypes(Id)

This method returns the details of a specific group from the collection.

Description	Returns the details of a specific group.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#GroupService.GroupType/$entity",
  "@odata.id": "/api/GroupService/GroupTypes(1000)",
  "Id": 1000,
  "Name": "Internal Group",
  "Description": "Internal group. This type is associated with a task
operation."
}
```

Table 111. Attributes

Attribute name	Description
Id	ID of the group type.
Name	Name of the group type.
Description	Description of the group type.

/api/GroupService/MembershipTypes

This URI represents the membership types.

GET method for MembershipTypes

This method returns all the membership types.

Description	Returns all membership types.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#Collection(GroupService.MembershipType)",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/GroupService/MembershipTypes(12)",
      "Id": 12,
      "Name": "Static",
      "Description": "Static type"
    },
    {
      "@odata.id": "/api/GroupService/MembershipTypes(24)",
      "Id": 24,
      "Name": "Dynamic",
      "Description": "Dynamic type"
    }
  ]
}
```

Table 112. Attributes

Attribute name	Description
Id	ID of the membership type.
Name	Name of the membership type.
Description	Description of the membership type.

/api/GroupService/MembershipTypes(Id)

This URI represents a specific membership type within the collection.

GET method for MembershipTypes(Id)

This method returns the details of a specific membership type.

Description	Returns the details of a specific membership type.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#GroupService.MembershipType/$entity",
  "@odata.id": "/api/GroupService/MembershipTypes(12)",
  "Id": 12,
  "Name": "Static",
  "Description": "Static type"
}
```

Table 113. Attributes

Attribute name	Description
Id	ID of the membership type.
Name	Name of the membership type.
Description	Description of the membership type.

/api/GroupService/AllGroupsHierarchy

This URI represents the hierarchy of all the groups and subgroups.

GET method for AllGroupsHierarchy

This method returns the hierarchy of all the groups and subgroups.

Description	Returns the hierarchy of all the groups and subgroups.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(GroupService.GroupHierarchy)",
  "@odata.count": 4,
  "value": [
    {
      "ParentGroupId": 0,
      "ChildGroupId": 64
    },
    {
      "ParentGroupId": 0,
      "ChildGroupId": 114
    },
    {
      "ParentGroupId": 0,
```

```
      "ChildGroupId": 2614
    },
    {
      "ParentGroupId": 64,
      "ChildGroupId": 19164
    }
  ]
}
```

/api/GroupService/Actions/GroupService.AddMemberDevices

POST method for GroupService.AddMemberDevices

This method adds a device as a member to a group.

Description	Adds a device to a group.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	201

Example request body

```
{
  "GroupId": 100,
  "MemberDeviceIds" : [1414, 1464, 1214, 1264]
}
```

/api/GroupService/Actions/GroupService.GroupsPrivilegesAction

POST method for GroupService.GroupsPrivilegesAction

This method returns the group privileges for the logged-in user.

Description	Returns the group privileges for the user. To view the privileges of multiple groups, provide the group IDs separated by a comma.
Privilege	VIEW
HTTP response codes	200

Example request body

```
{
  "GroupIds": [<comma_separated_group_ids>]
}
```

Example response body

```
List of privileges for the user
{
  "Privileges": [
    "TEMPLATE_MANAGEMENT",
    "SECURITY_SETUP",
    "DEVICE_UPDATE",
```

```
    "JOB_MANAGEMENT",
    "BASELINE_MANAGEMENT",
    "OPERATING_SYSTEM_DEPLOYMENT",
    "POWER_CONTROL",
    "DEVICE_CONFIGURATION",
    "MONITORING_SETUP",
    "POWER_MANAGEMENT",
    "VIEW",
    "APPLIANCE_SETUP"
  ]
}
```

/api/GroupService/Actions/GroupService.GroupsByPrivilegesAction

POST method for GroupService.GroupsByPrivilegesAction

This method returns the groups and devices on which the user has the specified privileges.

Description	Returns the groups and devices on which the user has the specified privileges. To view the groups and devices for multiple privileges, provide the privilege names separated by a comma.
Privilege	VIEW
HTTP response codes	200

Example request body

```
{
  "IncludeLeafs": true, // optional parameter, if not included then default
if false
  "Privileges": [[<comma_separated_list_of_privileges_names >] // ex.
["DEVICE_UPDATE"]
}
```

Example response body

```
List of groups on which the user the specified privilege.
```

10

Monitor

Topics:

- Audit logs
- Jobs

Audit logs

/api/ApplicationService/AuditLogs

This URI represents a collection of audit logs of the system.

GET method for AuditLogs

This method returns a collection of audit logs of the system.

Description	Returns a collection of audit logs.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "$metadata#Collection(ApplicationService.AuditLog)",
  "@odata.count": 7,
  "value": [
    {
      "@odata.id": "/api/ApplicationService/AuditLogs(7)",
      "Id": 7,
      "Severity": "1000",
      "Message": "Successfully logged in.",
      "Category": "Audit",
      "UserName": "root",
      "IpAddress": "xx.xx.xx.xx",
      "MessageArgs": "root || xx.xx.xx.xx",
      "MessageID": "CUSR0001",
      "CreatedDate": "2017-04-26 16:13:57.880"
    },
    {
      "@odata.id": "/api/ApplicationService/AuditLogs(6)",
      "Id": 6,
      "Severity": "1000",
      "Message": "Successfully logged in.",
      "Category": "Audit",
      "UserName": "root",
      "IpAddress": "xx.xx.xx.xx",
      "MessageArgs": "root || xx.xx.xx.xx",
      "MessageID": "CUSR0001",
      "CreatedDate": "2017-04-26 16:13:19.715"
    }
}
```

/api/ApplicationService/AuditLogCategories

This API represents information about audit log categories.

GET method for /api/ApplicationService/AuditLogCategories

This method returns the audit log categories.

Description	Returns the audit log categories.
Privilege	
HTTP response code	200
Example response body	

```
{
"@odata.context": "/api/
$metadata#Collection(ApplicationService.AuditLogCategories)",
"@odata.count": 1,
"value":[
{
"@odata.type": "#ApplicationService.AuditLogCategories",
"Name": "Application",
"CategoriesDetails":[
{
"Name": "Audit",
"CatalogName": "",
"SubCategoryDetails":[{"Name": "CUSR", "Prefix": "CUSR", "Description": "" }
…]
},
{
"Name": "Configuration",
"CatalogName": "",
"SubCategoryDetails":[{"Name": "CJOB", "Prefix": "CJOB", "Description": "" },
…]
}
]
}
]
}
```

/api/ApplicationService/AuditLogs(Id)

This URI represents a specific audit log within the collection.

GET method for AuditLogs(Id)

This method returns the details of a specific event or error message.

Description	Returns the details of a specific event or error message.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(ApplicationService.AuditLog)",
  "@odata.count": 7,
  "value": [
    {
      "@odata.id": "/api/ApplicationService/AuditLogs(7)",
      "Id": 7,
      "Severity": "1000",
      "Message": "Successfully logged in.",
      "Category": "Audit",
      "UserName": "root",
```

```
      "IpAddress": "xx.xx.xx.xx",
      "MessageArgs": "root || xx.xx.xx.xx",
      "MessageID": "CUSR0001",
      "CreatedDate": "2017-04-26 16:13:57.880"

}
```

Table 114. Attributes

Attribute	Description
Id	Identifier of the SessionService.
Severity	Severity of the event or error message. Possible values are Critical, Warning, and Informational.
Message	Message text.
Category	Category of the message.
UserName	Authenticated user who generated the message.
IpAddress	IP address of the authenticated user.
MessageArgs	Message parameters associated with the message.
MessageID	Message identifier.
CreatedDate	Date on which the message was generated.

Jobs

/api/JobService/Jobs

This URI represents all the jobs.

GET method for Jobs

This method returns the details of all the jobs.

Description Returns details of all the jobs.

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "/api/$metadata#Collection(JobService.Job)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.type": "#JobService.Job",
      "@odata.id": "/api/JobService/Jobs(10016)",
      "Id": 10016,
      "JobName": "Default Inventory Task",
      "JobDescription": "Default Inventory Task",
      "NextRun": "2018-09-14 15:30:00.0",
      "LastRun": "2018-09-14 15:00:00.381",
      "StartTime": null,
      "EndTime": null,
      "Schedule": "0 0/30 * 1/1 * ? *",
      "State": "Enabled",
      "CreatedBy": "admin",
```

```
      "UpdatedBy": null,
      "Visible": false,
      "Editable": false,
      "Builtin": true,
      "Targets":
      [
        {
          "JobId": 10016,
          "Id": 500,
          "Data": "All-Devices",
          "TargetType":
          {
            "Id": 6000,
            "Name": "GROUP"
          }
        }
      ],
      "Params":
      [
        {
          "JobId": 10016,
          "Key": "defaultInventoryTask",
          "Value": "TRUE"
        }
      ],
      "LastRunStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      },
      "JobType":
      {
        "@odata.type": "#JobService.JobType",
        "Id": 8,
        "Name": "Inventory_Task",
        "Internal": false
      },
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2020,
        "Name": "Scheduled"
      },
      "ExecutionHistories@odata.navigationLink": "/api/JobService/
Jobs(10016)/ExecutionHistories"
    }
  ]
}
```


Table 115. Filters

Filter name	Description
Top	Top records to return. Default value is 100.
Skip	Max records to skip. Default value is 0.
JobType/Id	Filter by job type.
JobStatus/Id	Filter by job status.
LastRunStatus/Id	Filter by last run status.
State	Filter by job state.
JobType/Internal	Filter by job internal status.
Visible	Filter by group visibility
NextRunBegin	Filter by job next run time start.

Table 115. Filters (continued)

Filter name	Description
NextRunEnd	Filter by next run time end.
LastRunBegin	Filter by last run time start.
LastRunEnd	Filter by last run time end.

Table 116. Attributes

Attribute	Description
Id	ID of the job.
JobName	Name of the job.
JobDescription	Description of the job.
JobType	Type of the job.
NextRun	The next time when the job will be executed.
LastRun	The last time when the job was executed.
StartTime	Start time of the job.
EndTime	End time of the job.
Schedule	Job schedule (cron string).
State	Indicates whether the job is enabled or disabled.
CreatedBy	User who created the job.
UpdatedBy	User who updated the job.
Visible	Indicates whether the job is visible.
Editable	Indicates whether the job can be edited.
BuiltIn	Indicates if the job is internal.
Targets	Job targets.
Params	Parameters for the job.
LastRunStatus	Indicates the status of the last instance of the job execution.
JobStatus	Job completion status. • 2020 — Scheduled • 2030 — Queued • 2040 — Starting • 2050 — Running • 2060 — Completed • 2070 — Failed • 2080 — New • 2090 — Warning • 2100 — Aborted • 2101 — Paused • 2102 — Stopped • 2103 — Canceled
Links	Link to access all execution histories.

POST method for Jobs

This method creates a job.

Description	Creates a job.
Privilege	JOB_MANAGEMENT
HTTP response code	201

Example request body

```
{
  "Id":0,
  "JobName":"Inventory Task Device",
  "JobDescription":"Inventory Task Device",
  "Schedule":"startnow",
  "State":"Enabled",
  "JobType":
  {
    "Id":8,
    "Name":"Inventory_Task"
  },
  "Targets":
  [
    {
      "Id": 25915,
      "Data": "",
      "TargetType":
      {
        "Id":1000,
        "Name":"DEVICE"
      }
    }
  ]
}
```

Example response body

```
{
  "Id": 26097,
  "JobName": "Inventory Task Device",
  "JobDescription": "Inventory Task Device",
  "NextRun": null,
  "LastRun": null,
  "StartTime": null,
  "EndTime": null,
  "Schedule": "startnow",
  "State": "Enabled",
  "CreatedBy": "root",
  "UpdatedBy": null,
  "LastRunStatus":
  {
    "Id": 2200,
    "Name": "NotRun"
  },
  "JobType":
  {
    "Id": 8,
    "Name": "Inventory_Task",
    "Internal": false
  },
  "JobStatus":
  {
    "Id": 2080,
    "Name": "New"
  },
  "Targets":
  [
    {
```

```
      "JobId": 26097,
      "Id": 25915,
      "Data": "",
      "TargetType":
      {
        "Id": 1000,
        "Name": "DEVICE"
      }
    }
  ],
  "Params": [],
  "Visible": true,
  "Editable": true,
  "Builtin": false
}
```

Updating firmware using Compliance method

Example response body

```
{
"JobName": "<Job Name>",
"JobDescription": "<Job Description>",
"Schedule": "<Cron String/Startnow>",
"State": "Enabled",
"JobType": { "Id": 5, Name": "Update_Task" },
"Targets": [
{ "Id": <Compute Device ID 1>, "Data": "<NDC/MEZZ FQDD>;<PERC FQDD>;<BIOS
FQDD>;<CPLD FQDD>;<OSC FQDD>;<OSD FQDD>;<DIAG FQDD>;<iDRAC FQDD>;<Hard Disk
FQDD>;<Backplane FQDD>;", "TargetType":{"Id":1000, "Name":"Device"}},
{ "Id": <Compute Device ID N>, "Data":"<NDC/MEZZ FQDD>;<PERC FQDD>;<BIOS
FQDD>;<CPLD FQDD>;<OSC FQDD>; <OSD FQDD>;<DIAG FQDD>;<iDRAC FQDD>;<Hard Disk
FQDD>;<Backplane FQDD>;", "TargetType":{"Id":1000, "Name":"Device"}},
{ "Id": <Storage Device ID 1>, "Data": "<HDD FQDD>;<EMM FQDD>;",
"TargetType":{"Id":1000, "Name":"Device"}},
{ "Id": <Storage Device ID N>, "Data": "<HDD FQDD>;<EMM FQDD>;",
"TargetType":{"Id":1000, "Name":"Device"}},
{ "Id": <Chassis Device ID 1>, "Data": "<OME-Modular FQDD>", "TargetType":
{"Id":1000, "Name":"Device"}},
{ "Id": <Chassis Device ID N>, "Data": "<OME-Modular FQDD>", "TargetType":
{"Id":1000, "Name":"Device"}},
{ "Id": <Network IOM Device ID 1>, "Data": "<IOM FQDD>", "TargetType":
{"Id":1000, "Name":"Device"}},
{ "Id": <Network IOM Device ID N>, "Data": "<IOM FQDD>", "TargetType":
{"Id":1000, "Name":"Device"}},
{ "Id": <Storage IOM Device ID 1>, "Data": "<IOM FQDD>", "TargetType":
{"Id":1000, "Name":"Device"}},
{ "Id": <Storage IOM Device ID N>, "Data": "<IOM FQDD>", "TargetType":
{"Id":1000, "Name":"Device"}}, ],
"Params": [ { "Key": "complianceReportId", "Value": "<Baseline Id>" },
                { "Key": "repositoryId", "Value": "<Repository Id>"  },
                { "Key": "catalogId", "Value": "<Catalog Id>" },
                { "Key": "operationName", "Value": "INSTALL_FIRMWARE" },
                { "Key": "complianceUpdate", "Value": "true" },
                { "Key": "signVerify", "Value": "true" },
                { "Key": "stagingValue", "Value": "false" }
                { "Key":"rebootType", "Value":"<Reboot Type>"}
] }
```

Updating firmware using Individual Package method

Example response body

```
{
"JobName": "<Job Name>",
"JobDescription": "<Job Description>",
"Schedule": "< Cron String/Startnow >",
"State": "Enabled",
"JobType": { "Id": 5, Name": "Update_Task" },
"Targets": [{"Id":<Target Device ID 1>, "Data":"<Component
FQDD=FileToken>;", "TargetType":{"Id":1000, "Name":"Device"}},
{"Id":<Target Device ID 2>, "Data":"<Component FQDD=FileToken>;",
"TargetType":{"Id":1000, "Name":"Device"}}, ........
```

```
{"Id":<Target Device ID N>, "Data":"<Component FQDD=FileToken>;",
"TargetType":{"Id":1000, "Name":"Device"}}, ],
"Params": [ { "Key": "operationName", "Value": "INSTALL_FIRMWARE" },
                { "Key": "complianceUpdate", "Value": "false" },
                { "Key": "signVerify", "Value": "true" },
                { "Key": "stagingValue", "Value": "true" }
                { "Key":"rebootType", "Value":"<Reboot Type>"}

] }
```

Configuring chassis name

Example response body

```
{
"JobName": "Update Chassis Name",
"JobDescription": "Update Chassis Name",
"Schedule": "startnow",
"State": "Enabled",
"Targets": [
{
"Id": 25016,
"Data": "",
"TargetType": {
"Id": 1000,
"Name": "DEVICE"
}
}
],
"Params": [
{
"Key": "operationName",
"Value": "SET_NAME"
},
{
"Key": "name",
"Value": "MX-7BU258R"
}
],
"JobType":
{
"Id": 3,
"Name": "DeviceAction_Task"
}
}
```

Setting slot names for blade servers

Example response body

```
{
            "JobName": "Update slot name",
            "JobDescription": "Update slot name",
            "Schedule": "startnow",
            "State": "Enabled",
            "Targets": [
                {
                    "Id": 25016,
                    "Data": "",
                    "TargetType": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                }
            ],
            "Params": [
                {
                    "Key": "slotConfig",
                    "Value": "1|1000|SLED1"
                },
                {
                    "Key": "operationName",
                    "Value": "UPDATE_SLOT_DATA"
```

```
                }
            ],
            "JobType": {
                "Id": 3,
                "Name": "DeviceAction_Task"
            }
        }
```

Quick Deploy of IOM

Example response body

```
{
  "JobName": "Quick Deploy Task",
  "JobDescription": "Quick Deploy Task",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType": {
   "Id": 42,
    "Name": "QuickDeploy_Task"
  },
  "Params": [
    {
      "Key": "operationName",
      "Value": "IOM_QUICK_DEPLOY"
    },
    {
      "Key": "deviceId",
      "Value": "25041"
    },
    {
      "Key": "rootCredential",
      "Value": "password"
    },
    {
      "Key": "networkTypeV4",
      "Value": "Dhcp"
    },
    {
      "Key": "protocolTypeV4",
      "Value": "true"
    },
    {
      "Key": "subnetMaskV4",
      "Value": ""
    },
    {
      "Key": "gatewayV4",
      "Value": ""
    },
    {
      "Key": "networkTypeV6",
      "Value": ""
    },
    {
      "Key": "protocolTypeV6",
      "Value": ""
    },
    {
      "Key": "prefixLength",
      "Value": ""
    },
    {
      "Key": "gatewayV6",
      "Value": ""
    },
     {
      "Key": "slotId=1",
      "Value": "SlotSelected=true;SlotType=4000;IPV4Address=;VlanId=;"
    },
    {
      "Key": "slotId=2",
      "Value": "SlotSelected=true;SlotType=4000;IPV4Address=;VlanId=;"
```

```
    },
    {
      "Key": "slotId=3",
      "Value": "SlotSelected=true;SlotType=4000;IPV4Address=;VlanId=;"
    },
    {
      "Key": "slotId=4",
      "Value": "SlotSelected=true;SlotType=4000;IPV4Address=;VlanId=;"
    },
    {
      "Key": "slotId=5",
      "Value": "SlotSelected=true;SlotType=4000;IPV4Address=;VlanId=;"
    },
    {
      "Key": "slotId=6",
      "Value": "SlotSelected=true;SlotType=4000;IPV4Address=;VlanId=;"
    }
  ]
}
```

Quick Deploy of sleds

Example response body

```
{
            "JobName": "Quick Deploy",
            "JobDescription": "New Quick Deploy Configuration",
            "Schedule": "startnow",
            "State": "Enabled",
            "Targets": [],
            "Params": [
                {
                    "Key": "slotId=5",
                    "Value":
"SlotSelected=true;SlotType=1000;IPV4Address=0.0.0.0;IPV6Address=::;VlanId=1"
                },
                {
                    "Key": "slotId=6",
                    "Value":
"SlotSelected=true;SlotType=1000;IPV4Address=0.0.0.0;IPV6Address=::;VlanId=1"
                },
                {
                    "Key": "slotId=7",
                    "Value":
"SlotSelected=true;SlotType=1000;IPV4Address=0.0.0.0;IPV6Address=::;VlanId=1"
                },
                {
                    "Key": "slotId=8",
                    "Value":
"SlotSelected=true;SlotType=1000;IPV4Address=0.0.0.0;IPV6Address=::;VlanId=1"
                },
                {
                    "Key": "operationName",
                    "Value": "SERVER_QUICK_DEPLOY"
                },
                {
                    "Key": "rootCredential",
                    "Value": "calvin"
                },
                {
                    "Key": "deviceId",
                    "Value": "25016"
                },
                {
                    "Key": "protocolTypeV4",
                    "Value": "true"
                },
                {
                    "Key": "slotId=3",
                    "Value":
"SlotSelected=true;SlotType=1000;IPV4Address=0.0.0.0;IPV6Address=::;VlanId=1"
                },
                {
```

```
                    "Key": "slotId=2",
                     "Value":
"SlotSelected=true;SlotType=1000;IPV4Address=0.0.0.0;IPV6Address=::;VlanId=1"
                },
                {
                    "Key": "slotId=4",
                    "Value":
"SlotSelected=true;SlotType=1000;IPV4Address=0.0.0.0;IPV6Address=::;VlanId=1"
                },
                {
                    "Key": "slotId=1",
                    "Value":
"SlotSelected=true;SlotType=1000;IPV4Address=0.0.0.0;IPV6Address=::;VlanId=1"
                },
                {
                    "Key": "networkTypeV6",
                    "Value": "DHCP"
                },
                {
                    "Key": "networkTypeV4",
                    "Value": "DHCP"
                },
                {
                    "Key": "protocolTypeV6",
                    "Value": "true"
                }
            ],
            "JobType": {
                "Id": 42,
                "Name": "QuickDeploy_Task",
            }
        }
```

Rolling back firmware update —Device method

Example response body

```
{
   "JobName":"Rollback Firmware",
   "Schedule":"<crontime/startNow>",
   "State":"Enabled",
   "JobType":{
      "Id": 15,
      "Name":"RollbackSoftware_Task"
   },
   "Params":[
      {
         "Key":"operationName",
         "Value":"INSTALL_FIRMWARE"
      },
      {
         "Key":"stagingValue",
         "Value":"false"
      },
      {
         "Key":"signVerify",
         "Value":"true"
      }
   ],
   "Targets":[
      {
         "Id":<DEVICEID>,
         "Data": "available=<COMPONENTID;>",
         "TargetType":{
            "Id":1000,
            "Name":"Device"
         }
      }
   ]
}
```

Rolling back firmware update —Catalog method

Example response body

```
{
   "JobName":"Rollback Firmware",
   "Schedule":"<crontime/startNow>",
   "State":"Enabled",
   "JobType":{
      "Id": 15,
      "Name":"RollbackSoftware_Task"
   },
   "Params":[
      {
         "Key":"operationName",
         "Value":"INSTALL_FIRMWARE"
      },
      {
         "Key":"stagingValue",
         "Value":"false"
      },
      {
         "Key":"signVerify",
         "Value":"true"
      }
   ],
   "Targets":[
      {
         "Id":<DEVICEID>,
         "Data": "<CatalogId>=<DUP.EXE>|<COMPONENTID/FQDD;>",
         "TargetType":{
            "Id":1000,
            "Name":"Device"
         }
      }
   ]
}
```

Rolling back firmware update —Browse method

Example response body

```
{
   "JobName":"Rollback Firmware",
   "Schedule":"<crontime/startNow>",
   "State":"Enabled",
   "JobType":{
      "Id": 15,
      "Name":"RollbackSoftware_Task"
   },
   "Params":[
      {
         "Key":"operationName",
         "Value":"INSTALL_FIRMWARE"
      },
      {
         "Key":"stagingValue",
         "Value":"false"
      },
      {
         "Key":"signVerify",
         "Value":"true"
      }
   ],
   "Targets":[
      {
         "Id":<DEVICEID>,
         "Data": "unavailable= <13 Digit File Token>|<COMPONENTID;>",
         "TargetType":{
            "Id":1000,
            "Name":"Device"
         }
      }
   ]
}
```

Failover of management module

Example response body

```
{
            "JobName": "Failover Operation",
            "JobDescription": "Failover Operation",
            "Schedule": "",
            "State": "Enabled",
            "Targets": [
                {
                    "Id": 25039,
                    "Data": "",
                    "TargetType": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                }
            ],
            "Params": [
                {
                    "Key": "operationName",
                    "Value": "FAILOVER"
                }
            ],
            "JobType": {
                "Id": 3,
                "Name": "DeviceAction_Task"
            }
        }
```

Chassis backup

Example response body

```
{
            "Id": 0,
            "JobName": "Backup Task",
            "JobDescription": "Create a Backup of the chassis",
            "Schedule": "startnow",
            "State": "Enabled",
            "Targets": [],
            "Params": [
                {
                    "Key": "shareName",
                    "Value": "Floder_Name"
                },
                {

                   "Key": "backup_filename",
                   "Value": "backup file name.bin"
                },
                {
                    "Key": "shareType",
                    "Value": "CIFS/NFS"
                },
                {
                    "Key": "device_id",
                    "Value": "<Chassis ID>"
                },
                {
                    "Key": "shareAddress",
                    "Value": "<IP Address>"
                },
                {
                    "Key": "encryption_password",
                    "Value": "<encryption password>"
                },
                {
                     "Key": "userName",
                     "Value": "<Share username>"
                },
                {
                     "Key": "password",
                     "Value": "<Share user password>"
```

```
                }
            ],
            "JobType": {
                "Id": 21,
                "Name": "Backup_Task",
                "Internal": false
            }
}
```

Chassis restore

Example response body

```
{

            "Id": 0,
            "JobName": "Restore Task",
            "JobDescription": "Restore an existing device backup"
            "Schedule": "startnow",
            "State": "Enabled",
             "Targets": [],
            "Params": [
                {

                    "Key": "shareType",
                    "Value": "<NFS/CIFS>"
                },
                {

                    "Key": "backup_filename",
                    "Value": "<Backup File name.bin>"
                },
                {

                    "Key": "encryption_password",
                    "Value": "<encryption password>"
                },
                {

                    "Key": "shareAddress",
                    "Value": "<IP Address>"
                },
                {

                    "Key": "shareName",
                    "Value": "<Floder name>"
                },
                {

                    "Key": "device_id",
                    "Value": "<Chassis ID>"
                },
                {
                     "Key": "userName",
                     "Value": "<user name of the network share>"
                },
                {
                     "Key": "password",
                     "Value": "<password of the network share>"
                }
            ],

            "JobType": {

                "Id": 20,
                "Name": "Restore_Task",
                "Internal": false
            }
            }
```

Exporting chassis profiles

Example response body


```
{
    "@odata.context": "/api/$metadata#JobService.Job",
    "@odata.type": "#JobService.Job",
    "@odata.id": "/api/JobService/Jobs(13286)",
    "Id": 13286,
    "JobName": "Export Profile",
    "JobDescription": "Create and export profile of the chassis",
    "NextRun": null,
    "LastRun": "2020-06-10 12:33:19.053",
    "StartTime": null,
    "EndTime": null,
    "Schedule": "startnow",
    "State": "Enabled",
    "CreatedBy": "root",
    "UpdatedBy": null,
    "Visible": true,
    "Editable": true,
    "Builtin": false,
    "UserGenerated": true,
    "Targets": [],
    "Params": [
        {
            "JobId": 13286,
            "Key": "shareType",
            "Value": "CIFS"
        },
        {
            "JobId": 13286,
            "Key": "profile_option",
            "Value": "export"
        },
        {
            "JobId": 13286,
            "Key": "password",
            "Value": "EQ32BUg9RN+PoY31J3690IXthTHKwHOXAShI2vnN9xA="
        },
        {
            "JobId": 13286,
            "Key": "userName",
            "Value": "administrator"
        },
        {
            "JobId": 13286,
            "Key": "shareName",
            "Value": "/share"
        },
        {
            "JobId": 13286,
            "Key": "shareAddress",
            "Value": "100.97.204.81"
        }
    ],
    "LastRunStatus": {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
    },
    "JobType": {
        "@odata.type": "#JobService.JobType",
        "Id": 22,
        "Name": "ChassisProfile_Task",
        "Internal": false
    },
    "JobStatus": {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2080,
        "Name": "New"
    },
    "ExecutionHistories@odata.navigationLink": "/api/JobService/Jobs(13286)/
```

```
ExecutionHistories"
}
```

Importing chassis profiles

Example response body


```
{
    "@odata.context": "/api/$metadata#JobService.Job",
    "@odata.type": "#JobService.Job",
    "@odata.id": "/api/JobService/Jobs(13288)",
    "Id": 13288,
    "JobName": "Import Profile",
    "JobDescription": "Import of backed up chassis profile",
    "NextRun": null,
    "LastRun": "2020-06-10 12:35:09.123",
    "StartTime": null,
    "EndTime": null,
    "Schedule": "startnow",
    "State": "Enabled",
    "CreatedBy": "root",
    "UpdatedBy": null,
    "Visible": true,
    "Editable": true,
    "Builtin": false,
    "UserGenerated": true,
    "Targets": [],
    "Params": [
        {
            "JobId": 13288,
            "Key": "shareType",
            "Value": "CIFS"
        },
        {
            "JobId": 13288,
            "Key": "profile_option",
            "Value": "import"
        },
        {
            "JobId": 13288,
            "Key": "import_file",
            "Value": "7BU0032_1591792399246.txt"
        },
        {
            "JobId": 13288,
            "Key": "shareName",
            "Value": "/share"
        },
        {
            "JobId": 13288,
            "Key": "password",
            "Value": "YU7QIlAT7lPyAeRMZSLxehtm7g68Ygrsa23kRcxMX70="
        },
        {
            "JobId": 13288,
            "Key": "userName",
            "Value": "administrator"
        },
        {
            "JobId": 13288,
            "Key": "shareAddress",
            "Value": "100.97.204.81"
        }
    ],
    "LastRunStatus": {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
    },
    "JobType": {
        "@odata.type": "#JobService.JobType",
        "Id": 22,
        "Name": "ChassisProfile_Task",
```

```
        "Internal": false
    },
    "JobStatus": {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2080,
        "Name": "New"
    },
    "ExecutionHistories@odata.navigationLink": "/api/JobService/Jobs(13288)/
ExecutionHistories"
}
```

Test connection

Example response body

```
{
            "JobName": "Validate Share",
            "JobDescription": "Validate Share",
            "Schedule": "startnow",
            "State": "Enabled",
            "Targets": [],
            "Params": [
                {
                    "Key": "checkPathOnly",
                    "Value": "false"
                },
                {
                    "Key": "shareType",
                    "Value": "<NFS/CIFS>"
                },
                {
                    "Key": "ShareNetworkFilePath",
                    "Value": "<Folder_Path>"
                },
                {
                    "Key": "shareAddress",
                    "Value": "<IP Address>"
                },
                {
                    "Key": "testShareWriteAccess",
                    "Value": "true"
                }
            ],
                "JobType":
{
                "Id": 56,
                "Name": "ValidateNWFileShare_Task"
            }
        }
```

Chassis Extract Logs—Local Share

Example response body

```
{
            "JobName": "Extract Log",
            "JobDescription": "Extract device log",
            "Schedule": "startnow",
            "State": "Enabled",
            "Targets": [
                {
                    "Id": 25016,
                    "Data": "",
                    "TargetType": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                }
            ],
            "Params": [
                {
                    "Key": "shareAddress",
                    "Value": "127.0.0.1"
                },
```

```
                {
                    "Key": "shareName",
                    "Value": "/var/nfsshare"
                },
                {
                    "Key": "OPERATION_NAME",
                    "Value": "EXTRACT_LOGS"
                },
                {
                    "Key": "shareType",
                    "Value": "HTTPS"
                },
                {
                    "Key": "maskSensitiveInfo",
                    "Value": "FALSE"
                }
            ],
            "JobType": {
                "Id": 18,
                "Name": "DebugLogs_Task"
            }
        }
```

Chassis Extract Logs—NFS Share

Example response body

```
{
            "JobName": "Extract Log",
            "JobDescription": "Extract device log to NFS location",
            "Schedule": "startnow",
            "State": "Enabled",
            "Targets": [
                {
                    "Id": 25016,
                    "Data": "",
                    "TargetType": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                }
            ],
            "Params": [
                {
                    "Key": "shareAddress",
                    "Value": "2607:f2b1:f083:218::1f2"
                },
                {
                    "Key": "shareName",
                    "Value": "share"
                },
                {
                    "Key": "OPERATION_NAME",
                    "Value": "EXTRACT_LOGS"
                },
                {
                    "Key": "shareType",
                    "Value": "NFS"
                },
                {
                    "Key": "maskSensitiveInfo",
                    "Value": "FALSE"
                }
            ],
            "JobType": {
                "Id": 18,
                "Name": "DebugLogs_Task"
            }
        }
```

Chassis Extract Logs—CIFS Share

Example response body

```
{
            "JobName": "Extract Log",
            "JobDescription": "Extract device log to CIFS location",
            "Schedule": "startnow",
            "State": "Enabled",
            "Targets": [
                {
                    "Id": 25016,
                    "Data": "",
                    "TargetType": {
                        "Id": 1000,
                        "Name": "DEVICE"
                    }
                }
            ],
            "Params": [
                {
                    "Key": "OPERATION_NAME",
                    "Value": "EXTRACT_LOGS"
                },
                {
                    "Key": "password",
                    "Value": "sharepass"
                },
                {
                    "Key": "userName",
                    "Value": "administrator"
                },
                {
                    "Key": "shareType",
                    "Value": "CIFS"
                },
                {
                    "Key": "shareName",
                    "Value": "cifs"
                },
                {
                    "Key": "shareAddress",
                    "Value": "2607:f2b1:f083:218::1f2"
                },
                {
                    "Key": "maskSensitiveInfo",
                    "Value": "FALSE"
                }
            ],
            "JobType": {
                "Id": 18,
                "Name": "DebugLogs_Task"
            }
        }
```

Device-based reseat for compute, storage, or IOM

Example response body

```
{
"JobName": "Virtual_Reseat",
"JobDescription": " Virtual_Reseat ",
"Schedule": "startnow",
"State":"Enabled",
"Targets": [
{
"Id": 50115,
"Data": "",
"TargetType": {
"Id": 1000,
"Name": "DEVICE"
}
}
],
"Params": [
```

```
{
"Key": "override",
"Value": "true"
},
{
"Key": "operationName",
"Value": "VIRTUAL_RESEAT"
},
{
"Key": "deviceTypes",
"Value": "1000"
}
],
"JobType": {
"Id": 3,
"Name": "DeviceAction_Task",
"Internal": false
}}
```

Slot-based reseat for compute, storage, or IOM

Example response body

```
{
"JobName": "Slot Based Virtual Reseat",
"JobDescription": "Virtual_Reseat_Slot_based",
"Schedule": "startnow",
"State":"Enabled",
"Targets": [
{
"Id": 25045,
"Data": "",
"TargetType": {
"Id": 1000,
"Name": "DEVICE"
}
}
],
"Params": [
{
"Key": "slotType",
"Value": "2000"
},
{
"Key": "operationName",
"Value": "VIRTUAL_RESEAT"
},
{
"Key": "slotNumber",
"Value": "6"
}
],
"JobType": {
"Id": 3,
"Name": "DeviceAction_Task",
"Internal": false
}}
```

Chassis power off operation

Example response body

```
{
"JobName": "Power Off (Non-graceful)",
"JobDescription": "Power Control Task: Power Off (Non-graceful)",
"Schedule": "startnow",
"State": "Enabled",
"Targets": [
{
"Id": 50115,
"Data": "",
"TargetType": {
"Id": 1000,
"Name": "DEVICE"
```

```
}
}],
"Params": [
{
"Key": "override",
"Value": "true"
},
{
"Key": "powerState",
"Value": "8"
},
{
"Key": "operationName",
"Value": "POWER_CONTROL"
},
{
"Key": "deviceTypes",
"Value": "1000"
}
],
"JobType": {
"Id": 3,
"Name": "DeviceAction_Task",
"Internal": false
}
}
```

Blade server (sled) power off operation

Example response body

```
{
"JobName": "Power Off (Non-graceful)",
"JobDescription": "Power Control Task: Power Off (Non-graceful)",
"Schedule": "startnow",
"State": "Enabled",
"Targets": [
{
"Id": 10771,
"Data": "",
"TargetType": {
"Id": 1000,
"Name": "DEVICE"
}
}],
"Params": [
{
"Key": "override",
"Value": "true"
},
{
"Key": "powerState",
"Value": "8"
},
{
"Key": "operationName",
"Value": "POWER_CONTROL"
},
{
"Key": "deviceTypes",
"Value": "1000"
}
],
"JobType": {
"Id": 3,
"Name": "DeviceAction_Task",
"Internal": false
}
}
```

IOM power off operation

Example response body

```
{
"JobName": "Power Off (Non-graceful)",
"JobDescription": "Power Control Task: Power Off (Non-graceful)",
"Schedule": "startnow",
"State": "Enabled",
"Targets": [
{
"Id": 10660,
"Data": "",
"TargetType": {
"Id": 1000,
"Name": "DEVICE"
}
}],
"Params": [
{
"Key": "override",
"Value": "true"
},
{
"Key": "powerState",
"Value": "8"
},
{
"Key": "operationName",
"Value": "POWER_CONTROL"
},
{
"Key": "deviceTypes",
"Value": "1000"
}
],
"JobType": {
"Id": 3,
"Name": "DeviceAction_Task",
"Internal": false
}
}
```

Slot-based iDRAC reset operation

Example response body

```
{
  "JobName": "iDRAC Reset_REST",
  "JobDescription": "iDRAC Reset_Slot2",
  "Schedule": "startnow",
  "State": "Enabled",
  "Targets": [
    {
      "Id": 10099,
      "Data": "",
      "TargetType": {
        "Id": 1000,
        "Name": "DEVICE"
      }
    }
  ],
  "Params": [
    {
      "Key": "slotNumber",
      "Value": "2"
    },
    {
      "Key": "operationName",
      "Value": "RESET_IDRAC"
    },
    {
      "Key": "slotType",
      "Value": "2000"
    }
```

```
  ],
  "JobType": {
    "Id": 3,
    "Name": "DeviceAction_Task",
    "Internal": false
  }
}
```

Where **Slot type** is always 2000 for compute SLED and ID "10099" is for chassis ID.

Configuring Forward Error Correction (FEC) for IOM ports

Example response body

```
{
    "JobName": "Configure FEC",
    "JobDescription": "Configure Forward Error Correction",
    "Schedule": "startnow",
    "State": "Enabled",
    "JobType": {
        "Id": 3,
        "Name": "DeviceAction_Task"
    },
    "Targets": [
        {
            "Id": 10073, "<deviceId for the IOM in MSM>"
            "Data": "",
            "TargetType": {}
        }
    ],
    "Params": [
        {
            "Key": "operationName",
            "Value": "CONFIGURE_FEC_OPTICS"
        },
        {
            "Key": "interfaceId",
            "Value": "53F2PK2:ethernet1/1/10:1" "<Port Id>"
        },
        {
            "Key": "fecValue",
            "Value": "xx"  "<Fec value to be configured>"
        }
    ]
}
```

Force reset of management module (MM)

Example response body

```
 {
   "Id":0,
   "JobName":"DeviceAction_Tasktest",
   "JobDescription":"DeviceAction_Task",
   "Schedule":"startnow",
   "State":"Enabled",
   "JobType":{
      "Id":3,
      "Name":"DeviceAction_Task"
   },
   "Params":[
     {
         "Key":"operationName",
         "Value":"EC_RESET"
      },
      {
        "Key":"forceReset",
         "Value":"true"
      }
],
   "Targets":[
      {
         "Id":10054,
         "Data":"",
         "TargetType":{
```

```
            "Id":1000,
            "Name":"Device"
         }
      }
   ]
}
```

Blink LED

Example response body

```
{
  "Id": 0,
  "JobName": "Blink LED",
  "JobDescription": "Blink LED: N Minute(s) or Indefinitely",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType": {
    "Name": "DeviceAction_Task"
  },
  "Targets": [
    {
      "Id": 10043,
      "Data": "",
      "TargetType": {
        "Id": 1000,
        "Name": "DEVICE"
      }
    }
  ],
  "Params": [
    {
      "Key": "identifyState",
      "Value": "2" // 2 = duration in minutes, -1= indefinitely
    },
    {
      "Key": "durationLimit",
      "Value": "60" // 60= 1 minute, 600=10 minutes, 1800=30 minutes, -1=
indefinitely
    },
    {
      "Key": "operationName",
      "Value": "IDENTIFY_BLINK_LED"
    }
  ]
}
```

NOTE: To shut off LED blinking the `identifyState` and `durationLimit` parameters must be set to 0.

Power Cycle System (Cold Boot)

Example response body

```
{
  "Id": 0,
  "JobName": "Power Cycle System (Cold Boot)",
  "JobDescription": "Power Control Task: Power Cycle System (Cold Boot)",
  "State": "Enabled",
  "Schedule": "startnow",
  "JobType": {
    "Name": "DeviceAction_Task"
  },
  "Targets": [
    {
      "Id": 10043,
      "Data": "",
      "TargetType": {
        "Id": 1000,
        "Name": "DEVICE"
      }
    }
  ],
  "Params": [
```

```
    {
      "Key": "override",
      "Value": "true"
    },
    {
      "Key": "powerState",
      "Value": "5"
    },
    {
      "Key": "operationName",
      "Value": "POWER_CONTROL"
    },
    {
      "Key": "deviceTypes",
      "Value": "1000"
    }
  ]
}
```

System reseat

Example response body

```
{
  "Id": 0,
  "JobName": "System Reseat",
  "JobDescription": "Power Control Task: System Reseat",
  "State": "Enabled",
  "Schedule": "startnow",
  "JobType": {
    "Name": "DeviceAction_Task"
  },
  "Targets": [
    {
      "Id": 10043,
      "Data": "",
      "TargetType": {
        "Id": 1000,
        "Name": "DEVICE"
      }
    }
  ],
  "Params": [
    {
      "Key": "operationName",
      "Value": "VIRTUAL_RESEAT"
    }
  ]
}
```

Reset iDRAC

Example response body

```
{
    "JobName": "Reset iDRAC",
    "JobDescription": "Reset iDRAC",
    "Schedule": "startnow",
    "State": "Enabled",
    "JobType":
    {
        "Id": 3,
        "Name": "DeviceAction_Task",
        "Internal": false
    },
    "Params":
    [
        {"Key": "operationName", "Value": "RESET_IDRAC"}
    ],
    "Targets":
    [
        {
            "Id": 10043,
            "Data": "",
```

```
            "TargetType":
            {
                "Id": 1000,
                "Name": "DEVICE"
            }
        }
    ]
}
```

Configure Port Break Out

Example response body

```
{
    "JobName": "Breakout Port",
    "JobDescription": null,
    "Schedule": "startnow",
    "State": "Enabled",
    "JobType":
    {
        "Id": 3,
        "Name": "DeviceAction_Task",
        "Internal": false
      },
    "Targets":
    [
      {
            "Id": 10045,
            "Data": "",
            "TargetType": { "Id": 1000, "Name": "DEVICE" }
        }
    ],
    "Params":
    [
        {"Key": "breakoutType", "Value": "FabricExpander"},
        {"Key": "interfaceId", "Value": "DPM4XC1:port-
group1/1/1,DPM4XC1:port-group1/1/2" },
        { "Key": "operationName", "Value": "CONFIGURE_PORT_BREAK_OUT" }
    ]
}
```

Toggle port status

Example response body

```
{
    "JobName": "Toggle Port",
    "JobDescription": null,
    "State": "Enabled",
    "JobType":
    {
        "Id": 3,
        "Name": "DeviceAction_Task",
        "Internal": false
      },
    "Targets":
    [
      {
            "Id": 10043,
            "Data": "",
            "TargetType": { "Id": 1000, "Name": "DEVICE" }
        }
    ],
    "Params":
    [
      {"Key": "upInterfaceIds", "Value": "DPM4XC1:port-group1/1/1"},
      {"Key": "operationName", "Value": "TOGGLE_PORT_STATUS"}
    ]
}
```

Configure MTU **Example response body**

```
{
    "JobName": "Update Maximum Transmission Unit",
    "JobDescription": null,
    "Schedule": "startnow",
    "State": "Enabled",
    "JobType":
    {
        "Id": 3,
        "Name": "DeviceAction_Task",
        "Internal": false
      },
      "Targets":
      [
            {
            "Id": 25029,
            "Data": "",
            "TargetType": { "Id": 1000, "Name": "DEVICE" }
            }
      ],
      "Params":
      [
            {"Key":"operationName", "Value":"CONFIGURE_MTU_SPEED"},
            {"Key":"mtuSize", "Value":"1500"},
            {"Key":"interfaceId", "Value DPM4XC1:port-group1/1/1"}
      ]
}
```

Group Inventory **Example response body**

```
{
  "Id": 0,
  "JobName": "Default Inventory Task - All Devices ",
  "JobDescription": "Default Inventory Task - All Devices",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType": {
    "Name": "Inventory_Task"
  },
  "Targets": [
    {
      "Id": 500,
      "Data": "",
      "TargetType": {
        "Id": 6000,
        "Name": "GROUP"
      }
    }
  ]
}
```

Device Inventory **Example response body**

```
{
  "Id": 0,
  "JobName": "Default Inventory Task - All Devices ",
  "JobDescription": "Default Inventory Task - All Devices",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType": {
    "Name": "Inventory_Task"
  },
  "Targets": [
    {
      "Id": <device_id>,
      "Data": "",
      "TargetType": {
        "Id": 1000,
        "Name": "DEVICE"
```

```
      }
    }
  ]
}
```

Extracting device logs

Example response body

```
{
    "Id": 0,
    "JobName": "Extract Log",
    "JobDescription": "Extract device log to CIFS location",
    "Schedule": "startnow",
    "State": "Enabled",
    "JobType": {
      "Id": 18,
      "Name": "DebugLogs_Task"
    },
    "Targets": [
      {
        "Id": 10036,
        "TargetType": {
          "Id": 1000,
          "Name": "DEVICE"
        }
      }
    ],
    "Params": [
      {
        "Key": "OPERATION_NAME",
        "Value": "EXTRACT_LOGS"
      },
      {
        "Key": "shareAddress",
        "Value": "100.69.127.105"
      },
      {
        "Key": "shareName",
        "Value": "\\cifs\\share"
      },
      {
        "Key": "shareType",
        "Value": "CIFS"
      },
      {
        "Key": "userName",
        "Value": "user-provided-user-name"
      },
      {
        "Key": "password",
        "Value": "user-provided-password"
      },
      {
        "Key": "domainName",
        "Value": "org-domain-name"
      },
      {
        "Key": "maskSensitiveInfo",
        "Value": "TRUE"
      }
    ]
  }
```

Extracting SupportAssist collection

Example response body

```
{
    "Id":0,
    "JobName":"Extract SupportAssist Collection",
    "JobDescription":"Extract SupportAssist Collection to NFS location",
    "Schedule":"startnow",
    "State":"Enabled",
```

```
    "JobType":{
       "Id":18,
       "Name":"DebugLogs_Task"
    },
    "Targets":[
       {
          "Id":10038,
          "TargetType":{
             "Id":1000,
             "Name":"DEVICE"
          }
       }
    ],
    "Params":[
       {
          "Key":"OPERATION_NAME",
          "Value":"EXTRACT_LOGS"
       },
       {
          "Key":"shareType",
          "Value":"NFS"
       },
       {
          "Key":"shareAddress",
          "Value":"1.2.3.4"
       },
       {
          "Key":"shareName",
          "Value":"filepath"
       },
       {
          "Key":"logSelector",
          "Value":"0,1,2"
       }
    ]
}
```

Table 117. Attributes

Attribute	Description
Target Id	ID of the device.
SlotNumber	The supported slot numbers are: · 1-8 for computes · 1-6 for IOMs
Slot Type	The supported slot types are: · 2000 for computes · 4000 for IOM
PowerState	The supported values are: · 2 (Power On)—Transitions the system to "power on" state. The corresponding ACPI state is G0/S0. · 5 (Power Cycle (Off Soft))—Turns off the system. The corresponding ACPI state is G2/S5, in which the system consumes a minimal amount of power. The system, then, transitions to "power on" state. The corresponding ACPI state for "power on" is G0/S0. · 8 (Power Off – Soft Non-Graceful)—Transitions the system to off state. The corresponding ACPI state G2/S5, in which the system consumes a minimal amount of power. · 10 (Master Bus Reset)—Performs hardware reset on the system.

Table 117. Attributes (continued)

Attribute	Description
	• 12 (Power Off - Soft Graceful)—Performs an orderly transition to "power off" state. The corresponding ACPI state is G2/S5, in which the system consumes a minimal amount of power.
Override	Ignores device state and performs the operation
upInterfaceIds	Id of the port that must be configured or toggled. If there are multiple ports these are separated by a "," in the parameter.
mtuSize	You can determine the MinMtu and MaxMtu for a port from `/DeviceService/Devices(id)/InventoryDetails('portInformation')`. The mtuSize must be a value within this range.
Target	Device ID retrieved from `/api/DeviceService/Devices`
logSelector	The supported values are: • 0—collect hardware logs • 1—collect os logs • 2—collect raid controller logs
shareType	The supported share types are: • NFS • CIFS • HTTPS
Reboot Type	The supported values are: • 1—PowerCycle • 2—Graceful reboot without forced shutdown • 3—Graceful reboot with forced shutdown

/api/JobService/Jobs(Id)

This URI represents the details of a job.

GET method for Jobs(Id)

This method returns the details of a specific job.

Description Returns details of a job.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "/api/$metadata#JobService.Job/$entity",
  "@odata.type": "#JobService.Job",
  "@odata.id": "/api/JobService/Jobs(10016)",
  "Id": 10016,
  "JobName": "Default Inventory Task",
  "JobDescription": "Default Inventory Task",
  "NextRun": "2018-09-14 15:30:00.0",
  "LastRun": "2018-09-14 15:00:00.381",
  "StartTime": null,
  "EndTime": null,
  "Schedule": "0 0/30 * 1/1 * ? *",
  "State": "Enabled",
```

```
  "CreatedBy": "admin",
  "UpdatedBy": null,
  "Visible": false,
  "Editable": false,
  "Builtin": true,
  "Targets":
  [
    {
      "JobId": 10016,
      "Id": 500,
      "Data": "All-Devices",
      "TargetType":
      {
        "Id": 6000,
        "Name": "GROUP"
      }
    }
  ],
  "Params":
  [
    {
      "JobId": 10016,
      "Key": "defaultInventoryTask",
      "Value": "TRUE"
    }
  ],
  "LastRunStatus":
  {
    "@odata.type": "#JobService.JobStatus",
    "Id": 2060,
    "Name": "Completed"
  },
  "JobType":
  {
    "@odata.type": "#JobService.JobType",
    "Id": 8,
    "Name": "Inventory_Task",
    "Internal": false
  },
  "JobStatus":
  {
    "@odata.type": "#JobService.JobStatus",
    "Id": 2020,
    "Name": "Scheduled"
  },
  "ExecutionHistories@odata.navigationLink": "/api/JobService/Jobs(10016)/
ExecutionHistories"
}
```


Table 118. Attributes

Attribute	Description
Id	ID of the job.
JobName	Name of the job.
JobDescription	Description of the job.
JobType	Type of the job.
NextRun	The next time when the job will be executed.
LastRun	The last time when the job was executed.
StartTime	Start time of the job.
EndTime	End time of the job.
Schedule	Job schedule (cron string).
State	Indicates whether the job is enabled or disabled.

Table 118. Attributes (continued)

Attribute	Description
CreatedBy	User who created the job.
UpdatedBy	User who updated the job.
Visible	Indicates whether the job is visible.
Editable	Indicates whether the job can be edited.
BuiltIn	Indicates if the job is internal.
Targets	Job targets.
Params	Parameters for the job.
LastRunStatus	Indicates the status of the last instance of the job execution.
JobStatus	Job completion status. • 2020 — Scheduled • 2030 — Queued • 2040 — Starting • 2050 — Running • 2060 — Completed • 2070 — Failed • 2080 — New • 2090 — Warning • 2100 — Aborted • 2101 — Paused • 2102 — Stopped • 2103 — Canceled
Links	Link to access all execution histories.

PUT method for Jobs(Id)

This method updates a specific job.

Description Updates a job.

Privilege JOB_MANAGEMENT

HTTP response codes 200

Example request body

```
{
  "Id":26097,
  "JobName":"Inventory Task",
  "JobDescription":"Inventory Task",
  "Schedule":"startnow",
  "State":"Enabled",
  "JobType":
  {
    "Id":8,
    "Name":"Inventory_Task"
  },
  "Targets":
  [
    {
      "Id": 25915,
      "Data": "",
      "TargetType":
      {
        "Id":1000,
        "Name":"DEVICE"
```

```
      }
    }
  ]
}
```

Example response body

```
{
  "Id": 26097,
  "JobName": "Inventory Task",
  "JobDescription": "Inventory Task",
  "NextRun": null,
  "LastRun": "2018-09-14 15:31:13.094",
  "StartTime": null,
  "EndTime": null,
  "Schedule": "startnow",
  "State": "Enabled",
  "CreatedBy": "root",
  "UpdatedBy": "root",
  "LastRunStatus":
  {
    "Id": 2060,
    "Name": "Completed"
  },
  "JobType":
  {
    "Id": 8,
    "Name": "Inventory_Task",
    "Internal": false
  },
  "JobStatus":
  {
    "Id": 2080,
    "Name": "New"
  },
  "Targets":
  [
    {
      "JobId": 26097,
      "Id": 25915,
      "Data": "",
      "TargetType":
      {
        "Id": 1000,
        "Name": "DEVICE"
      }
    }
  ],
  "Params": [],
  "Visible": true,
  "Editable": true,
  "Builtin": false
}
```

Table 119. Attributes

Attribute	Description
Id	ID of the job.
JobName	Name for the job.
JobDescription	Description for the job.
Schedule	The schedule to start the job.
State	Enabled state for the job. It should be enabled.
JobType	Id of job type.

Table 119. Attributes (continued)

Attribute	Description
JobName	Name of the job type.

DELETE method for Jobs(Id)

This method deletes a specific job.

Description	Deletes a job.
Privilege	JOB_MANAGEMENT
HTTP response codes	204

Table 120. Attributes

Attribute	Description
Id	ID of the job to be deleted.

/api/JobService/JobStatuses

This URI represents the status of all the jobs.

GET method for JobStatuses

This method returns the status of all the jobs.

Description	Returns status of all the jobs.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/$metadata#Collection(JobService.JobStatus)",
  "@odata.count": 12,
  "value":
  [
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2020)",
      "Id": 2020,
      "Name": "Scheduled"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2030)",
      "Id": 2030,
      "Name": "Queued"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2040)",
      "Id": 2040,
      "Name": "Starting"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2050)",
      "Id": 2050,
      "Name": "Running"
    },
    {
```

```
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2060)",
      "Id": 2060,
      "Name": "Completed"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2070)",
      "Id": 2070,
      "Name": "Failed"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2080)",
      "Id": 2080,
      "Name": "New"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2090)",
      "Id": 2090,
      "Name": "Warning"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2100)",
      "Id": 2100,
      "Name": "Aborted"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2101)",
      "Id": 2101,
      "Name": "Paused"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2102)",
      "Id": 2102,
      "Name": "Stopped"
    },
    {
      "@odata.type": "#JobService.JobStatus",
      "@odata.id": "/api/JobService/JobStatuses(2103)",
      "Id": 2103,
      "Name": "Canceled"
    }
  ]
}
```


Table 121. Attributes

Attribute	Description
Id	ID of the job status.
Name	Name of the job status.

/api/JobService/JobStatuses(Id)

This URI represents the status of a job.

GET method for JobStatuses(Id)

This method returns the details of a specific job status.

Description	Returns details of a specific job status.
Privilege	VIEW

HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#JobService.JobStatus/$entity",
  "@odata.type": "#JobService.JobStatus",
  "@odata.id": "/api/JobService/JobStatuses(2030)",
  "Id": 2030,
  "Name": "Queued"
}
```

Table 122. Attributes

Attribute	Description
Id	ID of the job status.
Name	Name of the job status.

/api/JobService/JobTypes

This URI represents all the job types.

GET method for JobTypes

This method returns the details of all the job types.

Description	Returns details of all job types.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#Collection(JobService.JobType)",
  "@odata.count": 15,
  "value":
  [
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(3)",
      "Id": 3,
      "Name": "DeviceAction_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(5)",
      "Id": 5,
      "Name": "Update_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(8)",
      "Id": 8,
      "Name": "Inventory_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(15)",
      "Id": 15,
      "Name": "RollbackSoftware_Task",
```

```
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(18)",
      "Id": 18,
      "Name": "DebugLogs_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(20)",
      "Id": 20,
      "Name": "Restore_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(21)",
      "Id": 21,
      "Name": "Backup_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(22)",
      "Id": 22,
      "Name": "ChassisProfile_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(25)",
      "Id": 25,
      "Name": "SettingsUpdate_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(50)",
      "Id": 50,
      "Name": "Device_Config_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(37)",
      "Id": 37,
      "Name": "MCMOnBoarding_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(38)",
      "Id": 38,
      "Name": "MCMOffBoarding_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(39)",
      "Id": 39,
      "Name": "MCMGroupCreation_Task",
      "Internal": false
    },
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(41)",
      "Id": 41,
      "Name": "ProfileUpdate_Task",
      "Internal": false
    },
```

```
    {
      "@odata.type": "#JobService.JobType",
      "@odata.id": "/api/JobService/JobTypes(42)",
      "Id": 42,
      "Name": "QuickDeploy_Task",
      "Internal": false
    }
  ]
}
```

Table 123. Attributes

Attribute	Description
Id	ID of the job type.
Name	Name of the job type.
Internal	Indicates if the job is internal.

/api/JobService/JobTypes(Id)

This URI represents the details of a job type.

GET method for JobTypes(Id)

This method returns the details of a specific job type.

Description	Returns details of a job type.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#JobService.JobType/$entity",
  "@odata.type": "#JobService.JobType",
  "@odata.id": "/api/JobService/JobTypes(5)",
  "Id": 5,
  "Name": "Update_Task",
  "Internal": false
}
```

Table 124. Attributes

Attribute	Description
Id	ID of the job type.
Name	Name of the job type.
Internal	Indicates whether the job is internal.

/api/JobService/Jobs(Id)/ExecutionHistories

This URI represents all the execution histories for a job.

GET method for ExecutionHistories

This method returns the details of all the execution histories for a job.

Description	Returns details of all executions histories for a job.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "/api/$metadata#Collection(JobService.ExecutionHistory)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.type": "#JobService.ExecutionHistory",
      "@odata.id": "/api/JobService/Jobs(10016)/ExecutionHistories(18855)",
      "Id": 18855,
      "JobName": "Default Inventory Task",
      "Progress": "100",
      "StartTime": "2018-09-14 15:00:00.059",
      "EndTime": "2018-09-14 15:00:30.211",
      "LastUpdateTime": "2018-09-14 15:00:30.211",
      "ExecutedBy": "admin",
      "JobId": 10016,
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      },
      "ExecutionHistoryDetails@odata.navigationLink": "/api/JobService/
Jobs(10016)/ExecutionHistories(18855)/ExecutionHistoryDetails"
    },
    {
      "@odata.type": "#JobService.ExecutionHistory",
      "@odata.id": "/api/JobService/Jobs(10016)/ExecutionHistories(18811)",
      "Id": 18811,
      "JobName": "Default Inventory Task",
      "Progress": "100",
      "StartTime": "2018-09-14 14:30:00.026",
      "EndTime": "2018-09-14 14:30:29.743",
      "LastUpdateTime": "2018-09-14 14:30:29.743",
      "ExecutedBy": "admin",
      "JobId": 10016,
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      },
      "ExecutionHistoryDetails@odata.navigationLink": "/api/JobService/
Jobs(10016)/ExecutionHistories(18811)/ExecutionHistoryDetails"
    },
    {
      "@odata.type": "#JobService.ExecutionHistory",
      "@odata.id": "/api/JobService/Jobs(10016)/ExecutionHistories(18774)",
      "Id": 18774,
      "JobName": "Default Inventory Task",
      "Progress": "100",
      "StartTime": "2018-09-14 14:00:00.526",
      "EndTime": "2018-09-14 14:00:29.312",
      "LastUpdateTime": "2018-09-14 14:00:29.312",
      "ExecutedBy": "admin",
      "JobId": 10016,
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      },
      "ExecutionHistoryDetails@odata.navigationLink": "/api/JobService/
Jobs(10016)/ExecutionHistories(18774)/ExecutionHistoryDetails"
    },
```

```
    {
      "@odata.type": "#JobService.ExecutionHistory",
      "@odata.id": "/api/JobService/Jobs(10016)/ExecutionHistories(18729)",
      "Id": 18729,
      "JobName": "Default Inventory Task",
      "Progress": "100",
      "StartTime": "2018-09-14 13:30:00.079",
      "EndTime": "2018-09-14 13:30:29.333",
      "LastUpdateTime": "2018-09-14 13:30:29.333",
      "ExecutedBy": "admin",
      "JobId": 10016,
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      },
      "ExecutionHistoryDetails@odata.navigationLink": "/api/JobService/
Jobs(10016)/ExecutionHistories(18729)/ExecutionHistoryDetails"
    },
    {
      "@odata.type": "#JobService.ExecutionHistory",
      "@odata.id": "/api/JobService/Jobs(10016)/ExecutionHistories(18683)",
      "Id": 18683,
      "JobName": "Default Inventory Task",
      "Progress": "100",
      "StartTime": "2018-09-14 13:00:00.122",
      "EndTime": "2018-09-14 13:00:29.769",
      "LastUpdateTime": "2018-09-14 13:00:29.769",
      "ExecutedBy": "admin",
      "JobId": 10016,
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      },
      "ExecutionHistoryDetails@odata.navigationLink": "/api/JobService/
Jobs(10016)/ExecutionHistories(18683)/ExecutionHistoryDetails"
    }
  ]
}
```


Table 125. Attributes

Attribute	Description
Id	Job execution history detail ID.
JobName	Name of the job.
Progress	Percentage of completion.
StartTime	The start time of job execution.
EndTime	The end time of job execution.
Schedule	Job schedule (cron string).
State	Indicates whether the job is enabled or disabled.
LastUpdatedTime	Timestamp when the job-execution history was last updated.
ExecutedBy	Details of who executed the job.
JobId	Job associated with the execution history.
JobStatus	Job execution history detail completion status.
Links	Link to access details of all execution histories.

/api/JobService/Jobs(Id)/ExecutionHistories(Id)

This URI represents the execution history details for a job.

GET method for ExecutionHistories(Id)

This method returns the execution history details for a specific execution history.

Description	Returns details of a specific execution history.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/
$metadata#Collection(JobService.ExecutionHistoryDetail)",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#JobService.ExecutionHistoryDetail",
      "@odata.id": "/api/JobService/Jobs(10016)/ExecutionHistories(18683)/
ExecutionHistoryDetails(7138)",
      "Id": 7138,
      "Progress": "100",
      "StartTime": "2018-09-14 13:00:00.324",
      "EndTime": "2018-09-14 13:00:29.728",
      "Key": "Sled-1",
      "Value": "Running\nCompleted",
      "ExecutionHistoryId": 18683,
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      }
    },
    {
      "@odata.type": "#JobService.ExecutionHistoryDetail",
      "@odata.id": "/api/JobService/Jobs(10016)/ExecutionHistories(18683)/
ExecutionHistoryDetails(7137)",
      "Id": 7137,
      "Progress": "100",
      "StartTime": "2018-09-14 13:00:00.324",
      "EndTime": "2018-09-14 13:00:11.948",
      "Key": "MX-OME-ModularDNH1",
      "Value": "Running\nCompleted",
      "ExecutionHistoryId": 18683,
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      }
    }
  ]
}
```


Table 126. Attributes

Attribute	Description
Id	Job execution history detail ID.
Progress	Percentage of completion.
StartTime	The start time of job execution.

Table 126. Attributes (continued)

Attribute	Description
EndTime	The end time of job execution.
Key	Job execution history details key.
Value	Job execution history details value.
ExecutionHistoryId	Execution history ID associated with the detail.
JobStatus	Job execution history detail completion status.

/api/JobService/Actions/JobService.EnableJobs

POST method for JobService.EnableJobs

This method enables the selected jobs.

Description Enables the selected jobs. In one operation, you can enable one of the following:

- A single job
- A set of jobs based on the filters you provide
- All jobs

Privilege DEVICE_CONFIGURATION

HTTP response codes 201

Example request body

```
{
  "JobIds": [100,200,300],
}

Or


{
     "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
      }
}

Or


{
  "AllJobs": true,
}
```

/api/JobService/Actions/JobService.DisableJobs

POST method for JobService.DisableJobs

This method disables the selected jobs.

Description Disables the selected jobs. In one operation, you can disable one of the following:

- A single job
- A set of jobs based on the filters you provide
- All jobs

Privilege DEVICE_CONFIGURATION

HTTP response codes 201

Example request body

```
{
  "JobIds": [100,200,300],
}

Or


{
  "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
  }
}

Or


{
  "AllJobs": true,
}
```

/api/JobService/Actions/JobService.RemoveJobs

POST method for JobService.RemoveJobs

This method deletes the selected jobs.

Description Deletes the selected jobs. In one operation, you can delete one of the following:

- A single job
- A set of jobs based on the filters you provide
- All jobs

Privilege DEVICE_CONFIGURATION

HTTP response codes 201

Example request body

```
{
  "JobIds": [100,200,300],
}

Or


{
  "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
```

```
            "StartTime": "2017-06-06 10:00:00.00",
            "EndTime": "2017-06-07 10:00:00.00"
    }
}

Or


{
   "AllJobs": true,
}
```

/api/JobService/Actions/JobService.Schedule

This API represents the job schedule information.

POST method for job schedule

This method returns the job schedule information.

Description	Returns information about job schedules.
Privilege	JOB_MANAGEMENT
HTTP response codes	201
Example response body	

```
{
    "JobIds": [],
    "AllJobs": true,
    "Filters": {
        "Status": 2020,
        "State": "",
        "JobType": "",
        "StartTime": "",
        "EndTime": ""
    }
}
```

/api/JobService/Actions/JobService.RunJobs

POST method for JobService.RunJobs

This method executes the selected jobs.

Description	Executes the selected jobs. In one operation, you can execute one of the following: • A single job • A set of jobs based on the filters you provide • All jobs
Privilege	DEVICE_CONFIGURATION
HTTP response codes	201
Example request body	

```


{
   "JobIds": [100,200,300],
}

Or
```

```
{
  "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
  }
}

Or


{
  "AllJobs": true,
}
```

/api/JobService/Actions/JobService.StopJobs

POST method for JobService.StopJobs

This method stops the selected jobs.

Description

Stops the selected jobs. In one operation, you can stop one of the following:

- A single job
- A set of jobs based on the filters you provide
- All jobs

Privilege

DEVICE_CONFIGURATION

HTTP response codes

201

Example request body

```
{
  "JobIds": [100,200,300],
}

Or


{
  "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
  }
}

Or


{
  "AllJobs": true,
}
```

/api/JobService/Actions/JobService.Schedule

This API represents the job schedule information.

POST method for job schedule

This method returns the job schedule information.

Description	Returns information about job schedules.
Privilege	JOB_MANAGEMENT
HTTP response codes	201
Example response body	

```
{
    "JobIds": [],
    "AllJobs": true,
    "Filters": {
        "Status": 2020,
        "State": "",
        "JobType": "",
        "StartTime": "",
        "EndTime": ""
    }
}
```

/api/JobService/Actions/JobService.Delete

This API represents information about deleted jobs.

POST method for /api/JobService/Actions/JobService.Delete

This method returns information about deleted jobs.

Description	Returns information about deleted jobs.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	204
Example response body	

```
{
    "JobIds": [],
    "AllJobs": true,
    "Filters": {
        "Status": 2020,
        "State": "",
        "JobType": "",
        "StartTime": "",
        "EndTime": ""
    }
}
```

/api/JobService/Actions/JobService.Cancel

This API represents information about jobs that are canceled.

POST method for canceled jobs

This method returns information about jobs that are canceled.

Description	Returns information about a canceled job.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	201

Example response body

```
{
    "JobIds": [],
    "AllJobs": true,
    "Filters": {
        "Status": 2020,
        "State": "",
        "JobType": "",
        "StartTime": "",
        "EndTime": ""
    }
}
```

/api/JobService/Actions/JobService.Pause

This API represents information about jobs that are stopped momentarily.

POST method for /api/JobService/Actions/JobService.Pause

This method returns information about jobs that are stopped momentarily.

Description	Returns information about jobs that are stopped momentarily.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	204

Example response code

```
{
    "JobIds": [],
    "AllJobs": true,
    "Filters": {
        "Status": 2020,
        "State": "",
        "JobType": "",
        "StartTime": "",
        "EndTime": ""
    }
}
```

/api/JobService/Actions/JobService.Resume

This API returns information about jobs that are resumed.

POST method for resumed jobs

This method returns information about jobs that are resumed.

Description	Returns information about jobs that are resumed.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	201

Example response body

```
{
    "JobIds": [],
    "AllJobs": true,
    "Filters": {
        "Status": 2020,
        "State": "",
        "JobType": "",
        "StartTime": "",
        "EndTime": ""
    }
}
```

/api/JobService/Actions/JobService.ExecuteAction

This API creates and runs jobs such as quick deploy, and compliance report. Create a job model payload to create and run the job to which the model is associated.

POST method for /api/JobService/Actions/JobService.ExecuteAction

This method returns status jobs that are performed in the system.

Description	Returns status of jobs that are performed in the system.
Privilege	DEVICE_MANAGEMENT
HTTP response codes	202
Example response body	

```
{
"JobName":"Update Asset Tag",
"JobDescription":"Update Device Asset Tag",
"Schedule":"startnow",
"State":"Enabled",
"Targets":[
{
"Id":10068,
"Data":"",
"TargetType":

{ "Id":1000, "Name":"DEVICE" }
}
],
"Params":[
{ "Key":"operationName", "Value":"SET_ASSET_TAG" }
,

{ "Key":"assetTag", "Value":"BXZYJN1-BYJNN1BX" }
],
"JobType":

{ "Id":3, "Name":"DeviceAction_Task" }
}
```

11

Reset application

Topics:

- /api/ApplicationService/Actions/ApplicationService.ResetApplication

/api/ApplicationService/Actions/ApplicationService.ResetApplication

This URI resets the application and select between resetting all data or only resetting the configuraiton.

POST method for ResetApplication

This method resets the application. You can either reset only the configuration or also clear all the data.

Description	Resets the application by clearing only the configuration, or by clearing the configuration and the data. This action supports the following parameters: • `RESET_CONFIG`—Clear the appliance and restore it to the default initial state. • `RESET_ALL`—Wipe all data including traces of logs.
Privilege	APPLIANCE_SETUP
HTTP response codes	204
Example request body	`{ "ResetType":"RESET_ALL" } OR { "ResetType":"RESET_CONFIG" }`
Example response body	`204 No Content`

12

Console version

Topics:

- /api/ApplicationService/Info

/api/ApplicationService/Info

This URI represents the product information.

GET method for Info

This method returns the product information.

Description	Returns the product information.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
    "@odata.context": "/api/$metadata#ApplicationService.Info",
    "@odata.type": "#ApplicationService.Info",
    "@odata.id": "/api/ApplicationService/Info",
    "Name": "PowerEdge MX7000",
    "Description": "7U Modular Chassis platform",
    "Vendor": "Dell Inc",
    "ProductType": 1,
    "Branding": "Dell",
    "Version": "1.20.00",
    "BuildNumber": "X25.808",
    "BuildDate": "2020-03-26T22:03:01Z",
    "Guid": "5799903e-19da-55b3-6af2-c841810df97a",
    "ManagementUri": null,
    "OperationStatus": "READY",
    "OperationName": null,
    "OperationJobId": 0
}
```

13

Console capabilities

Topics:

- /api/ApplicationService/Capabilities

/api/ApplicationService/Capabilities

This URI represents the capabilities of the management console—OpenManage Enterprise or OME–Modular.

GET method for Capabilities

This method returns the capabilities of the management console—OME-Modular or OpenManage Enterprise. These two management consoles have different capabilities.

Description	Returns the capabilities of the management console.
Privilege	VIEW
HTTP response codes	200
Example response body	Example of application capabilities of OME-Modular

```
{
    "@odata.context": "/api/
$metadata#Collection(ApplicationService.Capability)",
    "@odata.count": 8,
    "value": [
        {
            "@odata.type": "#ApplicationService.Capability",
            "Name": "BOOT_TO_NETWORK_ISO",
            "Description": "This capability is for booting devices from
network iso."
        },
        {
            "@odata.type": "#ApplicationService.Capability",
            "Name": "DEPLOY_TO_SLOT",
            "Description": "Deploy to Slot"
        },
        {
            "@odata.type": "#ApplicationService.Capability",
            "Name": "VLAN_CONFIG",
            "Description": "Vlan Config"
        },
        {
            "@odata.type": "#ApplicationService.Capability",
            "Name": "VIRTUAL_IO",
            "Description": "Virtual IO"
        },
        {
            "@odata.type": "#ApplicationService.Capability",
            "Name": "NETWORK_CONFIGURATION",
            "Description": "Network Configuration"
        },
        {
            "@odata.type": "#ApplicationService.Capability",
            "Name": "OIDC_CAPABILITY",
            "Description": "OIDC SSO"
        },
        {
```

```
            "@odata.type": "#ApplicationService.Capability",
            "Name": "SERVER_PORTS_NIC_TEAMING",
            "Description": "Capability bit to indicate that provided MX
chassis supports server ports NIC teaming."
        },
        {
            "@odata.type": "#ApplicationService.Capability",
            "Name": "OPTIMIZED_FABRIC_MANAGER_OPERATIONS",
            "Description": "Capability bit to indicate that provided MX
chassis supports optimized fabric manager operations."
        }
    ]
}
```

Example of application capabilities of OpenManage Enterprise

```
{
  "@odata.context": "/api/
$metadata#Collection(ApplicationService.Capability)",
  "@odata.count": 7,
  "value":
  [
    {
      "@odata.type": "#ApplicationService.Capability",
      "Name": "DEVICE_MANAGEMENT",
      "Description": "This capability tells whether the console is capable
of restricting execution of tasks based on onboarded and not-onboarded
devices"
    },
    {
      "@odata.type": "#ApplicationService.Capability",
      "Name": "BOOT_TO_NETWORK_ISO",
      "Description": "This capability is for booting devices from network
iso."
    },
    {
      "@odata.type": "#ApplicationService.Capability",
      "Name": "DEPLOY_ON_LICENSE",
      "Description": "This capability for deploying servers with valid
license"
    },
    {
      "@odata.type": "#ApplicationService.Capability",
      "Name": "NETWORK_CONFIGURATION",
      "Description": "Network Configuration"
    },
    {
      "@odata.type": "#ApplicationService.Capability",
      "Name": "VLAN_CONFIG",
      "Description": "Vlan Config"
    },
    {
      "@odata.type": "#ApplicationService.Capability",
      "Name": "VIRTUAL_IO",
      "Description": "Virtual IO"
    },
    {
      "@odata.type": "#ApplicationService.Capability",
      "Name": "PROCESS_UNKNOWN_DEVICE_ALERTS",
      "Description": "This capability is for processing actions on alerts
reception from undiscovered devices "
    }
  ]
}
```

14

Search

This resource enables you to search for navigation links and documents using query strings.

Use the URIs in this resource to search for navigation links and documents by providing search query strings.

Topics:

- /api/SearchService/Actions/SearchService.Search

/api/SearchService/Actions/SearchService.Search

POST method for SearchService.Search

This method performs a search using the query string that you provide and returns links to the corresponding navigation pages.

Description	Searches for the query strings and returns the links to the navigation pages.
Privilege	VIEW
HTTP response codes	200

Example request body

```
{
  "Count":8,
  "Skip":7,
  "QueryString": "device",
  "FilterType":
  [
    "tasks",
    "devices",
    "events",
    "archdocs",
    "helplinks",
    "warranties",
    "policies",
    "users",
    "logs"
  ]
}
```

Example response body

```
{
  "took": 87,
  "timed_out": false,
  "_shards": {
    "total": 1,
    "successful": 1,
    "failed": 0
  },
  "hits":{
    "total": 11,
    "max_score": 10,
    "hits": [
      {
```

```
        "_index": "OME-Modular",
        "_type": "tasks",
        "_id": "3864",
        "_score": 1,
        "_source": {
          "tskNm": "Device_Config_Task (1493523261197) - for Device with Id:
1864",
          "tskTyp": "Device Config Task",
          "tskStatus": "Task status is Failed",
          "tskDesc": "Device_Config_Task (1493523261197) - for Device with
Id: 1864",
          "tskCreatedBy": "system",
          "tskId": "3864"
        }
      }
    ]
  }
}
```


Table 127. Attributes

Attribute name	Description
QueryString	String to search.
FilterType	Indexes to be searched for the query string.
Took	Indicates the time taken for the search to be completed.
Timed_out	Indicates if the search timed out.
Shards	
Shards - Total	
Shards - Successful	
Shards - Failed	
Hits	
Hits - Total	
Hits - Max_score	
Index	
Type	
Id	
Score	
Source	The wrapper object that encapsulates the search results based on selected filter type. This example elaborates, attributes returned for document type **Task** that stores Task Name, Type, Status, Description, and so on. · tskNm · tskTyp · tskStatus · tskDesc · tskCreatedBy · tskId

15

Session

Topics:

- /api/SessionService
- /api/SessionService/Sessions
- /api/SessionService/Sessions(Id)
- /api/SessionService/SessionConfiguration
- /api/SessionService/Actions/SessionService.SessionConfigurationUpdate
- /api/SessionService/Actions/SessionService.Logoff

/api/SessionService

This URI represents the collection of session services.

GET method for SessionService

This method returns a collection of the sessions services.

Description	Returns a collection of session services.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#SessionService.SessionService",
  "@odata.id": "/api/SessionService",
  "Id": "SessionServiceID",
  "Description": "SessionService",
  "Name": "SessionService",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK"
  },
  "ServiceEnabled": true,
  "SessionTimeout": 1800,
  "Actions": null,
  "Sessions@odata.navigationLink": "/api/SessionService/Sessions"
}
```

Table 128. Attributes

Attribute Name	Description
Id	The unique identifier of the session service.
ServiceEnabled	Indicates whether the session service is enabled.
SessionTimeout	The session timeout duration in seconds.
Name	Name given for Session service.
Description	Description for the Session service.
Sessions	The link to the collection of active sessions.

/api/SessionService/Sessions

This URI represents a collection of active session services.

GET method for Sessions

This method returns the collection of active session service.

Description	Returns a collection of active session services.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Collection(SessionService.Session)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/SessionService/Sessions('7b723932-a119-4843-
a5b7-7a122e4def99')",
      "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
      "Description": "root",
      "Name": "API",
      "UserName": "root",
      "Password": null,
      "Roles": [
        "ADMINISTRATOR"
      ],
      "IpAddress": "xx.xx.xx.xx",
      "StartTimeStamp": "2017-04-17 20:07:12.357",
      "LastAccessedTimeStamp": "2017-04-17 20:07:45.482"
    }
  ]
}
```

Table 129. Attributes

Attribute Name	Description
Id	The unique identifier of the SessionService.
UserName	The session user name.
Password	The session user password.
Roles	Role privileges.
IpAddress	IP address of session source.
StartTimeStamp	Time when the session began.
LastAccessedTimeStamp	Time when the session was last accessed.
Description	Description for the user session.

POST method for Sessions

This method authenticates the user and establishes a session.

Description	Authenticates the user and establishes a session.
Privilege	SECURITY_SETUP
HTTP response codes	200

Example request body

```
{
     "UserName":"root",
  "Password":"linux",
  "SessionType":"API"
}
```

Example response body

```
{
  "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
  "Description": "root",
  "Name": "API",
  "UserName": "root",
  "Password": null,
  "Roles": [
    "ADMINISTRATOR"
   ],
  "IpAddress": "xx.xx.xx.xx",
  "StartTimeStamp": "2017-04-17 20:07:12.357",
  "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}
```

Table 130. Attributes

Attribute Name	Description
UserName	The Session user name.
Password	The session user password.
SessionType	The type of session being created.
Id	The unique identifier of the SessionService.
Description	Description for the user session.
Name	Name of the session.
Roles	Role privileges.
IpAddress	IP address of session source.
StartTimeStamp	Time when the session began.
LastAccessedTimeStamp	Time when the session was last accessed.

/api/SessionService/Sessions(Id)

This method represents the instance of a session.

GET method for Sessions(Id)

This method returns the sessions associated with the User ID.

Description Returns the session associated with the user ID.

Privilege VIEW

HTTP response codes 200

Example request body

```
{
     "UserName":"root",
  "Password":"linux",
```

```
  "SessionType":"API"
}
```

Example response body

```
{
  "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
  "Description": "root",
  "Name": "API",
  "UserName": "root",
  "Password": null,
  "Roles": [
    "ADMINISTRATOR"
   ],
  "IpAddress": "xx.xx.xx.xx",
  "StartTimeStamp": "2017-04-17 20:07:12.357",
  "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}
```

Table 131. Attributes

Attribute Name	Description
Id	The unique identifier of the SessionService.
UserName	The session user name.
Password	The session user password.
Roles	Role privileges.
IpAddress	IP address of session source.
StartTimeStamp	Time when the session began.
LastAccessedTimeStamp	Time when the session was last accessed.

DELETE method for Sessions(Id)

This method deletes a specific session.

Description	Deletes a specific session.
Privilege	SECURITY_SETUP
HTTP response codes	204

/api/SessionService/SessionConfiguration

GET method for SessionConfiguration

Description	This method adds the ability to configure the inactivity (not active sessions) timeout interval and the maximum number of sessions that are enabled per session type. When these properties are changed, the properties of the current active sessions are not terminated or modified.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "/api/
$metadata#Collection(SessionService.SessionConfiguration)",
    "@odata.count": 6,
    "value": [
        {
            "@odata.type": "#SessionService.SessionConfiguration",
            "SessionType": "GUI",
            "MaxSessions": 6,
            "SessionTimeout": 1320000,
            "MinSessionTimeout": 60000,
            "MaxSessionTimeout": 86400000,
            "MinSessionsAllowed": 1,
            "MaxSessionsAllowed": 6
        },
        {
            "@odata.type": "#SessionService.SessionConfiguration",
            "SessionType": "UniversalTimeout",
            "MaxSessions": 0,
            "SessionTimeout": 1320000,
            "MinSessionTimeout": -1,
            "MaxSessionTimeout": 86400000,
            "MinSessionsAllowed": 0,
            "MaxSessionsAllowed": 0
        },
        {
            "@odata.type": "#SessionService.SessionConfiguration",
            "SessionType": "API",
            "MaxSessions": 100,
            "SessionTimeout": 1320000,
            "MinSessionTimeout": 60000,
            "MaxSessionTimeout": 86400000,
            "MinSessionsAllowed": 1,
            "MaxSessionsAllowed": 100
        },
        {
            "@odata.type": "#SessionService.SessionConfiguration",
            "SessionType": "SSH",
            "MaxSessions": 4,
            "SessionTimeout": 1320000,
            "MinSessionTimeout": 60000,
            "MaxSessionTimeout": 1800000,
            "MinSessionsAllowed": 1,
            "MaxSessionsAllowed": 4
        },
        {
            "@odata.type": "#SessionService.SessionConfiguration",
            "SessionType": "Serial",
            "MaxSessions": 4,
            "SessionTimeout": 1320000,
            "MinSessionTimeout": 60000,
            "MaxSessionTimeout": 86400000,
            "MinSessionsAllowed": 1,
            "MaxSessionsAllowed": 4
        }
    ]
}
```

/api/SessionService/Actions/SessionService.SessionConfigurationUpdate

POST method for SessionService.SessionConfigurationUpdate

Description	This method adds the ability to configure the inactivity (not active sessions) timeout interval and the maximum number of sessions that are enabled per session type. When these properties are changed, the properties of the current active sessions are not terminated or modified.
Privilege	VIEW
HTTP response codes	200

Example request body

```
        [
{
    "SessionType": "GUI",
    "MaxSessions": 6,
    "SessionTimeout": 1800000
},
{
    "SessionType": "API",
    "MaxSessions": 100,
    "SessionTimeout": 1800000
},
{
    "SessionType": "SSH",
    "MaxSessions": 4,
    "SessionTimeout": 1800000
},
{
    "SessionType": "UniversalTimeout",
    "MaxSessions": 0,
    "SessionTimeout": -1
},
{
    "SessionType": "QuickSync",
    "MaxSessions": 8,
    "SessionTimeout": 86400000
},
{
    "SessionType": "Serial",
    "MaxSessions": 4,
    "SessionTimeout": 1800000
}
        ]
```

/api/SessionService/Actions/SessionService.Logoff

This URI logs off your current session.

POST method for session service log off

This method log off the current session of the user.

Description	Logs off the current session of the user.
Privilege	VIEW
HTTP response codes	200
Example response body	None

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APIs specific to OpenManage Enterprise – Modular Edition

Topics:

- /api/ApplicationService/Settings
- /api/ApplicationService/Network/CurrentAddressConfiguration
- /api/ApplicationService/Network/AddressConfiguration
- /api/ApplicationService/Actions/ApplicationService.GetConfiguration
- /api/ApplicationService/Actions/ApplicationService.ApplyConfiguration
- Brand
- Multichassis management
- FIPS mode settings
- Fabric management
- Port configuration in Fabrics
- Storage management
- Quick Deploy
- Server NIC VLAN configuration
- Template Service

/api/ApplicationService/Settings

This URI represents the application settings information.

GET method for /api/ApplicationService/Settings

This method returns the application settings.

Description	Returns the application settings.
Privilege	VIEW
HTTP response codes	200
Example Request Body	

```
 {
    "@odata.context": "/api/
$metadata#Collection(ApplicationService.ConsoleSetting)",
    "@odata.count": 1,
    "value": [
        {
            "@odata.type": "#ApplicationService.ConsoleSetting",
            "Name": "DEVICE_PREFERRED_NAME",
            "DefaultValue": "HOST_NAME",
            "Value": "HOST_NAME",
            "DataType": "java.lang.String",
            "GroupName": "DISCOVERY_SETTING"
        }
    ]
}
```

POST method for /api/ApplicationService/Settings

This method returns the application service settings.

Description	Returns one or more application settings. You can get the name of the setting and the group, using this API.
Privilege	APPLIANCE_SETUP
HTTP response codes	201
Example Response Body	

```
{
 "ConsoleSetting":
  [{
"Name": "WARRANTY_EXPIRY_SETTING",
"DefaultValue": "90",
"Value": "1",
"DataType": "java.lang.Boolean",
"GroupName": "WARRANTY_SCOREBOARD"
}
]

}
```

/api/ApplicationService/Network/CurrentAddressConfiguration

This URI represents the current network IP configuration.

NOTE: This API is not available in OpenManage Enterprise from version 3.3.1.

GET method for CurrentAddressConfiguration

This method returns the current network IP configuration.

Description	Returns the current network IP configuration.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#Network.CurrentAddressConfiguration/
$entity",
  "@odata.type": "#Network.CurrentAddressConfiguration",
  "@odata.id": "/api/ApplicationService/Network/CurrentAddressConfiguration",
  "Ipv4Setting":
  {
    "Enable": true,
    "EnableDHCP": true,
    "CurrentIPAddress": "xx.xx.xx.xx",
    "CurrentSubnetMask": "255.255.255.0",
    "CurrentGateway": "192.168.1.1",
    "UseDHCPForDNSServerNames": true,
    "CurrentPreferredDNSServer": "192.168.1.2",
    "CurrentAlternateDNSServer": "192.168.1.3"
  },
  "Ipv6Setting":
  {
    "Enable": false,
    "EnableAutoConfiguration": true,
    "CurrentIPAddress": "",
    "CurrentGateway": "",
```

```
    "CurrentLinkLocalAddress": "",
    "UseDHCPForDNSServerNames": true,
    "CurrentPreferredDNSServer": "",
    "CurrentAlternateDNSServer": ""
  },
  "DnsSetting":
  {
    "DnsFQDName": "dell.example.com",
    "DnsDomainName": "example.com"
  }
}
```

Table 132. Attributes

Attribute name	Description
Ipv4Setting.Enable	IPv4 network settings status.
Ipv4Setting.EnableDHCP	Obtain IPv4 via DHCP server status.
Ipv4Setting.CurrentIPAddress	Current IPv4 address.
Ipv4Setting.CurrentSubMask	Current IPv4 subnet mask address.
Ipv4Setting.CurrentGateway	Current IPv4 gateway address.
Ipv4Setting.UseDHCPForDNSServerNames	Obtain IPv4 DNS servers by using DHCP server options status.
Ipv4Setting.CurrentPreferredDNSServer	Current IPv4 DNS preferred server.
Ipv4Setting.CurrentAlternateDNSServer	Current IPv4 DNS alternate server.
Ipv6Setting.Enable	IPv6 network settings status.
Ipv6Setting.EnableAutoConfiguration	IPv6 via DHCP server status.
Ipv6Setting.CurrentIPAddress	Current IPv6 address.
Ipv6Setting.CurrentGateway	Current IPv6 prefix length.
Ipv6Setting.CurrentLinkLocalAddress	Current IPv6 gateway address.
Ipv6Setting.UseDHCPForDNSServerNames	Obtain IPv6 DNS servers by using DHCP server options status.
Ipv6Setting.CurrentPreferredDNSServer	Current IPv6 DNS preferred server.
Ipv6Setting.CurrentAlternateDNSServer	Current IPv6 DNS alternate server.
DnsSetting.DnsFQDName	Current FQDN registered.
DnsSetting.DnsDomainName	Current Domain Name.

/api/ApplicationService/Network/AddressConfiguration

This URI represents the network configuration.

NOTE: This API is not available in OpenManage Enterprise from version 3.3.1.

GET method for AddressConfiguration

This method returns the network configuration.

Description	Returns the current network configuration.
Privilege	VIEW

HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#Network.AddressConfiguration/$entity",
  "@odata.type": "#Network.AddressConfiguration",
  "@odata.id": "/api/ApplicationService/Network/AddressConfiguration",
  "EnableNIC": true,
  "Ipv4Configuration":
  {
    "Enable": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "Ipv6Configuration":
  {
    "Enable": false,
    "EnableAutoConfiguration": true,
    "StaticIPAddress": "",
    "StaticPrefixLength": 0,
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "ManagementVLAN":
  {
    "EnableVLAN": false,
    "Id": 1
  },
  "DnsConfiguration":
  {
    "RegisterWithDNS": false,
    "DnsName": "MX7000",
    "UseDHCPForDNSDomainName": false,
    "DnsDomainName": ""
  },
  "Delay": 0
}
```

PUT method for AddressConfiguration

This method updates the network configuration.

Description	Updates the network configuration.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example request body

```
{
  "@odata.context": "/api/$metadata#Network.AddressConfiguration/$entity",
  "@odata.type": "#Network.AddressConfiguration",
  "@odata.id": "/api/ApplicationService/Network/AddressConfiguration",
  "EnableNIC": true,
  "Ipv4Configuration":
  {
    "Enable": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
```

```
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "Ipv6Configuration":
  {
    "Enable": false,
    "EnableAutoConfiguration": true,
    "StaticIPAddress": "",
    "StaticPrefixLength": 0,
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "ManagementVLAN":
  {
    "EnableVLAN": false,
    "Id": 1
  },
  "DnsConfiguration":
  {
    "RegisterWithDNS": false,
    "DnsName": "MX-OME-ModularST01",
    "UseDHCPForDNSDomainName": false,
    "DnsDomainName": ""
  },
  "Delay": 0
}
```

Example response body

```
{
  "EnableNIC": true,
  "Ipv4Configuration":
  {
    "Enable": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "Ipv6Configuration":
  {
    "Enable": false,
    "EnableAutoConfiguration": true,
    "StaticIPAddress": "",
    "StaticPrefixLength": 0,
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "ManagementVLAN":
  {
    "EnableVLAN": false,
    "Id": 1
  },
  "DnsConfiguration":
  {
    "RegisterWithDNS": false,
    "DnsName": "MX7000",
    "UseDHCPForDNSDomainName": false,
    "DnsDomainName": "",
    "Ipv4CurrentPreferredDNSServer": "192.168.1.2",
    "Ipv4CurrentAlternateDNSServer": "192.168.1.3",
    "Ipv6CurrentPreferredDNSServer": "",
```

```
    "Ipv6CurrentAlternateDNSServer": "",
    "FqdndomainName": ""
  },
  "Delay": 0
}
```

Table 133. Attributes

Attribute name	Description
EnableNIC	Network interface controller for public networking access.
Ipv4Configuration.Enable	Enable IPv4 network settings.
Ipv4Configuration.EnableDHCP	Obtain IPv4 via DHCP server.
Ipv4Configuration.StaticIPAddress	Set Static IPv4 address.
Ipv4Configuration.StaticSubnetMask	Set Static IPv4 subnet mask address.
Ipv4Configuration.StaticGateway	Set Static IPv4 gateway address.
Ipv4Configuration.UseDHCPForDNSServerNames	Obtain IPv4 DNS servers via DHCP server options.
Ipv4Configuration.StaticPreferredDNSServer	Set Static IPv4 DNS preferred server.
Ipv4Configuration.StaticAlternateDNSServer	Set Static IPv4 DNS alternate server.
Ipv6Configuration.Enable	Enable IPv6 network settings.
Ipv6Configuration.EnableAutoConfiguration	Obtain IPv6 using DHCPv6 server or router advertisements (RA).
Ipv6Configuration.StaticIPAddress	Set Static IPv6 address.
Ipv6Configuration.StaticPrefixLength	Set Static IPv6 prefix length.
Ipv6Configuration.StaticGateway	Set Static IPv6 gateway address.
Ipv6Configuration.UseDHCPForDNSServerNames	Obtain IPv6 DNS servers via DHCP server options.
Ipv6Configuration.StaticPreferredDNSServer	Set Static IPv6 DNS preferred server.
Ipv6Configuration.StaticAlternateDNSServer	Set Static IPv6 DNS alternate server.
ManagementVLAN.EnableVLAN	Enable Tagged VLAN.
ManagementVLAN.Id	Set VLAN ID.
DnsConfiguration.RegisterWithDNS	Register/Unregister with DNS server.
DnsConfiguration.DnsName	Set DNS name.
DnsConfiguration.UseDHCPForDNSDomainName	Obtain DNS domain name via DHCP server.
DnsConfiguration.DnsDomainName	Set Static DNS domain name.
Delay	The time, in seconds, after which settings are applied asynchronously.

/api/ApplicationService/Actions/ApplicationService.GetConfiguration

POST method for ApplicationService.GetConfiguration

This method returns a collection of all the settings of the system or a group of settings.

Description Returns a collection of settings.

Privilege VIEW

HTTP response codes 200

Example Request Body

```
[] or blank
```

Example Response Body


```
{
  "SystemConfiguration": {
    "Comments": [
      "Export type is Normal,JSON"
    ],
    "Model": "POWEREDGE MX7000",
    "ServiceTag": "01PTCOME-Modular",
    "TimeStamp": "2018-09-25T13:39:10.933Z",
    "Components": [
      {
        "FQDD": "MM.Embedded.1",
        "Attributes": [
          {
            "Name": "WebServer.1#Timeout",
            "Value": 30
          },
          {
            "Name": "WebServer.1#HttpsPort",
            "Value": 443
          },
          {
            "Name": "WebServer.1#WebserverEnable",
            "Value": true
          },
          {
            "Name": "Preference.1#DeviceName",
            "Value": "SLOT_NAME"
          },
          {
            "Name": "LoginSecurity.1#Id",
            "Value": "10"
          },
          {
            "Name": "LoginSecurity.1#LockoutFailCount",
            "Value": 3
          },
          {
            "Name": "LoginSecurity.1#LockoutFailCountTime",
            "Value": 30
          },
          {
            "Name": "LoginSecurity.1#LockoutPenaltyTime",
            "Value": 900
          },
          {
            "Name": "LoginSecurity.1#IPRangeAddr",
            "Value": null
          },
          {
            "Name": "LoginSecurity.1#LockoutByUsernameEnable",
            "Value": false
          },
          {
            "Name": "LoginSecurity.1#LockoutByIPEnable",
            "Value": true
          },
          {
            "Name": "LoginSecurity.1#IPRangeEnable",
            "Value": false
          },
          {
```

```
            "Name": "RemoteSystemLog.1#RemoteSyslogEnable",
            "Value": true
          },
          {
            "Name": "RemoteSystemLog.1#destinationAddress",
            "Value": "10.36.0.167"
          },
          {
            "Name": "RemoteSystemLog.1#Port",
            "Value": 514
          },
          {
            "Name": "RemoteSystemLog.2#RemoteSyslogEnable",
            "Value": false
          },
          {
            "Name": "RemoteSystemLog.2#destinationAddress",
            "Value": null
          },
          {
            "Name": "RemoteSystemLog.2#Port",
            "Value": 0
          },
          {
            "Name": "RemoteSystemLog.3#RemoteSyslogEnable",
            "Value": false
          },
          {
            "Name": "RemoteSystemLog.3#destinationAddress",
            "Value": null
          },
          {
            "Name": "RemoteSystemLog.3#Port",
            "Value": 0
          },
          {
            "Name": "RemoteSystemLog.4#RemoteSyslogEnable",
            "Value": false
          },
          {
            "Name": "RemoteSystemLog.4#destinationAddress",
            "Value": null
          },
          {
            "Name": "RemoteSystemLog.4#Port",
            "Value": 0
          },
          {
            "Name": "ChassisPower.1#SystemInputPowerCap",
            "Value": "6763"
          },
          {
            "Name": "ChassisPower.1#RedundancyPolicy",
            "Value": "NO_REDUNDANCY"
          },
          {
            "Name": "ChassisPower.1#EnablePowerCap",
            "Value": true
          },
          {
            "Name": "SNMPAlerts.1#Enable",
            "Value": true
          },
          {
            "Name": "SNMPAlerts.1#DestinationIP",
            "Value": "10.36.0.167"
          },
          {
            "Name": "SNMPAlerts.1#port",
            "Value": 162
          },
          {
```

```
            "Name": "SNMPAlerts.1#version",
            "Value": "SNMPV1"
          },
          {
            "Name": "SNMPAlerts.1#CommunityString",
            "Value": "public"
          },
          {
            "Name": "SNMPAlerts.2#Enable",
            "Value": false
          },
          {
            "Name": "SNMPAlerts.2#DestinationIP",
            "Value": null
          },
          {
            "Name": "SNMPAlerts.2#port",
            "Value": 0
          },
          {
            "Name": "SNMPAlerts.2#version",
            "Value": null
          },
          {
            "Name": "SNMPAlerts.2#CommunityString",
            "Value": null
          },
          {
            "Name": "SNMPAlerts.3#Enable",
            "Value": false
          },
          {
            "Name": "SNMPAlerts.3#DestinationIP",
            "Value": null
          },
          {
            "Name": "SNMPAlerts.3#port",
            "Value": 0
          },
          {
            "Name": "SNMPAlerts.3#version",
            "Value": null
          },
          {
            "Name": "SNMPAlerts.3#CommunityString",
            "Value": null
          },
          {
            "Name": "SNMPAlerts.4#Enable",
            "Value": false
          },
          {
            "Name": "SNMPAlerts.4#DestinationIP",
            "Value": null
          },
          {
            "Name": "SNMPAlerts.4#port",
            "Value": 0
          },
          {
            "Name": "SNMPAlerts.4#version",
            "Value": null
          },
          {
            "Name": "SNMPAlerts.4#CommunityString",
            "Value": null
          },
          {
            "Name": "TimeConfig.1#TimeZone",
            "Value": "TZ_ID_11"
          },
          {
```

```
            "Name": "TimeConfig.1#NTPEnable",
            "Value": false
          },
          {
            "Name": "TimeConfig.1#NTPServer1",
            "Value": null
          },
          {
            "Name": "TimeConfig.1#NTPServer2",
            "Value": null
          },
          {
            "Name": "TimeConfig.1#NTPServer3",
            "Value": null
          },
          {
            "Name": "TimeConfig.1#systemTime",
            "Value": "2018-09-25 08:39:07"
          },
          {
            "Name": "LocalAccessConfiguration.1#EnableChassisPowerButton",
            "Value": true
          },
          {
            "Name": "LocalAccessConfiguration.1#EnableKvmAccess",
            "Value": false
          },
          {
            "Name": "LocalAccessConfiguration.1#LcdAccess",
            "Value": "VIEW_AND_MODIFY"
          },
          {
            "Name": "QuickSync.1#Access",
            "Value": "READ_WRITE"
          },
          {
            "Name": "QuickSync.1#InactivityTimerEnable",
            "Value": true
          },
          {
            "Name": "QuickSync.1#InactivityTimeout",
            "Value": 120
          },
          {
            "Name": "QuickSync.1#ReadAuthentication",
            "Value": true
          },
          {
            "Name": "QuickSync.1#WifiEnable",
            "Value": true
          },
          {
            "Name": "EmailAlertsConf.1#DestinationEmailAddress",
            "Value": "10.36.0.167"
          },
          {
            "Name": "EmailAlertsConf.1#portNumber",
            "Value": 25
          },
          {
            "Name": "EmailAlertsConf.1#useCredentials",
            "Value": false
          },
          {
            "Name": "EmailAlertsConf.1#useSSL",
            "Value": false
          },
          {
            "Name": "EmailAlertsConf.1#user",
            "Value": null
          },
          {
```

```
            "Name": "EmailAlertsConf.1#Password",
            "Value": null
          },
          {
            "Name": "SNMPService.1#Enable",
            "Value": true
          },
          {
            "Name": "SNMPService.1#Port",
            "Value": 161
          },
          {
            "Name": "SNMPService.1#CommunityName",
            "Value": "public"
          },
          {
            "Name": "SSH.1#Enable",
            "Value": true
          },
          {
            "Name": "SSH.1#Port",
            "Value": 22
          },
          {
            "Name": "SSH.1#MaxSessions",
            "Value": 4
          },
          {
            "Name": "SSH.1#Timeout",
            "Value": 1800
          },
          {
            "Name": "Racadm.1#Enable",
            "Value": true
          },
          {
            "Name": "Proxy.1#ipAddress",
            "Value": null
          },
          {
            "Name": "Proxy.1#Port",
            "Value": 0
          },
          {
            "Name": "Proxy.1#user",
            "Value": null
          },
          {
            "Name": "Proxy.1#password",
            "Value": null
          },
          {
            "Name": "Proxy.1#enableAuthentication",
            "Value": false
          },
          {
            "Name": "Proxy.1#enableProxy",
            "Value": false
          },
          {
            "Name": "Network#SettingType",
            "Value": "Network"
          },
          {
            "Name": "Network#MgmtVLANId",
            "Value": "1"
          },
          {
            "Name": "Network#EnableVLAN",
            "Value": false
          },
          {
```

```
            "Name": "Network#Ipv4Settings#EnableIPv4",
            "Value": true
          },
          {
            "Name": "Network#Ipv4Settings#EnableDHCP",
            "Value": true
          },
          {
            "Name": "Network#Ipv4Settings#StaticIPAddress",
            "Value": ""
          },
          {
            "Name": "Network#Ipv4Settings#StaticSubnetMask",
            "Value": ""
          },
          {
            "Name": "Network#Ipv4Settings#StaticGateway",
            "Value": ""
          },
          {
            "Name": "Network#Ipv4Settings#UseDHCPObtainDNSServerAddresses",
            "Value": true
          },
          {
            "Name": "Network#Ipv4Settings#StaticPreferredDNSServer",
            "Value": ""
          },
          {
            "Name": "Network#Ipv4Settings#StaticAlternateDNSServer",
            "Value": ""
          },
          {
            "Name": "Network#Ipv6Settings#EnableIPv6",
            "Value": false
          },
          {
            "Name": "Network#Ipv6Settings#EnableAutoconfiguration",
            "Value": true
          },
          {
            "Name": "Network#Ipv6Settings#StaticIPv6Address",
            "Value": ""
          },
          {
            "Name": "Network#Ipv6Settings#StaticPrefixLength",
            "Value": "0"
          },
          {
            "Name": "Network#Ipv6Settings#StaticGateway",
            "Value": ""
          },
          {
            "Name": "Network#Ipv6Settings#UseDHCPv6ObtainDNSServerAddresses",
            "Value": true
          },
          {
            "Name": "Network#Ipv6Settings#StaticPreferredDNSServer",
            "Value": ""
          },
          {
            "Name": "Network#Ipv6Settings#StaticAlternateDNSServer",
            "Value": ""
          },
          {
            "Name": "Network#GeneralSettings#EnableNIC",
            "Value": true
          },
          {
            "Name": "Network#GeneralSettings#RegisterDNS",
            "Value": true
          },
          {
```

```
            "Name": "Network#GeneralSettings#DnsName",
            "Value": "MX-01PTCOME-Modular1234"
          },
          {
            "Name": "Network#GeneralSettings#UseDHCPForDomainName",
            "Value": true
          },
          {
            "Name": "Network#GeneralSettings#DnsDomainName",
            "Value": ""
          },
          {
            "Name": "Network#GeneralSettings#AutoNegotiation",
            "Value": true
          },
          {
            "Name": "Network#GeneralSettings#NetworkSpeed",
            "Value": "100_MB"
          },
          {
            "Name": "Network#GeneralSettings#Delay",
            "Value": 0
          },
          {
            "Name": "Users.1#userType",
            "Value": 1
          },
          {
            "Name": "Users.1#SHA256Password",
            "Value": "$2a
$10$0MAfJwXIdGRvp2wtQQMS6OzcdOH8aD9kiFrX8wy8Ltxb2UFaVP9GW"
          },
          {
            "Name": "Users.1#Name",
            "Value": "root"
          },
          {
            "Name": "Users.1#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.1#Enable",
            "Value": true
          },
          {
            "Name": "Users.1#Password",
            "Value": null
          },
          {
            "Name": "Users.2#userType",
            "Value": 1
          },
          {
            "Name": "Users.2#SHA256Password",
            "Value": "$2a
$10$zpVUzQIfE3nCOpodYXiz9.A.rr6SAkYcovyTEd49hxL7N83ZeqkqK"
          },
          {
            "Name": "Users.2#Name",
            "Value": "ravi2"
          },
          {
            "Name": "Users.2#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.2#Enable",
            "Value": true
          },
          {
            "Name": "Users.2#Password",
            "Value": null
```

```
          },
          {
            "Name": "Users.3#userType",
            "Value": 1
          },
          {
            "Name": "Users.3#SHA256Password",
            "Value": "$2a
$10$dTg7igLe1neXnZthG9vzP.8ML.tcUOxyeP.i3XRD7eYfKMlJOqMDe"
          },
          {
            "Name": "Users.3#Name",
            "Value": "ravi"
          },
          {
            "Name": "Users.3#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.3#Enable",
            "Value": true
          },
          {
            "Name": "Users.3#Password",
            "Value": null
          },
          {
            "Name": "Users.4#userType",
            "Value": 1
          },
          {
            "Name": "Users.4#SHA256Password",
            "Value": "$2a
$10$ntDJPWAkaB5oemKyzLQPG.M5HliotxOby.q9cHPg2XIiYgPZjannC"
          },
          {
            "Name": "Users.4#Name",
            "Value": "MK"
          },
          {
            "Name": "Users.4#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.4#Enable",
            "Value": true
          },
          {
            "Name": "Users.4#Password",
            "Value": null
          },
          {
            "Name": "Users.5#userType",
            "Value": 2
          },
          {
            "Name": "Users.5#SHA256Password",
            "Value": "$2a
$10$H0cK06cAnceieSNuaI3JT.TI8DfX49XkdVcNbHC4G2X92lAhCAstS"
          },
          {
            "Name": "Users.5#Name",
            "Value": "OME-ModularMegatronTeam"
          },
          {
            "Name": "Users.5#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.5#Enable",
            "Value": true
          },
```

```
            {
              "Name": "Users.5#objectGuid",
              "Value": "d22005b6-0ce5-40ed-88d0-7f7759b52f25"
            },
            {
              "Name": "Users.5#Password",
              "Value": null
            },
            {
              "Name": "Users.5#directoryType",
              "Value": "AD"
            },
            {
              "Name": "Users.5#directoryName",
              "Value": "dell.com"
            },
            {
              "Name": "ActiveDirectory.1#name",
              "Value": "dell.com"
            },
            {
              "Name": "ActiveDirectory.1#serverType",
              "Value": "MANUAL"
            },
            {
              "Name": "ActiveDirectory.1#DomainController1",
              "Value": "10.170.15.214"
            },
            {
              "Name": "ActiveDirectory.1#Domain",
              "Value": "dell.com"
            },
            {
              "Name": "ActiveDirectory.1#Port",
              "Value": 3269
            },
            {
              "Name": "ActiveDirectory.1#NetworkTimeout",
              "Value": 120
            },
            {
              "Name": "ActiveDirectory.1#SearchTimeout",
              "Value": 120
            },
            {
              "Name": "ActiveDirectory.1#CertValidationEnable",
              "Value": false
            },
            {
              "Name": "ActiveDirectory.1#certificateFile",
              "Value": ""
            },
            {
              "Name": "LDAP.1#name",
              "Value": "LDAP Dell"
            },
            {
              "Name": "LDAP.1#serverType",
              "Value": "MANUAL"
            },
            {
              "Name": "LDAP.1#DomainController1",
              "Value": "10.36.0.167"
            },
            {
              "Name": "LDAP.1#Port",
              "Value": 636
            },
            {
              "Name": "LDAP.1#BaseDN",
              "Value": "dc=dell,dc=com"
            },
```

```
            {
              "Name": "LDAP.1#NetworkTimeout",
              "Value": 120
            },
            {
              "Name": "LDAP.1#SearchTimeout",
              "Value": 120
            },
            {
              "Name": "LDAP.1#CertValidationEnable",
              "Value": false
            },
            {
              "Name": "LDAP.1#certificateFile",
              "Value": ""
            }
          ]
        }
      ]
    }
}
```

Table 134. Attributes

Attribute	Description
SystemConfiguration	Parent tag that represents system configuration.
Comments	User-defined comments.
Model	Chassis model.
ServiceTag	Chassis Service Tag.
TimeStamp	Time stamp when the configuration is retrieved.
Components	Components for which the configuration is retrieved.
FQDD	A key for each setting.
Attributes	Key-value pairs of attributes.
Name	Attribute name.
Value	Attribute value.

/api/ApplicationService/Actions/ApplicationService.ApplyConfiguration

POST method for ApplicationService.ApplyConfiguration

This method updates the system settings.

Description Updates the system settings.

Privilege APPLIANCE_SETUP

HTTP response codes 200

Example request body

```
{
  "SystemConfiguration": {
    "Comments": [
      "Export type is Normal,JSON"
```

```
    ],
    "Model": "POWEREDGE MX7000",
    "ServiceTag": "01PTCOME-Modular",
    "TimeStamp": "2018-09-25T13:39:10.933Z",
    "Components": [
      {
        "FQDD": "MM.Embedded.1",
        "Attributes": [
          {
            "Name": "WebServer.1#Timeout",
            "Value": 30
          },
          {
            "Name": "WebServer.1#HttpsPort",
            "Value": 443
          },
          {
            "Name": "WebServer.1#WebserverEnable",
            "Value": true
          },
          {
            "Name": "Preference.1#DeviceName",
            "Value": "SLOT_NAME"
          },
          {
            "Name": "LoginSecurity.1#Id",
            "Value": "10"
          },
          {
            "Name": "LoginSecurity.1#LockoutFailCount",
            "Value": 3
          },
          {
            "Name": "LoginSecurity.1#LockoutFailCountTime",
            "Value": 30
          },
          {
            "Name": "LoginSecurity.1#LockoutPenaltyTime",
            "Value": 900
          },
          {
            "Name": "LoginSecurity.1#IPRangeAddr",
            "Value": null
          },
          {
            "Name": "LoginSecurity.1#LockoutByUsernameEnable",
            "Value": false
          },
          {
            "Name": "LoginSecurity.1#LockoutByIPEnable",
            "Value": true
          },
          {
            "Name": "LoginSecurity.1#IPRangeEnable",
            "Value": false
          },
          {
            "Name": "RemoteSystemLog.1#RemoteSyslogEnable",
            "Value": true
          },
          {
            "Name": "RemoteSystemLog.1#destinationAddress",
            "Value": "10.36.0.167"
          },
          {
            "Name": "RemoteSystemLog.1#Port",
            "Value": 514
          },
          {
            "Name": "RemoteSystemLog.2#RemoteSyslogEnable",
            "Value": false
          },
```

```
            {
              "Name": "RemoteSystemLog.2#destinationAddress",
              "Value": null
            },
            {
              "Name": "RemoteSystemLog.2#Port",
              "Value": 0
            },
            {
              "Name": "RemoteSystemLog.3#RemoteSyslogEnable",
              "Value": false
            },
            {
              "Name": "RemoteSystemLog.3#destinationAddress",
              "Value": null
            },
            {
              "Name": "RemoteSystemLog.3#Port",
              "Value": 0
            },
            {
              "Name": "RemoteSystemLog.4#RemoteSyslogEnable",
              "Value": false
            },
            {
              "Name": "RemoteSystemLog.4#destinationAddress",
              "Value": null
            },
            {
              "Name": "RemoteSystemLog.4#Port",
              "Value": 0
            },
            {
              "Name": "ChassisPower.1#SystemInputPowerCap",
              "Value": "6763"
            },
            {
              "Name": "ChassisPower.1#RedundancyPolicy",
              "Value": "NO_REDUNDANCY"
            },
            {
              "Name": "ChassisPower.1#EnablePowerCap",
              "Value": true
            },
            {
              "Name": "SNMPAlerts.1#Enable",
              "Value": true
            },
            {
              "Name": "SNMPAlerts.1#DestinationIP",
              "Value": "10.36.0.167"
            },
            {
              "Name": "SNMPAlerts.1#port",
              "Value": 162
            },
            {
              "Name": "SNMPAlerts.1#version",
              "Value": "SNMPV1"
            },
            {
              "Name": "SNMPAlerts.1#CommunityString",
              "Value": "public"
            },
            {
              "Name": "SNMPAlerts.2#Enable",
              "Value": false
            },
            {
              "Name": "SNMPAlerts.2#DestinationIP",
              "Value": null
            },
```

```
            {
              "Name": "SNMPAlerts.2#port",
              "Value": 0
            },
            {
              "Name": "SNMPAlerts.2#version",
              "Value": null
            },
            {
              "Name": "SNMPAlerts.2#CommunityString",
              "Value": null
            },
            {
              "Name": "SNMPAlerts.3#Enable",
              "Value": false
            },
            {
              "Name": "SNMPAlerts.3#DestinationIP",
              "Value": null
            },
            {
              "Name": "SNMPAlerts.3#port",
              "Value": 0
            },
            {
              "Name": "SNMPAlerts.3#version",
              "Value": null
            },
            {
              "Name": "SNMPAlerts.3#CommunityString",
              "Value": null
            },
            {
              "Name": "SNMPAlerts.4#Enable",
              "Value": false
            },
            {
              "Name": "SNMPAlerts.4#DestinationIP",
              "Value": null
            },
            {
              "Name": "SNMPAlerts.4#port",
              "Value": 0
            },
            {
              "Name": "SNMPAlerts.4#version",
              "Value": null
            },
            {
              "Name": "SNMPAlerts.4#CommunityString",
              "Value": null
            },
            {
              "Name": "TimeConfig.1#TimeZone",
              "Value": "TZ_ID_11"
            },
            {
              "Name": "TimeConfig.1#NTPEnable",
              "Value": false
            },
            {
              "Name": "TimeConfig.1#NTPServer1",
              "Value": null
            },
            {
              "Name": "TimeConfig.1#NTPServer2",
              "Value": null
            },
            {
              "Name": "TimeConfig.1#NTPServer3",
              "Value": null
            },
```

```
            {
              "Name": "TimeConfig.1#systemTime",
              "Value": "2018-09-25 08:39:07"
            },
            {
              "Name": "LocalAccessConfiguration.1#EnableChassisPowerButton",
              "Value": true
            },
            {
              "Name": "LocalAccessConfiguration.1#EnableKvmAccess",
              "Value": false
            },
            {
              "Name": "LocalAccessConfiguration.1#LcdAccess",
              "Value": "VIEW_AND_MODIFY"
            },
            {
              "Name": "QuickSync.1#Access",
              "Value": "READ_WRITE"
            },
            {
              "Name": "QuickSync.1#InactivityTimerEnable",
              "Value": true
            },
            {
              "Name": "QuickSync.1#InactivityTimeout",
              "Value": 120
            },
            {
              "Name": "QuickSync.1#ReadAuthentication",
              "Value": true
            },
            {
              "Name": "QuickSync.1#WifiEnable",
              "Value": true
            },
            {
              "Name": "EmailAlertsConf.1#DestinationEmailAddress",
              "Value": "10.36.0.167"
            },
            {
              "Name": "EmailAlertsConf.1#portNumber",
              "Value": 25
            },
            {
              "Name": "EmailAlertsConf.1#useCredentials",
              "Value": false
            },
            {
              "Name": "EmailAlertsConf.1#useSSL",
              "Value": false
            },
            {
              "Name": "EmailAlertsConf.1#user",
              "Value": null
            },
            {
              "Name": "EmailAlertsConf.1#Password",
              "Value": null
            },
            {
              "Name": "SNMPService.1#Enable",
              "Value": true
            },
            {
              "Name": "SNMPService.1#Port",
              "Value": 161
            },
            {
              "Name": "SNMPService.1#CommunityName",
              "Value": "public"
            },
```

```
            {
              "Name": "SSH.1#Enable",
              "Value": true
            },
            {
              "Name": "SSH.1#Port",
              "Value": 22
            },
            {
              "Name": "SSH.1#MaxSessions",
              "Value": 4
            },
            {
              "Name": "SSH.1#Timeout",
              "Value": 1800
            },
            {
              "Name": "Racadm.1#Enable",
              "Value": true
            },
            {
              "Name": "Proxy.1#ipAddress",
              "Value": null
            },
            {
              "Name": "Proxy.1#Port",
              "Value": 0
            },
            {
              "Name": "Proxy.1#user",
              "Value": null
            },
            {
              "Name": "Proxy.1#password",
              "Value": null
            },
            {
              "Name": "Proxy.1#enableAuthentication",
              "Value": false
            },
            {
              "Name": "Proxy.1#enableProxy",
              "Value": false
            },
            {
              "Name": "Network#SettingType",
              "Value": "Network"
            },
            {
              "Name": "Network#MgmtVLANId",
              "Value": "1"
            },
            {
              "Name": "Network#EnableVLAN",
              "Value": false
            },
            {
              "Name": "Network#Ipv4Settings#EnableIPv4",
              "Value": true
            },
            {
              "Name": "Network#Ipv4Settings#EnableDHCP",
              "Value": true
            },
            {
              "Name": "Network#Ipv4Settings#StaticIPAddress",
              "Value": ""
            },
            {
              "Name": "Network#Ipv4Settings#StaticSubnetMask",
              "Value": ""
            },
```

```
            {
              "Name": "Network#Ipv4Settings#StaticGateway",
              "Value": ""
            },
            {
              "Name": "Network#Ipv4Settings#UseDHCPObtainDNSServerAddresses",
              "Value": true
            },
            {
              "Name": "Network#Ipv4Settings#StaticPreferredDNSServer",
              "Value": ""
            },
            {
              "Name": "Network#Ipv4Settings#StaticAlternateDNSServer",
              "Value": ""
            },
            {
              "Name": "Network#Ipv6Settings#EnableIPv6",
              "Value": false
            },
            {
              "Name": "Network#Ipv6Settings#EnableAutoconfiguration",
              "Value": true
            },
            {
              "Name": "Network#Ipv6Settings#StaticIPv6Address",
              "Value": ""
            },
            {
              "Name": "Network#Ipv6Settings#StaticPrefixLength",
              "Value": "0"
            },
            {
              "Name": "Network#Ipv6Settings#StaticGateway",
              "Value": ""
            },
            {
              "Name": "Network#Ipv6Settings#UseDHCPv6ObtainDNSServerAddresses",
              "Value": true
            },
            {
              "Name": "Network#Ipv6Settings#StaticPreferredDNSServer",
              "Value": ""
            },
            {
              "Name": "Network#Ipv6Settings#StaticAlternateDNSServer",
              "Value": ""
            },
            {
              "Name": "Network#GeneralSettings#EnableNIC",
              "Value": true
            },
            {
              "Name": "Network#GeneralSettings#RegisterDNS",
              "Value": true
            },
            {
              "Name": "Network#GeneralSettings#DnsName",
              "Value": "MX-01PTCOME-Modular1234"
            },
            {
              "Name": "Network#GeneralSettings#UseDHCPForDomainName",
              "Value": true
            },
            {
              "Name": "Network#GeneralSettings#DnsDomainName",
              "Value": ""
            },
            {
              "Name": "Network#GeneralSettings#AutoNegotiation",
              "Value": true
            },
```

```
          {
            "Name": "Network#GeneralSettings#NetworkSpeed",
            "Value": "100_MB"
          },
          {
            "Name": "Network#GeneralSettings#Delay",
            "Value": 0
          },
          {
            "Name": "Users.1#userType",
            "Value": 1
          },
          {
            "Name": "Users.1#SHA256Password",
            "Value": "$2a
$10$0MAfJwXIdGRvp2wtQQMS6OzcdOH8aD9kiFrX8wy8Ltxb2UFaVP9GW"
          },
          {
            "Name": "Users.1#Name",
            "Value": "root"
          },
          {
            "Name": "Users.1#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.1#Enable",
            "Value": true
          },
          {
            "Name": "Users.1#Password",
            "Value": null
          },
          {
            "Name": "Users.2#userType",
            "Value": 1
          },
          {
            "Name": "Users.2#SHA256Password",
            "Value": "$2a
$10$zpVUzQIfE3nCOpodYXiz9.A.rr6SAkYcovyTEd49hxL7N83ZeqkqK"
          },
          {
            "Name": "Users.2#Name",
            "Value": "ravi2"
          },
          {
            "Name": "Users.2#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.2#Enable",
            "Value": true
          },
          {
            "Name": "Users.2#Password",
            "Value": null
          },
          {
            "Name": "Users.3#userType",
            "Value": 1
          },
          {
            "Name": "Users.3#SHA256Password",
            "Value": "$2a
$10$dTg7igLe1neXnZthG9vzP.8ML.tcUOxyeP.i3XRD7eYfKMlJOqMDe"
          },
          {
            "Name": "Users.3#Name",
            "Value": "ravi"
          },
          {
```

```
            "Name": "Users.3#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.3#Enable",
            "Value": true
          },
          {
            "Name": "Users.3#Password",
            "Value": null
          },
          {
            "Name": "Users.4#userType",
            "Value": 1
          },
          {
            "Name": "Users.4#SHA256Password",
            "Value": "$2a
$10$ntDJPWAkaB5oemKyzLQPG.M5HliotxOby.q9cHPg2XIiYgPZjannC"
          },
          {
            "Name": "Users.4#Name",
            "Value": "MK"
          },
          {
            "Name": "Users.4#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.4#Enable",
            "Value": true
          },
          {
            "Name": "Users.4#Password",
            "Value": null
          },
          {
            "Name": "Users.5#userType",
            "Value": 2
          },
          {
            "Name": "Users.5#SHA256Password",
            "Value": "$2a
$10$H0cK06cAnceieSNuaI3JT.TI8DfX49XkdVcNbHC4G2X92lAhCAstS"
          },
          {
            "Name": "Users.5#Name",
            "Value": "OME-ModularMegatronTeam"
          },
          {
            "Name": "Users.5#Privilege",
            "Value": "10"
          },
          {
            "Name": "Users.5#Enable",
            "Value": true
          },
          {
            "Name": "Users.5#objectGuid",
            "Value": "d22005b6-0ce5-40ed-88d0-7f7759b52f25"
          },
          {
            "Name": "Users.5#Password",
            "Value": null
          },
          {
            "Name": "Users.5#directoryType",
            "Value": "AD"
          },
          {
            "Name": "Users.5#directoryName",
            "Value": "dell.com"
```

```
        },
        {
          "Name": "ActiveDirectory.1#name",
          "Value": "dell.com"
        },
        {
          "Name": "ActiveDirectory.1#serverType",
          "Value": "MANUAL"
        },
        {
          "Name": "ActiveDirectory.1#DomainController1",
          "Value": "10.170.15.214"
        },
        {
          "Name": "ActiveDirectory.1#Domain",
          "Value": "dell.com"
        },
        {
          "Name": "ActiveDirectory.1#Port",
          "Value": 3269
        },
        {
          "Name": "ActiveDirectory.1#NetworkTimeout",
          "Value": 120
        },
        {
          "Name": "ActiveDirectory.1#SearchTimeout",
          "Value": 120
        },
        {
          "Name": "ActiveDirectory.1#CertValidationEnable",
          "Value": false
        },
        {
          "Name": "ActiveDirectory.1#certificateFile",
          "Value": ""
        },
        {
          "Name": "LDAP.1#name",
          "Value": "LDAP Dell"
        },
        {
          "Name": "LDAP.1#serverType",
          "Value": "MANUAL"
        },
        {
          "Name": "LDAP.1#DomainController1",
          "Value": "10.36.0.167"
        },
        {
          "Name": "LDAP.1#Port",
          "Value": 636
        },
        {
          "Name": "LDAP.1#BaseDN",
          "Value": "dc=dell,dc=com"
        },
        {
          "Name": "LDAP.1#NetworkTimeout",
          "Value": 120
        },
        {
          "Name": "LDAP.1#SearchTimeout",
          "Value": 120
        },
        {
          "Name": "LDAP.1#CertValidationEnable",
          "Value": false
        },
        {
          "Name": "LDAP.1#certificateFile",
          "Value": ""
```

```
            }
          ]
        }
      ]
    }
}
```


Example response body


```
{
  "JobId": 38758
}
```


Table 135. Attributes

Attribute	Description
SystemConfiguration	Parent tag that represents system configuration.
Comments	User-defined comments.
Model	Chassis model.
ServiceTag	Chassis Service Tag.
TimeStamp	Time stamp when the configuration is retrieved.
Components	Components for which the configuration is retrieved.
FQDD	A key for each setting.
Attributes	Key-value pairs of attributes.
Name	Attribute name.
Value	Attribute value.

Brand

/api/ApplicationService/Actions/ApplicationService.BrandInfo

This URI represents the brand information.

POST method for BrandInfo

This method returns the brand information.

Description Returns the brand information.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "BrowserTitle": "globalNavigation.consoleBrowserTitle",
  "ConsoleTitle": "globalNavigation.consoleTitle",
  "ConsoleName": "consoleName",
  "MastheadIconPath": "ci ci-chassis-config-core",
  "LoginIconPath": "img/dell_halo_logo_160px.png",
  "Copyright": "copyright",
  "ProductName": "Dell Inc",
  "ProductDescription": "Description about product",
```

```
  "Manufacturer": "ManufacturerName",
  "BrandName": "Dell",
  "ManagementURI": "/management/uri/path",
  "SupportURI": "/support/uri/path",
  "CompanyLogo": "img/Dell_EMC.png",
  "ProductLogo": "img/Dell_EMC.png"
  "Theme": "",
  "LicenseInfo": "info/license.html",
  "OpenSourceLicenseInfo": "info/OpenSourceLicenseInfo.txt"
}
```

/api/ApplicationService/Actions/ApplicationService.ActivateBrand

This URI allows you to change the branding between the default brand or de-branded.

POST method for ActivateBrand

This method activates the default brand or keeps the environment de-branded.

Description	Activate the default brand or keep it de-branded, based on the provided brand type. The following brand types are supported: • DEFAULT • DEBRANDED
Privilege	APPLIANCE_SETUP
HTTP response codes	200
Example request body	`{ "BrandType":"DEBRANDED" } OR { "BrandType":"DEFAULT" }`
Example response body	`{ 200 OK }`

Multichassis management

/api/ManagementDomainService

This method represents the role of the chassis in a Multi-Chassis Management (MCM)domain.

GET method for ManagementDomainService

This method returns the role of the chassis in an MCM domain.

Description	Returns the role of the chassis in an MCM domain.
Privilege	VIEW

HTTP response codes 200

Example response body

```
Output — Standalone chassis:
{
  "@odata.context": "/api/
$metadata#ManagementDomainService.ManagementDomainService",
  "@odata.type": "#ManagementDomainService.ManagementDomainService",
  "@odata.id": "/api/ManagementDomainService",
  "GroupConfiguration": null,
  "Actions": null,
  "Domains@odata.navigationLink": "/api/ManagementDomainService/Domains",
  "PendingDomains@odata.navigationLink": "/api/ManagementDomainService/
PendingDomains",
  "DiscoveredDomains@odata.navigationLink": "/api/ManagementDomainService/
DiscoveredDomains",
  "ConfigurationTypes@odata.navigationLink": "/api/ManagementDomainService/
ConfigurationTypes"
}


Output — Member chassis:
{
    "@odata.context": "/api/
$metadata#ManagementDomainService.ManagementDomainService",
    "@odata.type": "#ManagementDomainService.ManagementDomainService",
    "@odata.id": "/api/ManagementDomainService",
    "GroupConfiguration": null,
    "Actions": null,
    "Domains@odata.navigationLink": "/api/ManagementDomainService/Domains",
    "PendingDomains@odata.navigationLink": "/api/ManagementDomainService/
PendingDomains",
    "DiscoveredDomains@odata.navigationLink": "/api/ManagementDomainService/
DiscoveredDomains",
    "ConfigurationTypes@odata.navigationLink": "/api/ManagementDomainService/
ConfigurationTypes",
    "GetSyncFailureAlertTimeoutValues": {
        "@odata.id": "/api/ManagementDomainService/
GetSyncFailureAlertTimeoutValues"
    }
}


Output — Lead chassis:
{
    "@odata.context": "/api/
$metadata#ManagementDomainService.ManagementDomainService",
    "@odata.type": "#ManagementDomainService.ManagementDomainService",
    "@odata.id": "/api/ManagementDomainService",
    "GroupConfiguration": {
        "GroupId": "28bf881c-f736-440d-b327-2fb0b2d7fd55",
        "DeviceGroupId": 10182,
        "GroupName": "test",
        "GroupDescription": "",
        "JoinApproval": "Manual",
        "ConfigReplication": [
            {
                "ConfigType": "UserAuthentication",
                "Enabled": true
            },
            {
                "ConfigType": "NetworkServices",
                "Enabled": true
            },
            {
                "ConfigType": "AlertDestinations",
                "Enabled": true
            },
            {
```

```
                    "ConfigType": "LocalAccessConfiguration",
                    "Enabled": true
                },
                {
                    "ConfigType": "Power",
                    "Enabled": true
                },
                {
                    "ConfigType": "ProxySettings",
                    "Enabled": true
                },
                {
                    "ConfigType": "TimeSettings",
                    "Enabled": true
                },
                {
                    "ConfigType": "SecuritySettings",
                    "Enabled": true
                },
                {
                    "ConfigType": "SessionConfiguration",
                    "Enabled": true
                }
            ],
            "VirtualIPConfiguration": null,
            "LeadRedundancyStatus": 5000,
            "OpaquePLId": 10,
            "SyncFailureAlertTimeout": 30
        },
        "Actions": null,
        "Domains@odata.navigationLink": "/api/ManagementDomainService/Domains",
        "PendingDomains@odata.navigationLink": "/api/ManagementDomainService/
PendingDomains",
        "DiscoveredDomains@odata.navigationLink": "/api/ManagementDomainService/
DiscoveredDomains",
        "ConfigurationTypes@odata.navigationLink": "/api/ManagementDomainService/
ConfigurationTypes",
        "GetSyncFailureAlertTimeoutValues": {
            "@odata.id": "/api/ManagementDomainService/
GetSyncFailureAlertTimeoutValues"
        }
}
```


Table 136. Attributes

Attribute	Description
GroupId	Unique group ID across different domains.
DeviceGroupId	Group configuration record ID.
GroupName	Name of the group.
GroupDescription	Description of the group.
JoinApproval	Join approval · Automatic: Join requests from a standalone chassis are automatically approved. · Manual: Join requests from a standalone chassis are queued on the lead for administrator's approval. Onboarding of the remote chassis does not get initiated until approved.
ConfigReplication	Configuration that is replicated when a new domain joins this group.
ConfigType	Configuration type.
Enabled	Indicates if the configuration type is propagated to the member domain.

Table 136. Attributes (continued)

Attribute	Description
OpaquePLId	Tracks the lead promotion cycle. The attribute gets incremented by 10 on each promotion.

PUT method for ManagementDomainService

This method creates a Multi-Chassis Management (MCM) domain or updates an existing domain.

Description Creates or updates an MCM domain.

Privilege APPLIANCE_SETUP

HTTP response codes 200

Example request body

Request for creating a group

```
{
    "GroupName": "group name",
    "GroupDescription": "group description",
    "JoinApproval": "Manual/Automatic",
    "ConfigReplication": [
        {
            "ConfigType": "UserAuthentication",
            "Enabled": true
        },
        {
            "ConfigType": "NetworkServices",
            "Enabled": true
        },
        {
            "ConfigType": "AlertDestinations",
            "Enabled": false
        },
        {
            "ConfigType": "LocalAccessConfiguration",
            "Enabled": false
        },
        {
            "ConfigType": "Power",
            "Enabled": false
        },
        {
            "ConfigType": "ProxySettings",
            "Enabled": false
        },
        {
            "ConfigType": "TimeSettings",
            "Enabled": false
        },
        {
            "ConfigType": "SecuritySettings",
            "Enabled": false
        },
        {
            "ConfigType": "SessionConfiguration",
            "Enabled": false
        }
    ],
    "SyncFailureAlertTimeout": 30
}
```

Example response body

Request for creating a group

```
{
  "JobId": 36183,
```

```
  "Status": "Success"
}
```

Example request body

Request for editing a group

```
{
       "GroupId": "91e0b654-9de4-4a62-b5b1-c0da11d81b70",  --Mandatory
  "DeviceGroupId": 31436, --Optional
  "GroupName": "Example-Group", -Mandatory
  "GroupDescription": "Example-Group",  Optional
  "JoinApproval": "Automatic",  -Mandatory
  "ConfigReplication":
  [
    {
      "ConfigType": "Power",
      "Enabled": false
    },
    {
      "ConfigType": "UserAuthentication",
      "Enabled": true
    },
    {
      "ConfigType": "AlertDestinations",
      "Enabled": false
    },
    {
      "ConfigType": "TimeSettings",
      "Enabled": false
    },
    {
      "ConfigType": "ProxySettings",
      "Enabled": false
    },
    {
      "ConfigType": "SecuritySettings",
      "Enabled": false
    },
    {
      "ConfigType": "NetworkServices",
      "Enabled": false
    },
    {
      "ConfigType": "LocalAccessConfiguration",
      "Enabled": false
    }
  ]
}
```

Example response body

Request for editing a group

```
{
  "JobId": 36181,
  "Status": "SUCCESS"
}
```

Example request body

Request for configuring static IPv4 on the lead chassis

```
{
        "GroupName": "256",
        "GroupDescription": "",
        "JoinApproval": "Manual",
        "ConfigReplication": [
            {
                "ConfigType": "UserAuthentication",
                "Enabled": false
            },
            {
                "ConfigType": "NetworkServices",
                "Enabled": false
```

```
            },
            {
                "ConfigType": "AlertDestinations",
                "Enabled": false
            },
            {
                "ConfigType": "LocalAccessConfiguration",
                "Enabled": false
            },
            {
                "ConfigType": "Power",
                "Enabled": false
            },
            {
                "ConfigType": "ProxySettings",
                "Enabled": false
            },
            {
                "ConfigType": "TimeSettings",
                "Enabled": false
            },
            {
                "ConfigType": "SecuritySettings",
                "Enabled": false
            }
        ],
        "VirtualIPConfiguration": {
            "IPv4": {
                        "StaticIPv4Address":"10.35.155.155",
                        "SubnetMask":"255.255.255.32",
                        "Gateway":"10.35.2.1"
            }
        }
}
```

Example response body

Request for configuring static IPv4 on the lead chassis

```
{
        "GroupId": "4964",
        "Status": "Success"
}
```

NOTE: You can use the API, `/api/JobService/Jobs(JobId)` for polling the job status.

Table 137. Attributes

Attribute	Description
GroupId	Unique group ID across different domains.
GroupName	Name of the group.
GroupDescription	Description of the group.
JoinApproval	Join approval · Automatic: Join requests from a stand-alone chassis are automatically approved. · Manual: Join requests from a stand-alone chassis are queued on the lead for approval of the administrator. Onboarding of the remote chassis does not get initiated until approved.
ConfigReplication	Configuration that is replicated when a new domain joins this group.
ConfigType	Configuration type.
Enabled	Indicates if the configuration type is propagated to the member domain.

Table 137. Attributes (continued)

Attribute	Description
DeviceGroupId	The ID of the device group associated with the management domain.
VirtualIPConfiguration	The virtual IP that must be configured on the lead chassis.
IPv4	Details of the virtual IPv4 address.
StaticIPv4Address	Static IPv4 that must be configured for the lead chassis.
SubnetMask	Subnet mask that must be configured for the lead chassis.
Gateway	Gateway that must be configured for the lead chassis.
SyncFailureAlertTimeout	The supported alert timeout values for creating and editing a group are—5, 10, 15, 30, 60.

/api/ManagementDomainService/DiscoveredDomains

This URI represents the chassis domains available on the wired chassis network.

GET method for DiscoveredDomains

This method returns a list of chassis domains available on the wired chassis network.

Description Returns the list of available chassis domains. Each chassis domain returned identifies its role in a MCM domain group, if applicable.

Privilege VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "/api/
$metadata#Collection(ManagementDomainService.DiscoveredDomain)",
  "@odata.count": 3,
  "value":
  [
    {
      "@odata.type": "#ManagementDomainService.DiscoveredDomain",
      "GroupId": "053ca12c-e181-4502-b4b5-7f5090bbf08c",
      "GroupName": "null",
      "GroupDescription": "",
      "PublicAddress":
      [
        "10.35.0.191",
        "fd76:6c:61:6e36:9d41:a14f:c77f:97d6"
      ],
      "Name": "MX-SKY000S",
      "Description": "POWEREDGE MX7000",
      "Identifier": "SKY000S",
      "DomainTypeId": 4000,
      "DomainTypeValue": "OME-Modular",
      "DomainRoleTypeId": 3002,
      "DomainRoleTypeValue": "STANDALONE",
      "Version": "1"
    },
    {
      "@odata.type": "#ManagementDomainService.DiscoveredDomain",
      "GroupId": "8e5c5534-8435-47f9-bf79-65498caf7b54",
      "GroupName": "Example-GroupName",
      "GroupDescription": "Example-GroupDescription",
      "PublicAddress":
      [
        "10.35.155.91"
```

```
      ],
      "Name": "MX-UTSKY88",
      "Description": "POWEREDGE MX7000",
      "Identifier": "UTSKY88",
      "DomainTypeId": 4000,
      "DomainTypeValue": "OME-Modular",
      "DomainRoleTypeId": 3001,
      "DomainRoleTypeValue": "MEMBER",
      "Version": "1"
    },
    {
      "@odata.type": "#ManagementDomainService.DiscoveredDomain",
      "GroupId": "ed031327-889a-466f-931e-e603a1da6255",
      "GroupName": "Example-GroupName",
      "GroupDescription": "Example-GroupDescription",
      "PublicAddress":
      [
        "10.36.0.227"
      ],
      "Name": "MX-01UTCOME-Modular",
      "Description": "POWEREDGE MX7000",
      "Identifier": "01UTCOME-Modular",
      "DomainTypeId": 4000,
      "DomainTypeValue": "OME-Modular",
      "DomainRoleTypeId": 3000,
      "DomainRoleTypeValue": "LEAD",
      "Version": "1"
    }
  ]
}
```


Table 138. Attributes

Attribute	Description
GroupId	Unique identifier of the group across different domains.
GroupName	Group name for the MCM domain group.
GroupDescription	Description of the group.
Address	IP address of the domain.
Name	Name of the chassis.
Description	Description.
Identifier	Service Tag of the chassis.
DomainTypeId	Information for internal programmatic use.
DomainTypeValue	Information for internal programmatic use.
DomainRoleTypeId	ID of the domain role. Possible value: · 3000 — LEAD · 3001 — MEMBER · 3002 — STANDALONE
DomainRoleTypeValue	Type of domain role. Possible values: · LEAD · MEMBER · STANDALONE
Version	Version of OME–Modular.

/api/ManagementDomainService/ConfigurationTypes

This URI represents the configuration types supported on the management domain service.

GET method for ConfigurationTypes

This method returns the collection of configuration types supported on the management domain service. When creating a group, select from these configuration types.

Description	Returns the collection of supported configuration types.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/api/
$metadata#Collection(ManagementDomainService.ConfigurationType)",
"@odata.count": 9,
"value":[
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(1)",
"Id": 1,
"Name": "UserAuthentication",
"Description": "User Authentication"
},
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(2)",
"Id": 2,
"Name": "NetworkServices",
"Description": "Network Services"
},
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(3)",
"Id": 3,
"Name": "AlertDestinations",
"Description": "Alert Destinations"
},
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(4)",
"Id": 4,
"Name": "LocalAccessConfiguration",
"Description": "Local Access configuration"
},
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(5)",
"Id": 5,
"Name": "Power",
"Description": "Power"
},
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(6)",
"Id": 6,
"Name": "ProxySettings",
"Description": "Proxy Settings"
},
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(7)",
"Id": 7,
"Name": "TimeSettings",
"Description": "Time Settings"
},
```

```
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(8)",
"Id": 8,
"Name": "SecuritySettings",
"Description": "Security Settings"
},
{
"@odata.type": "#ManagementDomainService.ConfigurationType",
"@odata.id": "/api/ManagementDomainService/ConfigurationTypes(9)",
"Id": 9,
"Name": "SessionConfiguration",
"Description": "Session Configuration"
}
]
}
```


Table 139. Attributes

Attribute	Description
Id	ID of the configuration.
Name	Name of the configuration.
Description	Description of the configuration.

/api/ManagementDomainService/ConfigurationTypes(Id)

This URI represents a specific configuration type supported on the management domain service.

GET method for ConfigurationTypes(Id)

This method returns the details of a specific configuration type supported on the domain service.

Description	Returns the details of a specific configuration type.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#ManagementDomainService.ConfigurationType/
$entity",
  "@odata.id": "/api/ManagementDomainService/ConfigurationTypes(1)",
  "Id": 1,
  "Name": "Power",
  "Description": "Power"
}
```


Table 140. Attributes

Attribute	Description
Id	ID of the configuration.
Name	Name of the configuration.
Description	Description of the configuration.

/api/ManagementDomainService/Domains

This URI represents the roles of the domains, details of the compatibility between the backup and lead chassis, and health of the configuration data synchronization.

GET method for Domains

This method returns the role of this chassis domain, details of the backup-lead chassis compatibility, and health of the data synchronization.

The chassis domain role is as follows:

- Chassis domain part of MCM group—LEAD or MEMBER
- Chassis domain not part of an MCM group—STANDALONE

If you run this API on the LEAD, one domain representing each MEMBER in the group and one domain representing the LEAD is returned. For example, a group with 10 chassis (1 Lead and 9 members) returns information for 10 domains.

If you run this API on a MEMBER, one domain representing the MEMBER (itself) and one domain representing the LEAD, and another representing the BACKUP is returned.

If you run this API on a BACKUP, one domain representing the BACKUP (itself) and one domain representing LEAD is returned.

Description

Returns the role of this chassis domain.

- Part of MCM—LEAD or MEMBER
- Not part of MCM—STANDALONE

Privilege

VIEW

HTTP response codes

200

Example request body

```
N/A
```

Example response body

```
Output – Lead chassis:
{
    "@odata.context": "/api/
$metadata#Collection(ManagementDomainService.Domain)",
    "@odata.count": 3,
    "value": [
        {
            "@odata.type": "#ManagementDomainService.Domain",
            "@odata.id": "/api/ManagementDomainService/Domains(10071)",
            "Id": 10071,
            "DeviceId": 10054,
            "PublicAddress": [
                "100.69.115.203"
            ],
            "Name": "MX-C4WM1S2",
            "Description": "PowerEdge MX7000",
            "Identifier": "C4WM1S2",
            "DomainTypeId": 4000,
            "DomainTypeValue": "MSM",
            "DomainRoleTypeId": 3000,
            "DomainRoleTypeValue": "LEAD",
            "Version": "1.20.00",
            "Local": true,
            "GroupId": "28bf881c-f736-440d-b327-2fb0b2d7fd55",
            "GroupName": "test",
            "BackupLead": false,
            "Capabilities": [],
            "BackupLeadHealth": 2000
        },
        {
            "@odata.type": "#ManagementDomainService.Domain",
            "@odata.id": "/api/ManagementDomainService/Domains(10238)",
            "Id": 10238,
            "DeviceId": 10240,
```

```
            "PublicAddress": [
                "100.69.115.194"
            ],
            "Name": "MX-C4XF1S2",
            "Description": "PowerEdge MX7000",
            "Identifier": "C4XF1S2",
            "DomainTypeId": 4000,
            "DomainTypeValue": "MSM",
            "DomainRoleTypeId": 3001,
            "DomainRoleTypeValue": "MEMBER",
            "Version": "1.20.00",
            "Local": false,
            "GroupId": "28bf881c-f736-440d-b327-2fb0b2d7fd55",
            "GroupName": "test",
            "BackupLead": false,
            "Capabilities": [
                "LEADBACKUPCOMPATIBLE"
            ],
            "BackupLeadHealth": 2000
        },
        {
            "@odata.type": "#ManagementDomainService.Domain",
            "@odata.id": "/api/ManagementDomainService/Domains(10236)",
            "Id": 10236,
            "DeviceId": 10195,
            "PublicAddress": [
                "100.69.115.193"
            ],
            "Name": "MX-75HK1S2",
            "Description": "PowerEdge MX7000",
            "Identifier": "75HK1S2",
            "DomainTypeId": 4000,
            "DomainTypeValue": "MSM",
            "DomainRoleTypeId": 3001,
            "DomainRoleTypeValue": "MEMBER",
            "Version": "1.20.00",
            "Local": false,
            "GroupId": "28bf881c-f736-440d-b327-2fb0b2d7fd55",
            "GroupName": "test",
            "BackupLead": false,
            "Capabilities": [
                "LEADBACKUPCOMPATIBLE"
            ],
            "BackupLeadHealth": 2000
        }
    ]
}


Output — Member chassis:

{
    "@odata.context": "/api/
$metadata#Collection(ManagementDomainService.Domain)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#ManagementDomainService.Domain",
            "@odata.id": "/api/ManagementDomainService/Domains(10068)",
            "Id": 10068,
            "DeviceId": 10052,
            "PublicAddress": [
                "100.69.115.194"
            ],
            "Name": "MX-C4XF1S2",
            "Description": "PowerEdge MX7000",
            "Identifier": "C4XF1S2",
            "DomainTypeId": 4000,
            "DomainTypeValue": "MSM",
            "DomainRoleTypeId": 3001,
            "DomainRoleTypeValue": "MEMBER",
            "Version": "1.20.00",
```

```
            "Local": true,
            "GroupId": "28bf881c-f736-440d-b327-2fb0b2d7fd55",
            "GroupName": "test",
            "BackupLead": false,
            "Capabilities": [
                "LEADBACKUPCOMPATIBLE"
            ],
            "BackupLeadHealth": 2000
        },
        {
            "@odata.type": "#ManagementDomainService.Domain",
            "@odata.id": "/api/ManagementDomainService/Domains(10231)",
            "Id": 10231,
            "DeviceId": 0,
            "PublicAddress": [
                "100.69.115.203"
            ],
            "Name": "MX-C4WM1S2",
            "Description": "PowerEdge MX7000",
            "Identifier": "C4WM1S2",
            "DomainTypeId": 4000,
            "DomainTypeValue": "MSM",
            "DomainRoleTypeId": 3000,
            "DomainRoleTypeValue": "LEAD",
            "Version": "1.20.00",
            "Local": false,
            "GroupId": "28bf881c-f736-440d-b327-2fb0b2d7fd55",
            "GroupName": "test",
            "BackupLead": false,
            "Capabilities": [],
            "BackupLeadHealth": 2000
        }
    ]
}
```


Table 141. Attributes

Attribute	Description
Id	Record ID.
DeviceId	Device ID.
Address	IP address.
Name	Name of the chassis.
Description	Description of the chassis.
Identifier	Service Tag of the chassis.
DomainTypeId	Information for internal programmatic use.
DomainTypeValue	Information for internal programmatic use.
DomainRoleTypeId	ID of the domain role. Possible value: · 3000—LEAD · 3001—MEMBER · 3002—STANDALONE
DomainRoleTypeValue	Type of domain role. Possible values: · LEAD · MEMBER · STANDALONE
Version	Version of OME–Modular.

Table 141. Attributes (continued)

Attribute	Description
Local	• TRUE—Indicates that this domain is the local domain where the API is run. • FALSE—Indicates that this domain is the remote domain where the API is run.
GroupId	Unique identifier of the group across different domains.
GroupName	Group name for the MCM domain group.
BackupLead	Indicates if the domain is a backup lead.
Capabilities	Indicates the capabilities of the domain.
LEADBACKUPCOMPATIBLE	Indicates if the domain is backup lead eligible.
BackupHealth	Indicates the health of lead data replication on the backup chassis and if the backup data is current or stale when compared to the lead data. The backup health is applicable only to backup lead domain the API, `/api/ManagementDomainService/Domains`. In the other domains, the backup lead is displayed as "2000" or unknown. The backup health for backup lead chassis is displayed as "2000" or unknown when the API is run on a member chassis.

/api/ManagementDomainService/Domains(Id)

This URI represents the role of a specific chassis domain.

GET method for Domains(Id)

This method returns the role of a specific chassis domain.

The chassis domain role is as follows:

- Chassis domain part of MCM group — LEAD or MEMBER
- Chassis domain not part of a MCM group — STANDALONE

Description Returns the role of a specific chassis domain.

- Part of MCM — LEAD or MEMBER
- Not part of MCM — STANDALONE

Privilege VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#ManagementDomainService.Domain/$entity",
  "@odata.id": "/api/ManagementDomainService/Domains(2714)",
  "Id": 2714,
  "DeviceId": 2664,
  "Address": "fde1:53ba:e9a0:de14:1a66:daff:fe76:4ebc",
  "Name": "cmc-LEAD123",
  "Description": "Chassis-LEAD123",
  "Identifier": "LEAD123",
  "DomainTypeId": 4000,
  "DomainTypeValue": "OME-Modular",
  "DomainRoleTypeId": 3000,
  "DomainRoleTypeValue": "LEAD",
  "Version": "VERSION",
  "Port": "443",
```

```
  "Local": true,
  "GroupId": "4e361023-07cc-4b98-af3f-ba7c2ef2f5b9",
  "GroupName": "DDD"
}
```

Table 142. Attributes

Attribute	Description
Id	Record ID.
DeviceId	Device ID.
Address	IP address.
Name	Name of the chassis.
Description	Description of the chassis.
Identifier	Service Tag of the chassis.
DomainTypeId	Information for internal programmatic use.
DomainTypeValue	Information for internal programmatic use.
DomainRoleTypeId	ID of the domain role. Possible value: · 3000 — LEAD · 3001 — MEMBER · 3002 — STANDALONE
DomainRoleTypeValue	Type of domain role. Possible values: · LEAD · MEMBER · STANDALONE
Version	Version of OME–Modular.
Local	· TRUE — Indicates that this domain is the local domain where the API is executed. · FALSE — Indicates that this domain is the remote domain where the API is executed.
GroupId	Unique identifier of the group across different domains.
GroupName	Group name for the MCM domain group.

/api/ManagementDomainService/PendingDomains

This URI represents the pending domain-related requests.

GET method for PendingDomains

This method returns a list of pending requests that are made for joining an MCM domain group.

Description	Returns a list of pending requests that are made for joining an MCM domain group.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/
$metadata#Collection(ManagementDomainService.PendingDomain)",
```

```
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.type": "#ManagementDomainService.PendingDomain",
      "@odata.id": "/api/ManagementDomainService/PendingDomains(36197)",
      "Id": 36197,
      "JobId": 36196,
      "State": 1001,
      "PublicAddress":
      [
        "10.35.224.67"
      ],
      "Name": "MX-MCM1",
      "Description": "POWEREDGE MX7000",
      "Identifier": "MCM1",
      "DomainType": "OME-Modular",
      "Version": "1.00.10"
    }
  ]
}
```


Table 143. Attributes

Attribute	Description
Id	Record ID.
JobId	Job ID created for the operation.
State	Internal state of the request. Possible values: • 1001 - Join approval is pending with the lead domain. • 1002 - Join request is approved by the lead. • 1004 - Onboarding is in progress. • 1006 - Request is initiated to delete the member domain. • 1007 - Request is in progress to delete the member domain. • 1012 - Request to join group is initiated from the stand-alone chassis. • 1013 - This onboard state is displayed only on stand-alone chassis when the lead approves the pending join request and initiates the onboarding.
Address	IP address of the onboarding chassis.
Name	Name of the onboarding chassis.
Description	Description of the onboarding chassis.
Identifier	Service tag of the onboarding chassis.
Domain type	Information for internal programmatic use.
Version	Version of OME–Modular of the onboarding chassis.

/api/ManagementDomainService/PendingDomains(Id)

This URI represents a specific pending domain-related requests in the collection of pending requests.

GET method for PendingDomains(Id)

This method returns a specific pending request that is made for joining an MCM domain group.

Description	Returns a specific pending request for joining an MCM domain group.
Privilege	VIEW

HTTP response codes 200

Example response body

```
{
  "@odata.context": "$metadata#ManagementDomainService.PendingDomain/
$entity",
  "@odata.id": "/api/ManagementDomainService/PendingDomains(15964)",
  "Id": 15964,
  "JobId": 0,
  "State": 1001,
  "Address": "fde1:53ba:e9a0:de14:1a66:daff:fe76:4de5",
  "Name": "cmc-MEM123",
  "Description": "Chassis-MEM123",
  "Identifier": "MEM123",
  "DomainType": "OME-Modular",
  "Version": "VERSION",
}
```

Table 144. Attributes

Attribute	Description
Id	Record ID.
JobId	Job ID created for the operation.
State	Internal state of the request. Possible values: • 1001 - Join approval is pending with the lead domain. • 1002 - Join request is approved by the lead. • 1004 - Onboarding is in progress. • 1006 - Request is initiated to delete the member domain. • 1007 - Request is in progress to delete the member domain. • 1012 - Request to join group is initiated from the stand-alone chassis. • 1013 - This onboard state is displayed only on stand-alone chassis when the lead approves the pending join request and initiates the onboarding.
Address	IP address of the onboarding chassis.
Name	Name of the onboarding chassis.
Description	Description of the onboarding chassis.
Identifier	Service tag of the onboarding chassis.
Domain type	Information for internal programmatic use.
Version	Version of OME–Modular of the onboarding chassis.

/api/ManagementDomainService/Actions/ManagementDomainService.Domains

POST method for ManagementDomainService.Domains

This method adds a chassis domain to the MCM domain group.

This API is applicable only to a LEAD domain. If you run this API on other types of domains, the HTTP response 400 is returned.

Description Adds a chassis domain to the MCM domain group.

Privilege	APPLIANCE_SETUP
HTTP response codes	200
Example	To get the GroupID of the domain, use the `/ManagementDomainService/DiscoveredDomains` API.

```
Adding one domain to an MCM group

[
  {
    "GroupId": "3ec57902-d92f-4cf3-a9af-1587c300bb21"
  }
]
```

Example response body

```
Adding one domain to an MCM group
{
  "JobId": 14714,
  "Status": "APPROVED"
}
```

Example request body

```
Adding multiple domains to an MCM group
[
      {
            "GroupId": "be062037-30a5-4a8e-ae39-ee3bff4a8a29"
      }
]
[
  {
            "GroupId": "91e0b654-9de4-4a62-b5b1-c0da11d81b70"
      }
]
```

Example response body

```
Adding multiple domains to an MCM group
{
  "JobId": 36128,
  "Status": "APPROVED"
}
```

Table 145. Attributes

Attribute	Description
JobId	Job ID created for the operation.
Status	Status of the operation. **NOTE: The Status is always displayed as `APPROVED`. To track the status of the job, use the JobID.**

/api/ManagementDomainService/Actions/ManagementDomainService.Join

POST method for ManagementDomainService.Join

This method allows a standalone chassis (OME–Modular) to join an MCM domain group.

Description	Allows a standalone chassis (OME–Modular) to join an MCM domain group.
Privilege	APPLIANCE_SETUP

HTTP response codes	200

Example request body

```
{
  "GroupId": "671497bc-9d61-4067-afcd-48f9df5e8dd2"
}
```

Example response body

```
{
  "JobId": 12764,
  "Status": "PENDING"
}
```

Table 146. Attributes

Attribute	Description
GroupId	Group ID of the lead domain.
JobId	Job ID for tracking the status of the join operation.
Status	Status of the join request.

/api/ManagementDomainService/Actions/ManagementDomainService.Leave

POST method for ManagementDomainService.Leave

This method enables a member chassis domain to leave an MCM domain group.

This API is applicable only to member chassis domains.

Description	Enables a member chassis domain to leave an MCM domain group.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example response body

```
{
  "JobId": 13664,
  "Status": "SUCCESS"
}
```

Table 147. Attributes

Attribute	Description
JobId	Job ID created for the operation.
Status	Status of the operation. **NOTE: The Status is always displayed as SUCCESS. To track the status, use the JobId.**

/api/ManagementDomainService/Actions/ManagementDomainService.Delete

POST method for ManagementDomainService.Delete

This method removes a specific member chassis domain from an MCM domain group.

This API is applicable only to LEAD domains.

Description	Removes a member chassis domain from an MCM domain group.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example request body

```
[
  {
          "Id": 123, //Id from /api/ManagementDomainService/Domains
        }
]
```

Example response body

```
{
  "JobId": 36126,
  "Status": "SUCCESS"
}
```

Table 148. Attributes

Attribute	Description
JobId	Job ID created for the operation.
Status	Status of the operation. **NOTE: The Status is always displayed as SUCCESS. To track the status, use the JobId.**

/api/ManagementDomainService/Actions/ManagementDomainService.DeleteGroup

POST method for ManagementDomainService.DeleteGroup

This method deletes an MCM domain group.

Description	Deletes an MCM domain group.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example request body

```
{
  "GroupId": "671497bc-9d61-4067-afcd-48f9df5e8dd2"
}
```

Example response body

```
{
  "JobId": 13514,
  "Status": "SUCCESS"
}
```

Table 149. Attributes

Attribute	Description
GroupId	Group ID of the lead domain.
JobId	Job ID for the delete operation. **NOTE: Use the Job API to poll the status of the delete JobId. After the job is complete, all the chassis domains in the group transition to *STANDALONE* type.**
Status	Status of the delete operation. Possible values: • SUCCESS • FAILED After the job is successful, use the JobId to poll the delete group status. If the job fails, retry the job.

/api/ManagementDomainService/GetSyncFailureAlertTimeoutValues

This URI represents the possible failure alert timeout values, in minutes, to configure threshold on lead for backup sync.

GET method for failure alert timeout values for configuring threshold on lead chassis

This method gets the possible failure alert timeout values, in minutes, for configuring threshold on the lead chassis.

Description Returns the failure alert timeout values for configuring threshold on the lead chassis

Privilege VIEW

HTTP response codes 200

Example response body

```
{
    "@odata.context": "/api/
$metadata#ManagementDomainService.SyncFailureAlertTimeoutValues",
    "@odata.type": "#ManagementDomainService.SyncFailureAlertTimeoutValues",
    "@odata.id": "/api/ManagementDomainService/
GetSyncFailureAlertTimeoutValues",
    "TimeoutValues": [
        5,
        10,
        15,
        30,
        60
    ]
}
```

/api/ManagementDomainService/Actions/ManagementDomainService.ApproveJoin

POST method for ManagementDomainService.ApproveJoin

If the group is created with manual onboarding policy, this method enables the lead domain administrator to approve or reject pending requests that are made for joining a MCM domain group.

Description Approves or rejects pending requests for joining a MCM domain group.

Privilege APPLIANCE_SETUP

HTTP response codes 200

Example request body

```
Approving or rejecting one pending request
Input:
[
  {
    "Id": 15964,
    "Approval":true
  }
]
```

Example response body

```
Approving or rejecting one pending request
{
  "Status": "SUCCESS"
}
```

Example request body

```
Approving or rejecting multiple pending requests
[
     {
          "Id": 36197,
          "Approval": true
     },
     {
          "Id": 36198,
          "Approval": false
     }
]
```

Example response body

```
Approving or rejecting multiple pending requests
{
  "Status": "SUCCESS"
}
```

Table 150. Attributes

Attribute name	Description
Id	ID of the pending domain that requested to join the group.
Approval	Indicates if the request is approved or rejected. Possible values: • true: Approved • false: Rejected
Status	Status of the operation.

/api/ManagementDomainService/Actions/ManagementDomainService.AssignBackupLead

This API assigns a member chassis as the backup lead and displays an error if a backup exists.

POST method for assigning backup lead

This method assigns a member chassis in the chassis group as the backup lead.

Description	Assigns a member chassis as the backup lead.
Privilege	APPLIANCE_SETUP
HTTP Response Code	200
Example request body	`[{ "Id":25706 }]`
Example response body	`{ "JobId": 25857 }`

Table 151. Attributes

Attribute	Description
Id	Member chassis identifier on the lead.
JobId	Job ID for tracking the status of unassigning the backup lead. **NOTE: Use the API, `/api/JobService/Jobs(JobId)` to poll the status of the assign JobId.**

/api/ManagementDomainService/Actions/ManagementDomainService.ReassignBackupLead

This URI unassigns the existing backup lead in the chassis group and assigns a member in the group as the new backup lead.

POST method for reassigning backup lead

This API unassigns the existing backup lead and assigns another member in the chassis group, as the backup lead.

Description	Unassigns the existing backup lead in the group and assigns another member in the chassis group as the backup lead.
Privilege	APPLIANCE_SETUP
HTTP Response Code	200
Example request body	`[{ "Id":25706 }]`
Example response body	`{ "JobId": 25857 }`

Table 152. Attributes

Attribute	Description
Id	Member chassis identifier on the lead.
JobId	Job ID for the tracking the status of unassigning the backup lead. **NOTE: You can use the API, `/api/JobService/Jobs(JobId)` to poll the job status.**

/api/ManagementDomainService/Actions/ManagementDomainService.UnassignBackupLead

This URI unassigns the backup lead.

POST method for unassigning backup lead

This method unassigns the backup lead in the chassis group.

Description	Unassigns the backup lead.
Privilege	APPLIANCE_SETUP
HTTP Response Code	200

Example request body

```
[{
        "Id":25706
}]
```

Example response body

```
{
    "JobId": 25857
}
```

Table 153. Attributes

Attribute	Description
Id	Member chassis identifier on the lead.
JobId	Job ID for tracking the status of the task of unassigning the backup lead.

/api/ManagementDomainService/Actions/ManagementDomainService.PromoteBackupLead

This URI promotes the backup lead chassis as the lead chassis of the group. If the current lead is active when you run this API, a message is displayed prompting you to perform the retire process.

POST method for promoting backup lead

This method promotes the backup lead as the lead chassis of the chassis group.

Description	Promotes the backup lead as the lead chassis of the chassis group.
Privilege	APPLIANCE_SETUP
HTTP Response Code	200

Example request body

```
{
    "RollbackOnRecoverableError" : true,
    "PurgeLeadReferences" : false
}
```

Example response body

```
{
    "JobId": 25857
}
```

Table 154. Attributes

Attribute	Description
RollbackOnRecoverableError	If this flag is passed as true, rollback is performed during promote failure and in a recoverable situation.
PurgeLeadReferences	If this flag is passed as true, all old lead references are purged on new lead during the promote process.
JobId	Job ID for tracking the status of the unassign backup lead operation. **NOTE: You can use the API, `/api/JobService/Jobs(JobId)` to poll the job status.**

/api/ManagementDomainService/Actions/ManagementDomainService.RetireLead

This URI retires the lead chassis and makes it a stand-alone chassis or a member of the chassis group.

POST method for retiring lead chassis

This method retires the lead chassis and makes it a stand-alone chassis or a member of the chassis group. The backup lead is promoted as the lead chassis.

Description Retires the lead chassis.

Privilege APPLIANCE_SETUP

HTTP response code 200

Example request body

```
{
        "BackupChassisId": 21304
"PostRetirementRoleType": Standalone
}
```

Example response body

```
{
    "JobId": 25857
}
```

Table 155. Attributes

Attribute	Description
BackupChassisId	Domain ID of the backup chassis on the lead.

Table 155. Attributes (continued)

Attribute	Description
PostRetirementRoleType	Input from the user on the type of role for the lead chassis to be retired. The options available are: • Standalone • Member
JobID	ID of the job for tracking the status of the "Retire Lead" task.

FIPS mode settings

/api/ApplicationService/Security/SecurityConfiguration

This URI represents the security configuration.

GET method for SecurityConfiguration

This method returns the security configuration.

Description	Returns the security configuration.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#ApplicationService.FIPSModeConfiguration/
$entity",
  "@odata.type": "#ApplicationService.FIPSModeConfiguration",
  "@odata.id": "/api/ApplicationService/Security/SecurityConfiguration",
  "FipsMode": "OFF"
}
```

Fabric management

/api/NetworkService

This URI represents the network services.

GET method for NetworkService

This method returns the details of the network services.

Description	Returns the details of the network services.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#NetworkService.NetworkService",
  "@odata.type": "#NetworkService.NetworkService",
  "@odata.id": "/api/NetworkService",
```

```
  "Actions": null,
  "Fabrics@odata.navigationLink": "/api/NetworkService/Fabrics",
  "FabricDesigns@odata.navigationLink": "/api/NetworkService/FabricDesigns",
  "MultiChassisDomain":
    {
      "@odata.id": "/api/NetworkService/MultiChassisDomain"
    },
  "UplinkTypes@odata.navigationLink": "/api/NetworkService/UplinkTypes",
  "NodeTypes@odata.navigationLink": "/api/NetworkService/NodeTypes",
  "FabricHealthStatuses@odata.navigationLink": "/api/NetworkService/
FabricHealthStatuses",
  "FabricActivityTypes@odata.navigationLink": "/api/NetworkService/
FabricActivityTypes",
  "FabricActivityStatuses@odata.navigationLink": "/api/NetworkService/
FabricActivityStatuses",
  "PortRoles@odata.navigationLink": "/api/NetworkService/PortRoles",
  "PortBlinkStatuses@odata.navigationLink": "/api/NetworkService/
PortBlinkStatuses",
  "PortAdminStatuses@odata.navigationLink": "/api/NetworkService/
PortAdminStatuses",
  "PortStatuses@odata.navigationLink": "/api/NetworkService/PortStatuses"
}
```

/api/NetworkService/Fabrics

This URI represents the fabrics.

GET method for Fabrics

This method returns a list of the fabrics.

Description	Returns a list of fabrics.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "/api/$metadata#Collection(NetworkService.Fabric)",
    "@odata.count": 1,
    "value": [
        {
            "@odata.type": "#NetworkService.Fabric",
            "@odata.id": "/api/NetworkService/Fabrics('9c7b2839-abe4-40bc-
adf9-c53e747516a5')",
            "Id": "9c7b2839-abe4-40bc-adf9-c53e747516a5",
            "Name": "TEst",
            "Description": "",
            "OverrideLLDPConfiguration": "Disabled",
            "ScaleVLANProfile": "Disabled",
            "Summary": {
                "NodeCount": 2,
                "ServerCount": 2,
                "UplinkCount": 0
            },
            "LifeCycleStatus": [
                {
                    "Activity": "Upgrade",
                    "Status": "2060"
                },
                {
                    "Activity": "Create",
                    "Status": "2060"
                }
            ],
            "Health": {
```

```
                "Status": "4000",
                "Issues": [
                    {
                        "MessageId": "NFAB0017",
                        "Message": "The SmartFabric is not healthy because
all InterSwitch Links are not connected.",
                        "MessageArgs": [],
                        "Severity": "Warning",
                        "Resolution": "Make sure that the VLTi cables for
all ISLs are connected and operational as per the selected fabric design.",
                        "Category": "Audit",
                        "DetailedDescription": "The SmartFabric is not
healthy because one or more VLTi links are not connected.",
                        "TimeStamp": "2020-04-20T07:30:12Z"
                    },
                    {
                        "MessageId": "NFAB0018",
                        "Message": "The SmartFabric is not healthy because
atleast one uplink must be configured.",
                        "MessageArgs": [],
                        "Severity": "Warning",
                        "Resolution": "Make sure at least one uplink is
configured for the SmartFabric.",
                        "Category": "Audit",
                        "DetailedDescription": "The SmartFabric is not
healthy because at least one uplink must be configured.",
                        "TimeStamp": "2020-04-20T07:30:12Z"
                    }
                ]
            },
            "FabricDesignMapping": [
                {
                    "DesignNode": "Switch-A",
                    "PhysicalNode": "8178PK2"
                },
                {
                    "DesignNode": "Switch-B",
                    "PhysicalNode": "4178PK2"
                }
            ],
            "Actions": null,
            "Switches@odata.navigationLink": "/api/NetworkService/
Fabrics('9c7b2839-abe4-40bc-adf9-c53e747516a5')/Switches",
            "Servers@odata.navigationLink": "/api/NetworkService/
Fabrics('9c7b2839-abe4-40bc-adf9-c53e747516a5')/Servers",
            "FabricDesign": {
                "@odata.id": "/api/NetworkService/Fabrics('9c7b2839-
abe4-40bc-adf9-c53e747516a5')/FabricDesign"
            },
            "ValidationErrors@odata.navigationLink": "/api/NetworkService/
Fabrics('9c7b2839-abe4-40bc-adf9-c53e747516a5')/ValidationErrors",
            "Uplinks@odata.navigationLink": "/api/NetworkService/
Fabrics('9c7b2839-abe4-40bc-adf9-c53e747516a5')/Uplinks",
            "Topology": {
                "@odata.id": "/api/NetworkService/Fabrics('9c7b2839-
abe4-40bc-adf9-c53e747516a5')/Topology"
            },
            "ISLLinks@odata.navigationLink": "/api/NetworkService/
Fabrics('9c7b2839-abe4-40bc-adf9-c53e747516a5')/ISLLinks"
        }
    ]
}
```


POST method for Fabrics

This method creates a fabric and returns the fabric ID.

Description	Creates a fabric.
Privilege	FABRIC_MANAGEMENT

HTTP response codes 200

Example request body

```
{
    "Name": "Fabric 1",
    "Description": "update 01",
    "OverrideLLDPConfiguration": "Disabled",
    "ScaleVLANProfile": "Enabled",
    "FabricDesignMapping": [
        {
            "DesignNode": "Switch-A",
            "PhysicalNode": "CBJXLN2"
        },
        {
            "DesignNode": "Switch-B",
            "PhysicalNode": "F13RPK2"
        }
    ],
    "FabricDesign": {
        "Name": "2xMX9116n_Fabric_Switching_Engines_in_different_chassis"
    }
}
```

Example for creating fabric

Example response body

```
{
   {
    "Name": "Fabric11",
    "Description": "Fabric11",
    "OverrideLLDPConfiguration": "Enabled",
    "ScaleVLANProfile": "Enabled/Disabled",
    "FabricDesignMapping": [
        {
            "DesignNode": "Switch-A",
            "PhysicalNode": "CJ2J4Z2"
        },
        {
            "DesignNode": "Switch-B",
            "PhysicalNode": "CJ2J8Z2"
        }
    ],
    "FabricDesign": {
        "Name": "2xMX9116n_Fabric_Switching_Engines_in_same_chassis"
    }
}
```

To get the value of *FabricDesign.Name*, use the `/api/NetworkService/FabricDesigns` API. The structure of FabricDesignMapping changes depending on the fabric design. Within `FabricDesignMapping`, the value of *PhysicalNode* must be set from the result of `/api/NetworkService/FabricDesigns('DesiredDesign')/NetworkService.GetApplicableNodes`.

Table 156. Attributes

Attribute	Description
OverrideLLDPConfiguration	Value must be "Disabled" or "Enabled". By enabling this configuration, Fabric Management Address is included in LLDP Messages. **NOTE: Some software networking solutions require a single management address to be transmitted by all Ethernet switches to represent the entire fabric. Enable this feature only when connecting to such a solution.**
ScaleVLANProfile	Value must be "Disabled" or "Enabled". **NOTE: The scale VLAN configuration for existing fabrics upgraded to OME-Modular 1.20 is not enabled by**

Table 156. Attributes (continued)

Attribute	Description
	default. To enable the scale VLAN configuration for existing fabrics, use the PUT method.

/api/NetworkService/FabricDesigns

This URI represents the fabric designs.

GET method for FabricDesigns

This method returns a list of the fabric designs.

Description	Returns a list of fabric designs.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.FabricDesign)",
  "@odata.count": 3,
  "value":
  [
    {
      "@odata.type": "#NetworkService.FabricDesign",
      "@odata.id": "/api/NetworkService/
FabricDesigns('2xMX5108n_Ethernet_Switches_in_same_chassis')",
      "Name": "2xMX5108n_Ethernet_Switches_in_same_chassis",
      "NetworkLink":
      [
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/10:1",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/10:1"
        },
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/9",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/9"
        }
      ],
      "FabricDesignNode":
      [
        {
          "NodeName": "Switch-A",
          "ChassisName": "Chassis-X",
          "Slot": "Slot-A1",
          "Type": "ModularSwitch"
        },
        {
          "NodeName": "Switch-B",
          "ChassisName": "Chassis-X",
          "Slot": "Slot-A2",
          "Type": "ModularSwitch"
        }
      ]
    },
    {
      "@odata.type": "#NetworkService.FabricDesign",
      "@odata.id": "/api/NetworkService/
FabricDesigns('2xMX9116n_Fabric_Switching_Engines_in_same_chassis')",
      "Name": "2xMX9116n_Fabric_Switching_Engines_in_same_chassis",
```

```
      "NetworkLink":
      [
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/37",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/37"
        },
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/38",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/38"
        },
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/40",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/40"
        },
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/39",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/39"
        }
      ],
      "FabricDesignNode":
      [
        {
          "NodeName": "Switch-A",
          "ChassisName": "Chassis-X",
          "Slot": "Slot-A1",
          "Type": "WeaverSwitch"
        },
        {
          "NodeName": "Switch-B",
          "ChassisName": "Chassis-X",
          "Slot": "Slot-A2",
          "Type": "WeaverSwitch"
        }
      ]
    },
    {
      "@odata.type": "#NetworkService.FabricDesign",
      "@odata.id": "/api/NetworkService/
FabricDesigns('2xMX9116n_Fabric_Switching_Engines_in_different_chassis')",
      "Name": "2xMX9116n_Fabric_Switching_Engines_in_different_chassis",
      "NetworkLink":
      [
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/37",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/37"
        },
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/38",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/38"
        },
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/40",
          "DestinationNode": "Switch-B",
          "DestinationInterface": "ethernet1/1/40"
        },
        {
          "SourceNode": "Switch-A",
          "SourceInterface": "ethernet1/1/39",
          "DestinationNode": "Switch-B",
```

```
            "DestinationInterface": "ethernet1/1/39"
          }
      ],
      "FabricDesignNode":
      [
        {
          "NodeName": "Switch-A",
          "ChassisName": "Chassis-X",
          "Slot": "Slot-A1",
          "Type": "WeaverSwitch"
        },
        {
          "NodeName": "Switch-B",
          "ChassisName": "Chassis-Y",
          "Slot": "Slot-A2",
          "Type": "WeaverSwitch"
        }
      ]
    }
  ]
}
```


/api/NetworkService/Fabrics(Id)

This URI represents a specific fabric in the fabric collection.

GET method for Fabrics(Id)

This method returns a specific fabric from the collection of fabrics.

Description	Returns a specific fabric.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#NetworkService.Fabric/$entity",
  "@odata.type": "#NetworkService.Fabric",
  "@odata.id": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')",
  "Id": "31db245a-9865-4a23-9697-4902cd2d5421",
  "Name": "Chassis 19 Fabric-B",
  "Description": "MX5108 C19-B1/B2",
  "Summary":
    {
      "NodeCount": 2,
      "ServerCount": 5,
      "UplinkCount": 1
    },
  "LifeCycleStatus":
  [
    {
      "Activity": "Upgrade",
      "Status": "2060"
    },
    {
      "Activity": "Create",
      "Status": "2060"
    }
  ],
  "Health":
    {
      "Status": "4000",
      "Issues":
      [
```

```
        {
          "MessageId": "NFAB0017",
          "Message": "The network fabric is not healthy because all ISLs are
not connected.",
          "MessageArgs": [],
          "Severity": "Warning",
          "Resolution": "Make sure that all the ISLs are connected as per
the specification.",
          "Category": "Audit",
          "DetailedDescription": "",
          "TimeStamp": "2018-07-12T18:47:56Z"
        }
      ]
    },
  "FabricDesignMapping":
  [
    {
      "DesignNode": "Switch-A",
      "PhysicalNode": "41F2MN2"
    },
    {
      "DesignNode": "Switch-B",
      "PhysicalNode": "41F4MN2"
    }
  ],
  "Switches@odata.navigationLink": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/Switches",
  "Servers@odata.navigationLink": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/Servers",
  "FabricDesign":
    {
      "@odata.id": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/FabricDesign"
    },
  "ValidationErrors@odata.navigationLink": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/ValidationErrors",
  "Uplinks@odata.navigationLink": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/Uplinks",
  "Topology":
    {
      "@odata.id": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/Topology"
    },
  "ISLLinks@odata.navigationLink": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/ISLLinks"
}
```


PUT method for Fabrics(Id)

This method updates a fabric.

Description	Updates a specific fabric.
Privilege	FABRIC_MANAGEMENT
HTTP response codes	200

Example request body


```
{
  "Id":"123e4567-e89b-12d3-a456-426655440000",
  "Name":"Fabric-1",
  "Description":"This is a fabric.",
  "FabricDesignMapping":
  [
    {
      "DesignNode":" Switch-A",
      "PhysicalNode":"8KWYERN1"
    },
    {
```

```
      "DesignNode":" Switch-B",
      "PhysicalNode":"9KWYJRN1"
    }
  ],
  "FabricDesign":
    {
      "Name":"2xMX9116n_Fabric_Switching_Engines_in_same_chassis "
    }
}
```

Example response body

```
TRUE
```

Table 157. Attributes

Attribute name	Description
ID	The identifier of the fabric.
Name	The fabric name.
Description	The fabric name description.
DesignNode	DesignNode must be identical to the name provided in the selected fabric design.
PhysicalNode	Service Tag of the switch that you want to configure for the given fabric.
FabricDesign	
Name (FabricDesign)	The fabric design name.

DELETE method for Fabrics(Id)

This method deletes a specific fabric.

Description	Deletes a specific fabric.
Privilege	FABRIC_MANAGEMENT
HTTP response codes	204

/api/NetworkService/Fabrics(Id)/FabricDesigns

This URI represents the fabric design for a specific fabric.

GET method for FabricDesigns for a specific fabric

This method returns the fabric design of a specific fabric.

Description	Returns the fabric design of a specific fabric.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#NetworkService.FabricDesign/$entity",
  "@odata.type": "#NetworkService.FabricDesign",
  "@odata.id": "/api/NetworkService/
Fabrics('30aec2da-07d6-4f1c-865c-616c27e71301')/FabricDesign",
  "Name": "2NodeHERedundant",
```

```
  "NetworkLink":
  [
    {
      "SourceNode": "Switch-A",
      "SourceInterface": "ethernet1/1/37",
      "DestinationNode": "Switch-B",
      "DestinationInterface": "ethernet1/1/37"
    },
    {
      "SourceNode": "Switch-A",
      "SourceInterface": "ethernet1/1/38",
      "DestinationNode": "Switch-B",
      "DestinationInterface": "ethernet1/1/38"
    },
    {
      "SourceNode": "Switch-A",
      "SourceInterface": "ethernet1/1/40",
      "DestinationNode": "Switch-B",
      "DestinationInterface": "ethernet1/1/40"
    },
    {
      "SourceNode": "Switch-A",
      "SourceInterface": "ethernet1/1/39",
      "DestinationNode": "Switch-B",
      "DestinationInterface": "ethernet1/1/39"
    }
  ],
  "FabricDesignNode":
  [
    {
      "NodeName": "Switch-A",
      "ChassisName": "Chassis-X",
      "Slot": "Slot-A1",
      "Type": "WeaverSwitch"
    },
    {
      "NodeName": "Switch-B",
      "ChassisName": "Chassis-Y",
      "Slot": "Slot-A2",
      "Type": "WeaverSwitch"
    }
  ]
}
```

/api/NetworkService/Fabrics(Id)/ValidationErrors

This URI represents the validation errors for a specific fabric.

GET method for ValidationErrors for a specific fabric

This method returns the validation errors of a specific fabric.

Description	Returns the validation errors of a specific fabric.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkService.ValidationError)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.type": "#NetworkService.ValidationError",
```

```
      "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')/ValidationErrors('0bebadec-b61b-4b16-b354-5196396a4a18-
Slot-Issue')",
      "Id": "0bebadec-b61b-4b16-b354-5196396a4a18-Slot-Issue",
      "MessageId": "NFAB0008",
      "Category": "FabricError",
      "SubCategory": "PlacementError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY002P12345678901234567890123456789012345",
      "ChassisServiceTag": "SKY002P12345678901234567890123456789012345",
      "Description": "Unable to validate the network fabric because the I/O
Modules are in same slot.",
      "ProblemLink":
        {
          "SourceNode": "",
          "SourceInterface": "",
          "DestinationNode": "",
          "DestinationInterface": ""
        },
      "RecommendedLink":
        {
          "SourceNode": "",
          "SourceInterface": "",
          "DestinationNode": "",
          "DestinationInterface": ""
        },
      "RecommendedAction": "Make sure that the I/O Modules are in different
slots",
      "Timestamp": "1531891792"
    },
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')/ValidationErrors('0bebadec-b61b-4b16-b354-5196396a4a18-
ISL-%5BICL-2_REVERSE%5D-NotFound-Issue')",
      "Id": "0bebadec-b61b-4b16-b354-5196396a4a18-ISL-[ICL-2_REVERSE]-
NotFound-Issue",
      "MessageId": "NFAB0012",
      "Category": "FabricError",
      "SubCategory": "ISLError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY002P12345678901234567890123456789012345",
      "ChassisServiceTag": "SKY002P12345678901234567890123456789012345",
      "Description": "Unable to validate the fabric because the design link
ICL-2_REVERSE not connected as per design 2NodeHESameChassis.",
      "ProblemLink":
        {
          "SourceNode": "DPM4XC2",
          "SourceInterface": "DPM4XC2:ethernet1/1/41",
          "DestinationNode": "DPM4XC1",
          "DestinationInterface": "DPM4XC1:ethernet1/1/41"
        },
      "RecommendedLink":
        {
          "SourceNode": "DPM4XC2",
          "SourceInterface": "DPM4XC2:ethernet1/1/41",
          "DestinationNode": "DPM4XC1",
          "DestinationInterface": "DPM4XC1:ethernet1/1/41"
        },
      "RecommendedAction": "Make sure that the links are connected as per
design.",
      "Timestamp": "1531891792"
    },
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')/ValidationErrors('0bebadec-b61b-4b16-b354-5196396a4a18-
ISL-%5BICL-1_REVERSE%5D-NotFound-Issue')",
      "Id": "0bebadec-b61b-4b16-b354-5196396a4a18-ISL-[ICL-1_REVERSE]-
NotFound-Issue",
      "MessageId": "NFAB0012",
      "Category": "FabricError",
```

```
      "SubCategory": "ISLError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY002P12345678901234567890123456789012345",
      "ChassisServiceTag": "SKY002P12345678901234567890123456789012345",
      "Description": "Unable to validate the fabric because the design link
ICL-1_REVERSE not connected as per design 2NodeHESameChassis.",
      "ProblemLink":
        {
          "SourceNode": "DPM4XC2",
          "SourceInterface": "DPM4XC2:ethernet1/1/42",
          "DestinationNode": "DPM4XC1",
          "DestinationInterface": "DPM4XC1:ethernet1/1/42"
        },
      "RecommendedLink":
        {
          "SourceNode": "DPM4XC2",
          "SourceInterface": "DPM4XC2:ethernet1/1/42",
          "DestinationNode": "DPM4XC1",
          "DestinationInterface": "DPM4XC1:ethernet1/1/42"
        },
      "RecommendedAction": "Make sure that the links are connected as per
design.",
      "Timestamp": "1531891792"
    },
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')/ValidationErrors('0bebadec-b61b-4b16-b354-5196396a4a18-
ISL-%5BICL-2_FORWARD%5D-NotFound-Issue')",
      "Id": "0bebadec-b61b-4b16-b354-5196396a4a18-ISL-[ICL-2_FORWARD]-
NotFound-Issue",
      "MessageId": "NFAB0012",
      "Category": "FabricError",
      "SubCategory": "ISLError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY00201234567890123456789012345",
      "ChassisServiceTag": "SKY00201234567890123456789012345",
      "Description": "Unable to validate the fabric because the design link
ICL-2_FORWARD not connected as per design 2NodeHESameChassis.",
      "ProblemLink":
        {
          "SourceNode": "DPM4XC1",
          "SourceInterface": "DPM4XC1:ethernet1/1/41",
          "DestinationNode": "DPM4XC2",
          "DestinationInterface": "DPM4XC2:ethernet1/1/41"
        },
      "RecommendedLink":
        {
          "SourceNode": "DPM4XC1",
          "SourceInterface": "DPM4XC1:ethernet1/1/41",
          "DestinationNode": "DPM4XC2",
          "DestinationInterface": "DPM4XC2:ethernet1/1/41"
        },
      "RecommendedAction": "Make sure that the links are connected as per
design.",
      "Timestamp": "1531891792"
    },
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')/ValidationErrors('0bebadec-b61b-4b16-b354-5196396a4a18-
ISL-%5BICL-1_FORWARD%5D-NotFound-Issue')",
      "Id": "0bebadec-b61b-4b16-b354-5196396a4a18-ISL-[ICL-1_FORWARD]-
NotFound-Issue",
      "MessageId": "NFAB0012",
      "Category": "FabricError",
      "SubCategory": "ISLError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY00201234567890123456789012345",
      "ChassisServiceTag": "SKY00201234567890123456789012345",
      "Description": "Unable to validate the fabric because the design link
ICL-1_FORWARD not connected as per design 2NodeHESameChassis.",
```

```
      "ProblemLink":
        {
          "SourceNode": "DPM4XC1",
          "SourceInterface": "DPM4XC1:ethernet1/1/42",
          "DestinationNode": "DPM4XC2",
          "DestinationInterface": "DPM4XC2:ethernet1/1/42"
        },
      "RecommendedLink":
        {
          "SourceNode": "DPM4XC1",
          "SourceInterface": "DPM4XC1:ethernet1/1/42",
          "DestinationNode": "DPM4XC2",
          "DestinationInterface": "DPM4XC2:ethernet1/1/42"
        },
      "RecommendedAction": "Make sure that the links are connected as per
design.",
      "Timestamp": "1531891792"
    }
  ]
}
```


/api/NetworkService/Fabrics(Id)/Uplinks

This URI represents the uplinks of a specific fabric.

GET method for Uplinks for a specific fabric

This method returns the uplinks of a specific fabric.

Description	Returns the uplinks of a specific fabric.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.Uplink)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.type": "#NetworkService.Uplink",
      "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')/Uplinks('1dc73ef9-946c-4784-b1c7-2abd50bf3253')",
      "Id": "1dc73ef9-946c-4784-b1c7-2abd50bf3253",
      "Name": "tt",
      "Description": "tt",
      "MediaType": "Ethernet",
      "NativeVLAN": 0,
      "Summary":
        {
          "PortCount": 2,
          "NetworkCount": 1
        },
      "Ports@odata.navigationLink": "/api/NetworkService/Fabrics('0bebadec-
b61b-4b16-b354-5196396a4a18')/Uplinks('1dc73ef9-946c-4784-
b1c7-2abd50bf3253')/Ports",
      "Networks@odata.navigationLink": "/api/NetworkService/
Fabrics('0bebadec-b61b-4b16-b354-5196396a4a18')/Uplinks('1dc73ef9-946c-4784-
b1c7-2abd50bf3253')/Networks"
    }
  ]
}
```

POST method for Uplinks for a specific fabric

This method creates an uplink.

Description	Creates an uplink.
Privilege	FABRIC_MANAGEMENT
HTTP response code	201

Example request body

```
{
   "Name":"Uplink_Ethernet_Fabric-B",
   "Description":"Ethernet Uplink created from REST.",
   "MediaType":"Ethernet",
   "Ports":[
      {
         "Id": "6ZB1XC2:ethernet1/1/41"
      },
      {
         "Id": "5ZB1XC2:ethernet1/1/41"
      }
   ],
   "Networks":[
      {
         "Id":95614
      }
   ]
}
```

Example response body

```
Uplink Id
```

Table 158. Attributes

Attribute name	Description
ID	The identifier of the fabric.
Name	The fabric name.
Description	The fabric name description.
MediaType	Type of the uplink. For more information, see `api/NetworkService/UplinkTypes`.
ID (Ports)	Port ID(s).
ID (Networks)	Network ID(s).

/api/NetworkService/Fabrics(Id)/Uplinks(Id)

This URI represents a specific uplink in a fabric.

GET method for Uplinks(Id)

This method returns a specific uplink from a specific fabric.

Description	Returns a specific uplink from a specific fabric.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
```

```
  "@odata.context": "/api/$metadata#NetworkService.Uplink/$entity",
  "@odata.type": "#NetworkService.Uplink",
  "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')",
  "Id": "bda43da9-d6d8-4fc5-98b7-cb9030e8008e",
  "Name": "test",
  "Description": "test",
  "MediaType": "Ethernet",
  "NativeVLAN": 0,
  "Summary":
    {
      "PortCount": 4,
      "NetworkCount": 2
    },
  "Ports@odata.navigationLink": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')/Ports",
  "Networks@odata.navigationLink": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')/Networks"
}
```

POST method for Uplinks(Id)

This method creates an uplink .

Description	Updates a specific uplink.
Privilege	DEVICE_CONFIGURATION
HTTP response code	204

Example request body

```
{
   "Id":null,
   "Name":"Uplink-Test modified",
   "Description":"This is a fabric.",
   "MediaType":"FCoE",
   "UfdEnable":"Disabled",
   "Ports":[
      {
         "Id":"10WYERN4:eth1/1/1"
      },
      {
         "Id":"10WYERN4:eth1/1/2"
      }
   ],
   "Networks":[
      {
         "Id":2345
      }
   ]
}
```

PUT method for Uplinks(Id)

This method updates a specific uplink.

Description	Updates a specific uplink.
Privilege	FABRIC_MANAGEMENT
HTTP response code	200

Example request body

```
{
    "Id": "363ade54-a434-4e54-bf8e-0a2eefc5d2f7",
```

```
    "Name": "Ether",
    "Description": "Ethernet_Uplink",
    "MediaType": "Ethernet",
    "NativeVLAN": 1,
    "Ports": [
        {
            "Id": "8Z3D0T2:ethernet1/1/41"
        },
        {
            "Id": "D23RPK2:ethernet1/1/41"
        }
    ],
    "Networks": [
        {
            "Id": 12715
        },
        {
            "Id": 12717
        }
    ]
}
```

Example response body

```
TRUE
```

Example for creating MAC pools

Example response body

```
{
  "Name":"New Identity Pool 4",
  "EthernetSettings":
  {
    "Mac":
    {
      "IdentityCount":55,
      "StartingMacAddress": "UFBQUFAA"
    }
  },
  "IscsiSettings":
  {
    "Mac":
    {
      "IdentityCount":65,
      "StartingMacAddress": "YGBgYGAA"
    },
    "InitiatorConfig":
    {
      "IqnPrefix":"Iqn.MyIqnPrefix"
    }
  },
  "FcoeSettings":
  {
    "Mac":
    {
      "IdentityCount":75,
      "StartingMacAddress": "cHBwcHAA"
    }
  },
  "FcSettings":
  {
    "Wwnn":
    {
      "IdentityCount":85,
      "StartingAddress": "IACAgICAgAA="
    },
    "Wwpn":
    {
      "IdentityCount":85,
      "StartingAddress": "IAGAgICAgAA="
    }
```

```
    }
}
```

Table 159. Attributes

Attribute name	Description
ID	The identifier of the target uplink.
Name	The target uplink name
Description	The target uplink description
MediaType	Indicates, type of uplink. For more information, see `/api/NetworkService/UplinkTypes`.
NativeVLAN	VLAN number, user intends to configure uplink with, as untagged network.
Ports/Id	The identifier associated to switch port (interface) that the user intends to associate with the given uplink.
Networks/Id	The identifier that is associated to the network profile that the user intends to associate with the given uplink as tagged networks. **NOTE: One or more identifiers may be provided as input for ports and networks attribute.**

DELETE method for Uplinks(Id)

This method deletes a specific uplink.

Description	Deletes a specific uplink.
Privilege	FABRIC_MANAGEMENT
HTTP response codes	204

/api/NetworkService/Fabrics(Id)/Uplinks(Id)/Ports

This URI represents the uplink ports of a specific uplink in a fabric.

GET method for Ports for a specific uplink

This method returns the uplink ports of a specific uplink in a fabric.

Description	Returns the uplink ports.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.Port)",
  "@odata.count": 4,
  "value":
  [
    {
      "@odata.type": "#NetworkService.Port",
      "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')/Ports('1ZB1XC2%3Aethernet1%2F1%2F41')",
      "Id": "1ZB1XC2:ethernet1/1/41",
      "Name": "",
```

```
      "Description": "",
      "Type": "PhysicalEthernet",
      "MediaType": "Ethernet",
      "NodeServiceTag": "1ZB1XC2",
      "PortNumber": "ethernet1/1/41",
      "Status": "Down",
      "AdminStatus": "Enabled",
      "CurrentSpeed": "0",
      "MaxSpeed": "0",
      "ConfiguredSpeed": "0",
      "OpticsType": "NotPresent",
      "BlinkStatus": "OFF",
      "Role": "Uplink"
    },
    {
      "@odata.type": "#NetworkService.Port",
      "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')/Ports('DPM4XC1%3Aethernet1%2F1%2F41')",
      "Id": "DPM4XC1:ethernet1/1/41",
      "Name": "",
      "Description": "",
      "Type": "PhysicalEthernet",
      "MediaType": "Ethernet",
      "NodeServiceTag": "DPM4XC1",
      "PortNumber": "ethernet1/1/41",
      "Status": "Down",
      "AdminStatus": "Enabled",
      "CurrentSpeed": "0",
      "MaxSpeed": "0",
      "ConfiguredSpeed": "0",
      "OpticsType": "NotPresent",
      "BlinkStatus": "OFF",
      "Role": "Uplink"
    },
    {
      "@odata.type": "#NetworkService.Port",
      "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')/Ports('1ZB1XC2%3Aethernet1%2F1%2F40')",
      "Id": "1ZB1XC2:ethernet1/1/40",
      "Name": "",
      "Description": "",
      "Type": "PhysicalEthernet",
      "MediaType": "Ethernet",
      "NodeServiceTag": "1ZB1XC2",
      "PortNumber": "ethernet1/1/40",
      "Status": "Down",
      "AdminStatus": "Enabled",
      "CurrentSpeed": "0",
      "MaxSpeed": "0",
      "ConfiguredSpeed": "0",
      "OpticsType": "NotPresent",
      "BlinkStatus": "OFF",
      "Role": "Uplink"
    },
    {
      "@odata.type": "#NetworkService.Port",
      "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')/Ports('DPM4XC1%3Aethernet1%2F1%2F42')",
      "Id": "DPM4XC1:ethernet1/1/42",
      "Name": "",
      "Description": "",
      "Type": "PhysicalEthernet",
      "MediaType": "Ethernet",
      "NodeServiceTag": "DPM4XC1",
      "PortNumber": "ethernet1/1/42",
      "Status": "Down",
      "AdminStatus": "Enabled",
      "CurrentSpeed": "0",
      "MaxSpeed": "0",
```

```
      "ConfiguredSpeed": "0",
      "OpticsType": "NotPresent",
      "BlinkStatus": "OFF",
      "Role": "Uplink"
    }
  ]
}
```


/api/NetworkService/Fabrics(Id)/Uplinks(Id)/Networks

This URI represents the network details of a specific uplink in a fabric.

GET method for Networks for a specific uplink

This method returns the network details of a specific uplink in a fabric.

Description	Returns the network details of a specific uplink.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkConfigurationService.Network)",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#NetworkConfigurationService.Network",
      "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')/Networks(25375)",
      "Id": 25375,
      "Name": "1",
      "Description": "1",
      "VlanMaximum": 11,
      "VlanMinimum": 11,
      "Type": 1,
      "CreatedBy": "root",
      "CreationTime": "2018-07-11 03:35:11.590",
      "UpdatedBy": null,
      "UpdatedTime": "2018-07-11 03:35:11.590",
      "InternalRefNWUUId": "fd4d9ece-732e-4beb-8613-ab986889fe43"
    },
    {
      "@odata.type": "#NetworkConfigurationService.Network",
      "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-
d6d8-4fc5-98b7-cb9030e8008e')/Networks(25379)",
      "Id": 25379,
      "Name": "2",
      "Description": "2",
      "VlanMaximum": 17,
      "VlanMinimum": 14,
      "Type": 1,
      "CreatedBy": "root",
      "CreationTime": "2018-07-11 03:35:20.543",
      "UpdatedBy": null,
      "UpdatedTime": "2018-07-11 03:35:20.543",
      "InternalRefNWUUId": "4c55cc1e-d3ad-48a4-a836-5050437dbe20"
    }
  ]
}
```

/api/NetworkService/Fabrics('Id')/NetworkService.GetApplicableUplinkNetworks

This API represents uplink network information.

POST method for /api/NetworkService/Fabrics('Id')/NetworkService.GetApplicableUplinkNetworks

This method returns the uplinks network information.

Description	Returns uplink network information.
Privilege	VIEW
HTTP response codes	200
Example response body	`{ "UplinkType":1 // UplinkType is specified in GET /api/NetworkService/UplinkTypes }`

api/NetworkService/Fabrics(arg1)/NetworkService.GetApplicableUplinkUntaggedNetworks

This API gets the untagged networks that can be added to the uplink.

POST method for getting untagged networks

This method gets the applicable untagged networks that can be added to the uplink.

Description	Gets the applicable untagged networks that can be added to the uplink.
Privilege	VIEW
HTTP Response Code	
Example response body	`{ "UplinkType":1 }`

api/NetworkService/Fabrics(arg1)/Servers

This API gets details of the fabrics that are associated with servers.

GET method for fabric details

This method gets details of the fabrics that are associated with servers.

Description	Returns details of the fabrics associated with servers.
Privilege	VIEW
HTTP response codes	200
Example response body	`{ "@odata.context": "/api/$metadata#Collection(DeviceService.Device)", "@odata.count": 2,`

```
    "value": [
        {
            "@odata.type": "#DeviceService.Device",
            "@odata.id": "/api/DeviceService/Devices(10056)",
            "Id": 10056,
            "Type": 1000,
            "Identifier": "8YQ1B03",
            "DeviceServiceTag": "8YQ1B03",
            "ChassisServiceTag": "C4WK1S2",
            "Model": "PowerEdge MX740c",
            "PowerState": 17,
            "ManagedState": 3000,
            "Status": 1000,
            "ConnectionState": true,
            "AssetTag": null,
            "SystemId": 1893,
            "DeviceName": "Sled-7",
            "LastInventoryTime": "2020-04-25 13:00:51.343",
            "LastStatusTime": "2020-04-25 13:00:04.042",
            "DeviceSubscription": null,
            "DeviceCapabilities": [
                1,
                2,
                3,
                4,
                7,
                8,
                41,
                9,
                10,
                11,
                12,
                13,
                14,
                15,
                16,
                17,
                18,
                30,
                31
            ],
            "SlotConfiguration": {
                "ChassisName": "MX-C4WK1S2",
                "SlotId": "10071",
                "DeviceType": "1000",
                "ChassisId": "10054",
                "SlotNumber": "7",
                "SledBlockPowerOn": "None blocking",
                "SlotName": "Sled-7",
                "ChassisServiceTag": "C4WK1S2",
                "SlotType": "2000"
            },
            "DeviceManagement": [
                {
                    "ManagementId": 8608,
                    "NetworkAddress": "100.69.115.234",
                    "MacAddress": "4c:d9:8f:92:25:84",
                    "ManagementType": 2,
                    "InstrumentationName": "",
                    "DnsName": "iDRAC-8YQ1B03",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 8608,
                            "ProfileId": "WSMAN_OOB",
                            "ManagementId": 8608,
                            "AgentName": "iDRAC",
                            "Version": "4.00.00.00",
                            "ManagementURL": "https://100.69.115.234:443",
                            "HasCreds": 0,
                            "Status": 1000,
                            "StatusDateTime": "2020-04-25 13:00:51.343"
                        }
```

```
                    ]
                },
                {
                    "ManagementId": 8609,
                    "NetworkAddress": "[::]",
                    "MacAddress": "4c:d9:8f:92:25:84",
                    "ManagementType": 2,
                    "InstrumentationName": "",
                    "DnsName": "iDRAC-8YQ1B03",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 8609,
                            "ProfileId": "WSMAN_OOB",
                            "ManagementId": 8609,
                            "AgentName": "iDRAC",
                            "Version": "4.00.00.00",
                            "ManagementURL": "unknown",
                            "HasCreds": 0,
                            "Status": 1000,
                            "StatusDateTime": "2020-04-25 13:00:51.343"
                        }
                    ]
                }
            ],
            "Actions": null,
            "InventoryDetails@odata.navigationLink": "/api/DeviceService/
Devices(10056)/InventoryDetails",
            "HardwareLogs@odata.navigationLink": "/api/DeviceService/
Devices(10056)/HardwareLogs",
            "SubSystemHealth@odata.navigationLink": "/api/DeviceService/
Devices(10056)/SubSystemHealth",
            "RecentActivity@odata.navigationLink": "/api/DeviceService/
Devices(10056)/RecentActivity",
            "InventoryTypes": {
                "@odata.id": "/api/DeviceService/Devices(10056)/
InventoryTypes"
            },
            "LogSeverities": {
                "@odata.id": "/api/DeviceService/Devices(10056)/
LogSeverities"
            },
            "Settings@odata.navigationLink": "/api/DeviceService/
Devices(10056)/Settings",
            "Temperature": {
                "@odata.id": "/api/DeviceService/Devices(10056)/Temperature"
            },
            "Power": {
                "@odata.id": "/api/DeviceService/Devices(10056)/Power"
            },
            "SystemUpTime": {
                "@odata.id": "/api/DeviceService/Devices(10056)/SystemUpTime"
            },
            "BlinkStatus": {
                "@odata.id": "/api/DeviceService/Devices(10056)/BlinkStatus"
            },
            "PowerUsageByDevice@odata.navigationLink": "/api/DeviceService/
Devices(10056)/PowerUsageByDevice",
            "DeviceBladeSlots@odata.navigationLink": "/api/DeviceService/
Devices(10056)/DeviceBladeSlots",
            "GraphicInfo": {
                "@odata.id": "/api/DeviceService/Devices(10056)/GraphicInfo"
            },
            "DeployRequired": {
                "@odata.id": "/api/DeviceService/Devices(10056)/
DeployRequired"
            }
        },
        {
            "@odata.type": "#DeviceService.Device",
            "@odata.id": "/api/DeviceService/Devices(10055)",
            "Id": 10055,
            "Type": 1000,
```

```
            "Identifier": "77BK1S2",
            "DeviceServiceTag": "77BK1S2",
            "ChassisServiceTag": "C4WK1S2",
            "Model": "PowerEdge MX840c",
            "PowerState": 17,
            "ManagedState": 3000,
            "Status": 1000,
            "ConnectionState": true,
            "AssetTag": null,
            "SystemId": 1894,
            "DeviceName": "Sled-5",
            "LastInventoryTime": "2020-04-25 13:00:54.618",
            "LastStatusTime": "2020-04-25 13:00:03.839",
            "DeviceSubscription": null,
            "DeviceCapabilities": [
                1,
                2,
                3,
                4,
                7,
                8,
                9,
                41,
                10,
                11,
                12,
                13,
                14,
                15,
                16,
                17,
                18,
                30,
                31
            ],
            "SlotConfiguration": {
                "ChassisName": "MX-C4WK1S2",
                "SlotId": "10069",
                "DeviceType": "1000",
                "ChassisId": "10054",
                "SlotNumber": "5",
                "SledBlockPowerOn": "None blocking",
                "SlotName": "Sled-5",
                "ChassisServiceTag": "C4WK1S2",
                "SlotType": "2000"
            },
            "DeviceManagement": [
                {
                    "ManagementId": 8610,
                    "NetworkAddress": "100.69.115.144",
                    "MacAddress": "d0:94:66:87:87:b5",
                    "ManagementType": 2,
                    "InstrumentationName": "",
                    "DnsName": "iDRAC-77BK1S2",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 8610,
                            "ProfileId": "WSMAN_OOB",
                            "ManagementId": 8610,
                            "AgentName": "iDRAC",
                            "Version": "4.20.20.20",
                            "ManagementURL": "https://100.69.115.144:443",
                            "HasCreds": 0,
                            "Status": 1000,
                            "StatusDateTime": "2020-04-25 13:00:54.618"
                        }
                    ]
                },
                {
                    "ManagementId": 8611,
                    "NetworkAddress": "[::]",
                    "MacAddress": "d0:94:66:87:87:b5",
```

```
                    "ManagementType": 2,
                    "InstrumentationName": "",
                    "DnsName": "iDRAC-77BK1S2",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 8611,
                            "ProfileId": "WSMAN_OOB",
                            "ManagementId": 8611,
                            "AgentName": "iDRAC",
                            "Version": "4.20.20.20",
                            "ManagementURL": "unknown",
                            "HasCreds": 0,
                            "Status": 1000,
                            "StatusDateTime": "2020-04-25 13:00:54.618"
                        }
                    ]
                }
            ],
            "Actions": null,
            "InventoryDetails@odata.navigationLink": "/api/DeviceService/
Devices(10055)/InventoryDetails",
            "HardwareLogs@odata.navigationLink": "/api/DeviceService/
Devices(10055)/HardwareLogs",
            "SubSystemHealth@odata.navigationLink": "/api/DeviceService/
Devices(10055)/SubSystemHealth",
            "RecentActivity@odata.navigationLink": "/api/DeviceService/
Devices(10055)/RecentActivity",
            "InventoryTypes": {
                "@odata.id": "/api/DeviceService/Devices(10055)/
InventoryTypes"
            },
            "LogSeverities": {
                "@odata.id": "/api/DeviceService/Devices(10055)/
LogSeverities"
            },
            "Settings@odata.navigationLink": "/api/DeviceService/
Devices(10055)/Settings",
            "Temperature": {
                "@odata.id": "/api/DeviceService/Devices(10055)/Temperature"
            },
            "Power": {
                "@odata.id": "/api/DeviceService/Devices(10055)/Power"
            },
            "SystemUpTime": {
                "@odata.id": "/api/DeviceService/Devices(10055)/SystemUpTime"
            },
            "BlinkStatus": {
                "@odata.id": "/api/DeviceService/Devices(10055)/BlinkStatus"
            },
            "PowerUsageByDevice@odata.navigationLink": "/api/DeviceService/
Devices(10055)/PowerUsageByDevice",
            "DeviceBladeSlots@odata.navigationLink": "/api/DeviceService/
Devices(10055)/DeviceBladeSlots",
            "GraphicInfo": {
                "@odata.id": "/api/DeviceService/Devices(10055)/GraphicInfo"
            },
            "DeployRequired": {
                "@odata.id": "/api/DeviceService/Devices(10055)/
DeployRequired"
            }
        }
    ]
}
```

/api/NetworkService/Fabrics(Id)/NetworkService.GetApplicableUplinkPorts

POST method for GetApplicableUplinkPorts

This method returns the available uplink ports applicable to a fabric design.

Description	Returns applicable uplink ports.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	204

Example request body

```
{
  "UplinkType":1
}
```

Example response body


```
{
  "ApplicableUplinkPorts":
  [
    {
      "NodeServiceTag": "1ZB1XC2",
      "Ports":
      [
        {
          "Id": "1ZB1XC2:ethernet1/1/44",
          "Name": "",
          "Description": "",
          "PortNumber": "1ZB1XC2:ethernet1/1/44"
        },
        {
          "Id": "1ZB1XC2:ethernet1/1/42",
          "Name": "",
          "Description": "",
          "PortNumber": "1ZB1XC2:ethernet1/1/42"
        },
        {
          "Id": "1ZB1XC2:ethernet1/1/43",
          "Name": "",
          "Description": "",
          "PortNumber": "1ZB1XC2:ethernet1/1/43"
        },
        {
          "Id": "1ZB1XC2:ethernet1/1/37",
          "Name": "",
          "Description": "",
          "PortNumber": "1ZB1XC2:ethernet1/1/37"
        },
        {
          "Id": "1ZB1XC2:ethernet1/1/36",
          "Name": "",
          "Description": "",
          "PortNumber": "1ZB1XC2:ethernet1/1/36"
        },
        {
          "Id": "1ZB1XC2:ethernet1/1/35",
          "Name": "",
          "Description": "",
          "PortNumber": "1ZB1XC2:ethernet1/1/35"
        }
      ]
    },
    {
```

```
      "NodeServiceTag": "DPM4XC1",
      "Ports":
      [
        {
          "Id": "DPM4XC1:ethernet1/1/37",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/37"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/40",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/40"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/41",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/41"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/44",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/44"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/43",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/43"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/35",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/35"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/39",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/39"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/38",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/38"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/36",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/36"
        },
        {
          "Id": "DPM4XC1:ethernet1/1/42",
          "Name": "",
          "Description": "",
          "PortNumber": "DPM4XC1:ethernet1/1/42"
        }
      ]
    }
  ]
}
```

Table 160. Attributes

Attribute name	Description
UplinkType	ID of the uplink type. For more information, see `/api/NetworkService/UplinkTypes`).

api/NetworkService/Actions/NetworkService.UpdateServerUntaggedVLAN

This API allows you to update untagged network profiles on an existing interface profile for one or more target servers.

POST method for updating untagged network profiles

This method allows you to update untagged network profiles on an existing interface profile for one or more target servers.

NOTE: To run this API, you must have an existing server profile with NICs in system, that were deployed using the server deployment workflow.

Description	Updates untagged network profiles on an existing interface profile for one or more target servers.
Privilege	FABRIC_MANAGEMENT
HTTP response code	201

Example response body

```
{
   "ServersServiceTag":["GLDTCV2"],
   "ServerProfile":{
        "ServerInterfaceProfiles": [{
            "Id": "NIC.Mezzanine.1A-1-1",
            "NativeVLAN":700
        },
        {
            "Id": "NIC.Mezzanine.1A-2-1",
            "NativeVLAN":700
        }]
   }
}
```

Table 161. Attributes

Attribute name	Description
ServersServiceTag	This takes list of service tags of servers as input for targeted servers in the system.
ServerProfile	Container object that carries one or more server interface profiles as list.
ServerInterfaceProfiles	Details of the server profile.
NativeVLAN	A VLAN number that you can configure as an untagged network on the targeted server NIC interface.

/api/NetworkService/Fabrics(Id)/Switches

This URI represents the switches of a specific fabric.

GET method for Switches for a specific fabric

This method returns the switches of a specific fabric.

Description	Returns the uplinks of a specific fabric.
Privilege	VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "$metadata#Collection(DeviceService.Device)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)",
      "Id": 0,
      "Type": 4000,
      "Identifier": "8KWYERN1",
      "ChassisServiceTag": "9FHJSUIK1",
      "Model": null,
      "PowerState": 2,
      "Status": 1000,
      "AssetTag": "8KWYERN1",
      "SystemId": 0,
      "DeviceName": "Weaver1Node",
      "LastInventoryTime": null,
      "DeviceCapabilities": [],
      "DeviceSubscription":
        {
          "@odata.id": null
        },
      "DeviceSpecificData":
        {
          "@odata.id": null
        },
      "DeviceManagement": [],
      "InventoryDetails":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/InventoryDetails"
        }
      ],
      "HardwareLogs":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/HardwareLogs"
        }
      ],
      "SubSystemHealth":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/SubSystemHealth"
        }
      ],
      "RecentActivity":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/RecentActivity"
        }
      ],
      "InventoryTypes":
       {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/InventoryTypes"
        },
      "Settings":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/Settings"
```

```
          }
        ]
      }
    ]
}
```

/api/NetworkService/Fabrics(arg1)/Actions/NetworkService.ReplaceSwitch

This URI replaces the fabric switch.

POST method for replacing network switch

This method replaces the network switch.

Description	Replaces fabric switches.
Privilege	FABRIC_MANAGEMENT
HTTP response code	200

Example request body

```
{
    "NewSwitchServiceTag": "CJ2J5Z2",
    "OldSwitchServiceTag": "CJ2J4Z2"
}
```

Example response body

```
{
    "JobId": 0
}
```

/api/NetworkService/Fabrics(Id)/Servers

This URI represents the servers of a specific fabric.

GET method for Servers for a specific fabric

This method returns the details of the severs of a specific fabric.

Description	Returns the servers that are part of a specific fabric.
Privilege	VIEW
HTTP response codes	200

Example response body

```
    {
  "@odata.context": "$metadata#Collection(DeviceService.Device)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)",
      "Id": 0,
      "Type": 1000,
      "Identifier": "7IUJMNBGJ",
      "ChassisServiceTag": "9FHJSUIK1",
      "Model": "ServerModel1",
      "PowerState": 2,
      "Status": 3000,
```

```
      "AssetTag": "7IUJMNBGJ",
      "SystemId": 0,
      "DeviceName": "ServerNode",
      "LastInventoryTime": null,
      "DeviceCapabilities": [],
      "DeviceSubscription":
        {
          "@odata.id": null
        },
      "DeviceSpecificData":
        {
          "@odata.id": null
        },
      "DeviceManagement": [],
      "InventoryDetails":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/InventoryDetails"
        }
      ],
      "HardwareLogs":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/HardwareLogs"
        }
      ],
      "SubSystemHealth":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/SubSystemHealth"
        }
      ],
      "RecentActivity":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/RecentActivity"
        }
      ],
      "InventoryTypes":
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/InventoryTypes"
        },
      "Settings":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/Settings"
        }
      ]
    }
  ]
}
```


/api/NetworkService/Fabrics(Id)/ISLLinks

This URI represents the ISL links of a specific fabric.

GET method for ISLLinks

This method returns the ISL link details for a specific fabric.

Description	Returns the ISL link details for a fabric.
Privilege	VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.ISLLink)",
  "@odata.count": 4,
  "value":
  [
    {
      "@odata.type": "#NetworkService.ISLLink",
      "@odata.id": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/
ISLLinks('41F2MN2%3Aethernet1%2F1%2F10%3A1')",
      "Id": "41F2MN2:ethernet1/1/10:1",
      "Source":
        {
          "ChassisName": "Chassis-19",
          "ChassisServiceTag": "GYFJ9N2",
          "Slot": "IOM-B1",
          "PortNumber": "41F2MN2:ethernet1/1/10:1",
          "PortName": null
        },
      "Destination":
        {
          "ChassisName": "Chassis-19",
          "ChassisServiceTag": "GYFJ9N2",
          "Slot": "IOM-B2",
          "PortNumber": "41F4MN2:ethernet1/1/10:1",
          "PortName": null
        }
    },
    {
      "@odata.type": "#NetworkService.ISLLink",
      "@odata.id": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/
ISLLinks('41F4MN2%3Aethernet1%2F1%2F10%3A1')",
      "Id": "41F4MN2:ethernet1/1/10:1",
      "Source":
        {
          "ChassisName": "Chassis-19",
          "ChassisServiceTag": "GYFJ9N2",
          "Slot": "IOM-B2",
          "PortNumber": "41F4MN2:ethernet1/1/10:1",
          "PortName": null
        },
      "Destination":
        {
          "ChassisName": "Chassis-19",
          "ChassisServiceTag": "GYFJ9N2",
          "Slot": "IOM-B1",
          "PortNumber": "41F2MN2:ethernet1/1/10:1",
          "PortName": null
        }
    },
    {
      "@odata.type": "#NetworkService.ISLLink",
      "@odata.id": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/
ISLLinks('41F2MN2%3Aethernet1%2F1%2F9')",
      "Id": "41F2MN2:ethernet1/1/9",
      "Source":
        {
          "ChassisName": "Chassis-19",
          "ChassisServiceTag": "GYFJ9N2",
          "Slot": "IOM-B1",
          "PortNumber": "41F2MN2:ethernet1/1/9",
          "PortName": null
        },
      "Destination":
        {
```

```
          "ChassisName": "Chassis-19",
          "ChassisServiceTag": "GYFJ9N2",
          "Slot": "IOM-B2",
          "PortNumber": "41F4MN2:ethernet1/1/9",
          "PortName": null
        }
    },
    {
      "@odata.type": "#NetworkService.ISLLink",
      "@odata.id": "/api/NetworkService/
Fabrics('31db245a-9865-4a23-9697-4902cd2d5421')/
ISLLinks('41F4MN2%3Aethernet1%2F1%2F9')",
      "Id": "41F4MN2:ethernet1/1/9",
      "Source":
        {
          "ChassisName": "Chassis-19",
          "ChassisServiceTag": "GYFJ9N2",
          "Slot": "IOM-B2",
          "PortNumber": "41F4MN2:ethernet1/1/9",
          "PortName": null
        },
      "Destination":
        {
          "ChassisName": "Chassis-19",
          "ChassisServiceTag": "GYFJ9N2",
          "Slot": "IOM-B1",
          "PortNumber": "41F2MN2:ethernet1/1/9",
          "PortName": null
        }
    }
  ]
}
```


/api/NetworkService/Fabrics(Id)/Topology

This URI represents the topology of the nodes and switches.

GET method for Topology for a fabric

This method returns the topology of all the nodes and switches in a fabric.

Description	Returns a topology of the nodes and switches.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#NetworkService.Topology/$entity",
  "@odata.type": "#NetworkService.Topology",
  "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Topology",
  "Nodes@odata.navigationLink": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Topology/Nodes"
}
```

/api/NetworkService/Fabrics(Id)/Topology/Nodes

This URI represents the nodes for a fabric topology.

GET method for Nodes

This method returns all the nodes for a topology of a specific fabric.

Description	Returns the nodes for a fabric topology.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#Collection(DeviceService.Device)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)",
      "Id": 0,
      "Type": 4000,
      "Identifier": "8KWYERN1",
      "ChassisServiceTag": "9FHJSUIK1",
      "Model": null,
      "PowerState": 2,
      "Status": 1000,
      "AssetTag": "8KWYERN1",
      "SystemId": 0,
      "DeviceName": "Weaver1Node",
      "LastInventoryTime": null,
      "DeviceCapabilities": [],
      "DeviceSubscription":
        {
          "@odata.id": null
        },
      "DeviceSpecificData":
        {
          "@odata.id": null
        },
      "DeviceManagement": [],
      "InventoryDetails":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/InventoryDetails"
        }
      ],
      "HardwareLogs":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/HardwareLogs"
        }
      ],
      "SubSystemHealth":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/SubSystemHealth"
        }
      ],
      "RecentActivity":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/RecentActivity"
```

```
        }
      ],
      "InventoryTypes":
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/InventoryTypes"
        },
      "Settings":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Switches(0)/Settings"
        }
      ]
    }
  ]
}
```


/api/NetworkService/Fabrics(Id)/Topology/Nodes(Id)

This URI represents a specific node of a fabric topology.

GET method for Nodes(Id)

This method returns the details of a specific node of a fabric topology.

Description	Returns the details of a specific node.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "$metadata#Collection(DeviceService.Device)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)",
      "Id": 0,
      "Type": 1000,
      "Identifier": "7IUJMNBGJ",
      "ChassisServiceTag": "9FHJSUIK1",
      "Model": "ServerModel1",
      "PowerState": 2,
      "Status": 3000,
      "AssetTag": "7IUJMNBGJ",
      "SystemId": 0,
      "DeviceName": "ServerNode",
      "LastInventoryTime": null,
      "DeviceCapabilities": [],
      "DeviceSubscription":
        {
          "@odata.id": null
        },
      "DeviceSpecificData":
        {
          "@odata.id": null
        },
      "DeviceManagement": [],
      "InventoryDetails":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/InventoryDetails"
```

```
        }
      ],
      "HardwareLogs":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/HardwareLogs"
        }
      ],
      "SubSystemHealth":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/SubSystemHealth"
        }
      ],
      "RecentActivity":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/RecentActivity"
        }
      ],
      "InventoryTypes":
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/InventoryTypes"
        },
      "Settings":
      [
        {
          "@odata.id": "/api/NetworkService/Fabrics('123e4567-e89b-12d3-
a456-426655440000')/Servers(0)/Settings"
        }
      ]
    }
  ]
}
```


/api/NetworkService/Actions/NetworkService.RemoveFabrics

POST method for NetworkService.RemoveFabrics

This method deletes multiple fabrics.

Description	Deletes multiple fabrics.
Privilege	FABRIC_MANAGEMENT
HTTP response codes	204

Example request body

```
{
  "FabricIds":["Fabric-1","Fabric-2']
}
```

Example response body

```
{
  "Fabric-1": true,
  "Fabric-2": true
}
```

/api/NetworkService/Actions/NetworkService.RemoveUplinks

POST method for NetworkService.RemoveUplinks

This method deletes multiple fabric uplinks.

Description	Deletes multiple fabric uplinks.
Privilege	FABRIC_MANAGEMENT
HTTP response codes	200

Example request body

```
{
  "FabricId":"FabricId",
  "UplinkIds":["id1","id2"]
}
```

Example response body

```
{
  "id1": true,
  "id2": true
}
```

/api/NetworkService/Fabrics(Id)/Topology/Nodes(Id)/ChildNodes

This URI represents the child nodes for a specific node of a fabric topology.

GET method for ChildNodes

This method returns the child nodes for a specific node of a fabric topology.

Description	Returns the child nodes.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.Node)",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#NetworkService.Node",
      "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Topology/Nodes('Switch
%3A1ZB1XC2')",
      "Id": "Switch:1ZB1XC2",
      "Type": "NETWORK_IOM",
      "ParentNodeId": "SKY00201234567890123456789012345",
      "Location": "IOM-B1",
      "NodeInformation":
        {
          "@odata.type": "#NetworkService.NodeInformation",
          "Status": 1000,
          "Type": "WeaverSwitch",
          "ServiceTag": "1ZB1XC2",
          "DeviceId": 25004,
          "Model": "MX9116n Fabric Engine",
```

```
          "Slot": "IOM-B1",
          "SwitchMode": "Fabric",
          "PowerState": 17,
          "Name": "IOM-B1"
        },
      "ChildNodes@odata.navigationLink": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Topology/Nodes('Switch
%3A1ZB1XC2')/ChildNodes"
    },
    {
      "@odata.type": "#NetworkService.Node",
      "@odata.id": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Topology/Nodes('Switch
%3ADPM4XC1')",
      "Id": "Switch:DPM4XC1",
      "Type": "NETWORK_IOM",
      "ParentNodeId": "SKY00201234567890123456789012345",
      "Location": "IOM-B2",
      "NodeInformation":
        {
          "@odata.type": "#NetworkService.NodeInformation",
          "Status": 1000,
          "Type": "WeaverSwitch",
          "ServiceTag": "DPM4XC1",
          "DeviceId": 25005,
          "Model": "MX9116n Fabric Engine",
          "Slot": "IOM-B2",
          "SwitchMode": "Fabric",
          "PowerState": 17,
          "Name": "IOM-B2"
        },
      "ChildNodes@odata.navigationLink": "/api/NetworkService/
Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Topology/Nodes('Switch
%3ADPM4XC1')/ChildNodes"
    }
  ]
}
```


/api/NetworkService/FabricDesigns(Id)/NetworkService.GetApplicableNodes

POST method for GetApplicableNodes

This method returns the available nodes applicable to a fabric design.

Description	Returns applicable nodes.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200

Example response body


```
{
  "DesignCriteria":
  [
    {
      "Criterion":
        {
          "NodeName":"Switch-A","ChassisName":"Chassis-X","Slot":"Slot-
A1","Type":"WeaverSwitch"
        },
      "ApplicableNodes":
      [
        {
          "ServiceTag":"DPM4XC2","Slot":"IOM-B2","ChassisName":"MX-
```

```
SKY002P12345678901234567890123456789012345","ChassisServiceTag":"SKY002P12345678901234567890123456789012345"
          }
        ]
      },
      {
        "Criterion":
          {
            "NodeName":"Switch-B","ChassisName":"Chassis-Y","Slot":"Slot-
A2","Type":"WeaverSwitch"
          },
        "ApplicableNodes":
        [
          {
            "ServiceTag":"DPM4XC2","Slot":"IOM-B2","ChassisName":"MX-
SKY002P12345678901234567890123456789012345","ChassisServiceTag":"SKY002P12345678901234567890123456789012345"
          }
        ]
      }
  ]
}
```


/api/NetworkService/UplinkTypes

This URI represents the uplink types.

GET method for UplinkTypes

This method returns the uplink types.

Description	Returns the uplink types.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.UplinkType)",
   "@odata.count": 4,
   "value":
   [
     {
       "@odata.type": "#NetworkService.UplinkType",
       "Id": 1,
       "Name": "Ethernet"
     },
     {
       "@odata.type": "#NetworkService.UplinkType",
       "Id": 2,
       "Name": "FCoE"
     },
     {
       "@odata.type": "#NetworkService.UplinkType",
       "Id": 3,
       "Name": "FC Gateway"
     },
     {
       "@odata.type": "#NetworkService.UplinkType",
       "Id": 4,
       "Name": "FC Direct Attach"
     }
  ]
}
```

/api/NetworkService/NodeTypes

This URI represents the node types.

GET method for NodeTypes

This method returns the node types.

Description	Returns the node types.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.NodeType)",
  "@odata.count": 3,
  "value":
  [
    {
      "@odata.type": "#NetworkService.NodeType",
      "Id": 1,
      "Name": "CHASSIS"
    },
    {
      "@odata.type": "#NetworkService.NodeType",
      "Id": 2,
      "Name": "NWIOM"
    },
    {
      "@odata.type": "#NetworkService.NodeType",
      "Id": 3,
      "Name": "PORT"
    }
  ]
}
```

/api/NetworkService/FabricActivityTypes

This URI represents the activities that can be performed using fabrics.

GET method for FabricActivityTypes

This method returns the list of activities that can be performed using fabrics.

Description	Returns the list of activities for a fabric.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkService.EnumerationEntry)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Create",
      "Name": "Create"
    },
    {
```

```
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Upgrade",
      "Name": "Upgrade"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Delete",
      "Name": "Delete"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "ReplaceNode",
      "Name": "ReplaceNode"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Unknown",
      "Name": "Unknown"
    }
  ]
}
```


/api/NetworkService/FabricActivityStatuses

This URI represents the possible status values of the fabric activities.

GET method for FabricActivityStatuses

This method returns the possible status values of the fabric activities or jobs.

Description	Returns the possible status values of fabric activities or jobs.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkService.EnumerationEntry)",
  "@odata.count": 12,
  "value":
  [
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2020",
      "Name": "Scheduled"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2030",
      "Name": "Queued"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2040",
      "Name": "Starting"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2050",
      "Name": "Running"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2060",
      "Name": "Completed"
```

```
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2070",
      "Name": "Failed"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2080",
      "Name": "New"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2090",
      "Name": "Warning"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2100",
      "Name": "Aborted"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2101",
      "Name": "Paused"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2102",
      "Name": "Stopped"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2103",
      "Name": "Canceled"
    }
  ]
}
```

/api/NetworkService/FabricHealthStatuses

This URI represents the possible health states of the fabric.

GET method for FabricHealthStatuses

This method returns the possible health states of the fabric.

Description	Returns the possible health states of the fabric.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkService.EnumerationEntry)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "1000",
      "Name": "NORMAL"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
```

```
      "Id": "3000",
      "Name": "WARNING"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "4000",
      "Name": "CRITICAL"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "2000",
      "Name": "UNKNOWN"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "5000",
      "Name": "NOSTATUS"
    }
  ]
}
```

/api/NetworkService/MultiChassisDomain

GET method for MultiChassisDomain

This method provides access to the multi-chassis topology and validation errors.

Description	Provides access to the multi-chassis topology and validation errors.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.id": "/api/NetworkService/MultiChassisDomain",
  "Topology":
  {
    "@odata.id": "/api/NetworkService/MultiChassisDomain/Topology"
  },
  "ValidationErrors@odata.navigationLink": "/api/NetworkService/
MultiChassisDomain/ValidationErrors"
}
```

/api/NetworkService/MultiChassisDomain/Topology

This URI represents the topology of an MCM group.

GET method for Topology in a multichassis domain

This method returns the topology of a group with multiple chassis.

Description	Returns the topology of a group.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  /api/$metadata#NetworkService.Topology/$entity",
  "@odata.type": "#NetworkService.Topology",
```

```
  "@odata.id": "/api/NetworkService/MultiChassisDomain/Topology",
  "Nodes@odata.navigationLink": "/api/NetworkService/MultiChassisDomain/
Topology/Nodes"
}
```


/api/NetworkService/MultiChassisDomain/Topology/Nodes

This URI represents all the nodes in an MCM group.

GET method for Nodes in an MCM group

This method returns the details of all the nodes in an MCM group.

Description	Returns the list of nodes in an MCM group and their details.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.Node)",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#NetworkService.Node",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/Topology/
Nodes('Chassis%3ASKY002P12345678901234567890123456789012345')",
      "Id": "Chassis:SKY002P12345678901234567890123456789012345",
      "Type": "CHASSIS",
      "ParentNodeId": null,
      "Location": null,
      "NodeInformation":
        {
          "@odata.type": "#NetworkService.NodeInformation",
          "Status": 4000,
          "MCMRole": "MEMBER",
          "ServiceTag": "SKY002P12345678901234567890123456789012345",
          "DeviceId": 25155,
          "Model": "POWEREDGE MX7000",
          "PowerState": 17,
          "Name": "MX-SKY002P12345678901234567890123456789012345"
        },
      "ChildNodes@odata.navigationLink": "/api/NetworkService/
MultiChassisDomain/Topology/Nodes('Chassis
%3ASKY002P12345678901234567890123456789012345')/ChildNodes"
    },
    {
      "@odata.type": "#NetworkService.Node",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/Topology/
Nodes('Chassis%3ASKY00201234567890123456789012345')",
      "Id": "Chassis:SKY00201234567890123456789012345",
      "Type": "CHASSIS",
      "ParentNodeId": null,
      "Location": null,
      "NodeInformation":
        {
          "@odata.type": "#NetworkService.NodeInformation",
          "Status": 4000,
          "MCMRole": "LEAD",
          "ServiceTag": "SKY00201234567890123456789012345",
          "DeviceId": 25003,
          "Model": "POWEREDGE MX7000",
          "PowerState": 17,
```

```
          "Name": "MX-SKY00201234567890123456789012345"
        },
      "ChildNodes@odata.navigationLink": "/api/NetworkService/
MultiChassisDomain/Topology/Nodes('Chassis
%3ASKY00201234567890123456789012345')/ChildNodes"
    }
  ]
}
```


/api/NetworkService/MultiChassisDomain/Topology/Nodes(Id)

This URI represents a chassis node in an MCM group.

GET method for Nodes(Id) in an MCM group

This method returns the details of a chassis node in an MCM group.

Description	Returns the details of a chassis node in an MCM group.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "/api/$metadata#NetworkService.Node/$entity",
  "@odata.type": "#NetworkService.Node",
  "@odata.id": "/api/NetworkService/MultiChassisDomain/Topology/
Nodes('Chassis:SKY00201234567890123456789012345')",
  "Id": "Chassis:SKY00201234567890123456789012345",
  "Type": "CHASSIS",
  "ParentNodeId": null,
  "Location": null,
  "NodeInformation":
    {
      "@odata.type": "#NetworkService.NodeInformation",
      "Status": 4000,
      "MCMRole": "LEAD",
      "ServiceTag": "SKY00201234567890123456789012345",
      "DeviceId": 25003,
      "Model": "POWEREDGE MX7000",
      "PowerState": 17,
      "Name": "MX-SKY00201234567890123456789012345"
    },
  "ChildNodes@odata.navigationLink": "/api/NetworkService/MultiChassisDomain/
Topology/Nodes('Chassis:SKY00201234567890123456789012345')/ChildNodes"
}
```


/api/NetworkService/MultiChassisDomain/Topology/Nodes(Id)/ChildNodes

This URI represents the switch nodes for a specific chassis node in an MCM group.

GET method for ChildNodes in an MCM group

This method returns the list of switch nodes for a specific chassis node.

Description	Returns the switch nodes for a specific chassis node.
Privilege	VIEW

HTTP response codes 200

Example response body


```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.Node)",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#NetworkService.Node",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/Topology/
Nodes('Switch%3A1ZB1XC2')",
      "Id": "Switch:1ZB1XC2",
      "Type": "NETWORK_IOM",
      "ParentNodeId": "SKY00201234567890123456789012345",
      "Location": "IOM-B1",
      "NodeInformation":
        {
          "@odata.type": "#NetworkService.NodeInformation",
          "Status": 1000,
          "Type": "WeaverSwitch",
          "ServiceTag": "1ZB1XC2",
          "DeviceId": 25004,
          "Model": "MX9116n Fabric Engine",
          "Slot": "IOM-B1",
          "SwitchMode": "Fabric",
          "PowerState": 17,
          "Name": "IOM-B1"
        },
      "ChildNodes@odata.navigationLink": "/api/NetworkService/
MultiChassisDomain/Topology/Nodes('Switch%3A1ZB1XC2')/ChildNodes"
    },
    {
      "@odata.type": "#NetworkService.Node",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/Topology/
Nodes('Switch%3ADPM4XC1')",
      "Id": "Switch:DPM4XC1",
      "Type": "NETWORK_IOM",
      "ParentNodeId": "SKY00201234567890123456789012345",
      "Location": "IOM-B2",
      "NodeInformation":
        {
          "@odata.type": "#NetworkService.NodeInformation",
          "Status": 1000,
          "Type": "WeaverSwitch",
          "ServiceTag": "DPM4XC1",
          "DeviceId": 25005,
          "Model": "MX9116n Fabric Engine",
          "Slot": "IOM-B2",
          "SwitchMode": "Fabric",
          "PowerState": 17,
          "Name": "IOM-B2"
        },
      "ChildNodes@odata.navigationLink": "/api/NetworkService/
MultiChassisDomain/Topology/Nodes('Switch%3ADPM4XC1')/ChildNodes"
    }
  ]
}
```


NOTE: The `"Type": "WeaverSwitch"` attribute is applicable to MX9116N IOMs and `Type: "ModularSwitch"`, is applicable to MX5108N IOMs. The `"Type"` attribute is not applicable to FC and PassThrough IOMs.

/api/NetworkService/MultiChassisDomain/ValidationErrors

This URI represents the fabric validation errors in an MCM group.

GET method for ValidationErrors

This method returns the fabric validation errors in an MCM group.

Description	Returns the list of fabric validation errors.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkService.ValidationError)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/
ValidationErrors('43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-%5BICL-2_FORWARD
%5D-NotFound-Issue')",
      "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-[ICL-2_FORWARD]-
NotFound-Issue",
      "MessageId": "NFAB0012",
      "Category": "FabricError",
      "SubCategory": "ISLError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY00201234567890123456789012345",
      "ChassisServiceTag": "SKY00201234567890123456789012345",
      "Description": "Unable to validate the fabric because the design link
ICL-2_FORWARD not connected as per design 2NodeHESameChassis.",
      "ProblemLink":
      {
        "SourceNode": "DPM4XC1",
        "SourceInterface": "DPM4XC1:ethernet1/1/41",
        "DestinationNode": "1ZB1XC2",
        "DestinationInterface": "1ZB1XC2:ethernet1/1/41"
      },
      "RecommendedLink":
      {
        "SourceNode": "DPM4XC1",
        "SourceInterface": "DPM4XC1:ethernet1/1/41",
        "DestinationNode": "1ZB1XC2",
        "DestinationInterface": "1ZB1XC2:ethernet1/1/41"
      },
      "RecommendedAction": "Make sure that the links are connected as per
design.",
      "Timestamp": "1531280042"
    },
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/
ValidationErrors('43be623e-0d74-4f6d-87b3-3ea40bf6372d-Chassis-Issue')",
      "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-Chassis-Issue",
      "MessageId": "NFAB0009",
      "Category": "FabricError",
      "SubCategory": "PlacementError",
      "Severity": "Severity2",
      "ChassisName": "MX-SKY002P12345678901234567890123456",
      "ChassisServiceTag": "SKY002P12345678901234567890123456",
      "Description": "Unable to validate the network fabric because the HE
IOMs are in the same chassis.",
```

```
      "ProblemLink":
      {
        "SourceNode": "",
        "SourceInterface": "",
        "DestinationNode": "",
        "DestinationInterface": ""
      },
      "RecommendedLink":
      {
        "SourceNode": "",
        "SourceInterface": "",
        "DestinationNode": "",
        "DestinationInterface": ""
      },
      "RecommendedAction": "Make sure that the HE IOMs are in different
chassis",
      "Timestamp": "1531280042"
    },
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/
ValidationErrors('43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-%5BICL-1_FORWARD
%5D-NotFound-Issue')",
      "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-[ICL-1_FORWARD]-
NotFound-Issue",
      "MessageId": "NFAB0012",
      "Category": "FabricError",
      "SubCategory": "ISLError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY00201234567890123456789012345",
      "ChassisServiceTag": "SKY00201234567890123456789012345",
      "Description": "Unable to validate the fabric because the design link
ICL-1_FORWARD not connected as per design 2NodeHESameChassis.",
      "ProblemLink":
      {
        "SourceNode": "DPM4XC1",
        "SourceInterface": "DPM4XC1:ethernet1/1/42",
        "DestinationNode": "1ZB1XC2",
        "DestinationInterface": "1ZB1XC2:ethernet1/1/42"
      },
      "RecommendedLink":
      {
        "SourceNode": "DPM4XC1",
        "SourceInterface": "DPM4XC1:ethernet1/1/42",
        "DestinationNode": "1ZB1XC2",
        "DestinationInterface": "1ZB1XC2:ethernet1/1/42"
      },
      "RecommendedAction": "Make sure that the links are connected as per
design.",
      "Timestamp": "1531280042"
    },
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/
ValidationErrors('43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-%5BICL-2_REVERSE
%5D-NotFound-Issue')",
      "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-[ICL-2_REVERSE]-
NotFound-Issue",
      "MessageId": "NFAB0012",
      "Category": "FabricError",
      "SubCategory": "ISLError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY00201234567890123456789012345",
      "ChassisServiceTag": "SKY00201234567890123456789012345",
      "Description": "Unable to validate the fabric because the design link
ICL-2_REVERSE not connected as per design 2NodeHESameChassis.",
      "ProblemLink":
      {
        "SourceNode": "1ZB1XC2",
        "SourceInterface": "1ZB1XC2:ethernet1/1/41",
        "DestinationNode": "DPM4XC1",
        "DestinationInterface": "DPM4XC1:ethernet1/1/41"
```

```
      },
      "RecommendedLink":
      {
        "SourceNode": "1ZB1XC2",
        "SourceInterface": "1ZB1XC2:ethernet1/1/41",
        "DestinationNode": "DPM4XC1",
        "DestinationInterface": "DPM4XC1:ethernet1/1/41"
      },
      "RecommendedAction": "Make sure that the links are connected as per
design.",
      "Timestamp": "1531280042"
    },
    {
      "@odata.type": "#NetworkService.ValidationError",
      "@odata.id": "/api/NetworkService/MultiChassisDomain/
ValidationErrors('43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-%5BICL-1_REVERSE
%5D-NotFound-Issue')",
      "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-[ICL-1_REVERSE]-
NotFound-Issue",
      "MessageId": "NFAB0012",
      "Category": "FabricError",
      "SubCategory": "ISLError",
      "Severity": "Severity1",
      "ChassisName": "MX-SKY00201234567890123456789012345",
      "ChassisServiceTag": "SKY00201234567890123456789012345",
      "Description": "Unable to validate the fabric because the design link
ICL-1_REVERSE not connected as per design 2NodeHESameChassis.",
      "ProblemLink":
      {
        "SourceNode": "1ZB1XC2",
        "SourceInterface": "1ZB1XC2:ethernet1/1/42",
        "DestinationNode": "DPM4XC1",
        "DestinationInterface": "DPM4XC1:ethernet1/1/42"
      },
      "RecommendedLink":
      {
        "SourceNode": "1ZB1XC2",
        "SourceInterface": "1ZB1XC2:ethernet1/1/42",
        "DestinationNode": "DPM4XC1",
        "DestinationInterface": "DPM4XC1:ethernet1/1/42"
      },
      "RecommendedAction": "Make sure that the links are connected as per
design.",
      "Timestamp": "1531280042"
    }
  ]
}
```


/api/NetworkService/PortAdminStatuses

This URI represents the possible admin statuses of the ports.

GET method for PortAdminStatuses

This method returns the possible admin statuses of a port.

Description	Returns the possible admin statuses of a port.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkService.EnumerationEntry)",
  "@odata.count": 3,
```

```
  "value":
  [
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Disabled",
      "Name": "Disabled"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Enabled",
      "Name": "Enabled"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Unknown",
      "Name": "Unknown"
    }
  ]
}
```

/api/NetworkService/PortStatuses

This URI represents the possible statuses of the ports.

GET method for PortStatuses

This method returns the possible statuses of a port.

Description	Returns the possible statuses of a port.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkService.EnumerationEntry)",
  "@odata.count": 3,
  "value":
  [
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Disabled",
      "Name": "Disabled"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Enabled",
      "Name": "Enabled"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Unknown",
      "Name": "Unknown"
    }
  ]
}
```

/api/NetworkService/PortBlinkStatuses

This URI returns blink status information for ports.

GET method for /api/NetworkService/PortBlinkStatuses

This method returns the blink status information of ports.

Description	Returns blink status of the port
Privilege	
HTTP response code	200

Example response body

```
{
"@odata.context": "/api/
$metadata#Collection(NetworkService.EnumerationEntry)",
"@odata.count": 0,
"value":[
]
}
```

/api/NetworkService/PortRoles

This URI represents the possible roles of the ports.

GET method for PortRoles

This method returns the possible roles of a port.

Description	Returns the possible statuses of a port.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/
$metadata#Collection(NetworkService.EnumerationEntry)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Spinner",
      "Name": "Spinner"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Unknown",
      "Name": "Unknown"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "EndHost",
      "Name": "EndHost"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
      "Id": "Uplink",
      "Name": "Uplink"
    },
    {
      "@odata.type": "#NetworkService.EnumerationEntry",
```

```
      "Id": "ISL",
      "Name": "ISL"
    }
  ]
}
```

api/NetworkService/ServerProfileBondingTechnologies

This URI represents the server bonding technologies.

GET method for server bonding technologies

This method gets all applicable server bonding technologies.

Description	Gets all applicable server bonding technologies. Returns and empty list if the IOM containing the Fabric Manager.
Privilege	VIEW
HTTP Response Code	
Example response body	

```
{
    "@odata.context": "/api/
$metadata#Collection(NetworkService.EnumerationEntry)",
    "@odata.count": 3,
    "value": [
        {
            "@odata.type": "#NetworkService.EnumerationEntry",
            "Id": "LACP",
            "Name": "LACP"
        },
        {
            "@odata.type": "#NetworkService.EnumerationEntry",
            "Id": "NoTeaming",
            "Name": "NoTeaming"
        },
        {
            "@odata.type": "#NetworkService.EnumerationEntry",
            "Id": "Other",
            "Name": "Other"
        }
    ]
}
```

api/NetworkService/ServerProfiles

This URI lists all server profiles by ID and service tag.

GET method for server profiles

This method lists all server profiles by ID and service tag.

Description	Lists all server profiles by ID and service tag.
Privilege	
HTTP response code	200
Example response body	

```
{
"@odata.context": "/api/$metadata#Collection(NetworkService.ServerProfile)",
"@odata.count": 15,
"value":[
{
"@odata.type": "#NetworkService.ServerProfile",
```

```
"@odata.id": "/api/NetworkService/ServerProfiles('8ZJC0T2')",
"Id": "8ZJC0T2",
"ServerServiceTag": "8ZJC0T2",
"ServerInterfaceProfiles@odata.navigationLink": "/api/NetworkService/
ServerProfiles('8ZJC0T2')/ServerInterfaceProfiles"
},
{
"@odata.type": "#NetworkService.ServerProfile",
"@odata.id": "/api/NetworkService/ServerProfiles('FFN70T2')",
"Id": "FFN70T2",
"ServerServiceTag": "FFN70T2",
"ServerInterfaceProfiles@odata.navigationLink": "/api/NetworkService/
ServerProfiles('FFN70T2')/ServerInterfaceProfiles"
},
{
"@odata.type": "#NetworkService.ServerProfile",
"@odata.id": "/api/NetworkService/ServerProfiles('17T6BS2')",
"Id": "17T6BS2",
"ServerServiceTag": "17T6BS2",
"ServerInterfaceProfiles@odata.navigationLink": "/api/NetworkService/
ServerProfiles('17T6BS2')/ServerInterfaceProfiles"
},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('17Q7BS2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('17V6BS2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('96Q60T2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('FFJC0T2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('8YCF0T2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('17QFBS2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('96P80T2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('8ZKF0T2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('17WFBS2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('17LFBS2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('17MDBS2')",…},
{"@odata.type": "#NetworkService.ServerProfile", "@odata.id": "/api/
NetworkService/ServerProfiles('96NB0T2')",…}
]
}
```


api/NetworkService/ServerProfiles(Id)

This URI gets server profiles by their ID.

GET method for server profiles

This method returns server profiles, by IDs.

Description	Returns server profiles, by IDs.
Privilege	VIEW
HTTP response code	200
Example response body	


```
{
"@odata.context": "/api/$metadata#NetworkService.ServerProfile",
"@odata.type": "#NetworkService.ServerProfile",
"@odata.id": "/api/NetworkService/ServerProfiles('5099PH2')",
```

```
"Id": "5099PH2",
"ServerServiceTag": "5099PH2",
"BondingTechnology": "LACP",
"ServerInterfaceProfiles@odata.navigationLink": "/api/NetworkService/
ServerProfiles('5099PH2')/ServerInterfaceProfiles"
}
```

/api/NetworkService /ServerProfiles(arg1)

This URI is used to update the service tag of server profiles in the Fabric Manager.

GET method for updating server profile IDs

This method returns the service tag of the server profile.

Description	Returns the service tag of the server profile in the Fabric Manager.
Privilege	VIEW
Http response code	200
Example response body	

```
{    "@odata.context": /api/$metadata#NetworkService.ServerProfile/$entity",
     "@odata.type": "#NetworkService.ServerProfile",
     "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')",
     "Id": "PFSTN16",
     "ServerServiceTag": "PFSTN16",
     "ServerInterfaceProfiles@odata.navigationLink": "/api/NetworkService/
ServerProfiles('PFSTN16')/ServerInterfaceProfiles"
}
```

Table 162. Attributes

Attribute	Description
Id	Server profile identifier.
ServerServiceTag	Service tag of the server. **NOTE: When the server profile is created using the server deployment process, The server profile id gets set as the service tag of the server.**

PUT method for updating server profile IDs

This method updates the server profile IDs.

Description	Updates the server profile IDs. **NOTE: To run this URI you must have an existing server profile that is deployed using the server deployment workflow, in the system.**
Privilege	FABRIC_MANAGEMENT
HTTP response codes	201
Example request body	

```
{
 "Id": "ASFFFDS",
 "ServerServiceTag":"ASFFFDS",
 "BondingTechnology": "LACP",
 "ServerInterfaceProfiles": [{
  "Id": "NIC.Mezzanine.1A-1-1",
  "NicBonded": false,
  "NativeVLAN": 2
```

```
  },
  {
   "Id": "NIC.Mezzanine.1A-2-1",
   "NativeVLAN": 1,
   "NicBonded": false,
   "Networks": [{
    "Id": 10111
   }]
  }]
}
```

Example response body

```
true
```

Table 163. Attributes

Attribute	Description
Id	Server profile identifier.
ServerServiceTag	Service tag of the server.
ServerInterfaceProfiles	Sub payload that takes information that is associated with a server NIC. The request can take one or more server interface profiles, as part of the payload.
ServerInterfaceProfiles/Id	Server NIC identifier.
ServerInterfaceProfiles/NativeVLAN	Untagged VLAN configured for the given NIC.
ServerInterfaceProfiles/Networks/Id	Tagged VLANs configured for the given NIC. The input that is required here is the identifier of the NW profile with which you want to associate the NIC. For more information about Network model definitions, see Network Configuration Service.
BondingTechnology	Indicates the NIC bonding technology that is configured for the server profile. Enables the NIC teaming type that you want to configure for a profile. The supported options are: • None • LACP • NoTeaming
NicBonded	Indicates if the given NIC port participates in the NIC teaming. It is a binary attribute.

/api/NetworkService /ServerProfiles(arg1)/ ServerInterfaceProfiles

This URI returns the server interface profiles that are configured for a server profile in the Fabric Manager.

GET method for server interface profiles

This method returns the server interface profiles.

Description	Returns the server interface profiles that are configured for a server profile in the Fabric Manager.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "/api/
$metadata#Collection(NetworkService.ServerInterfaceProfile)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#NetworkService.ServerInterfaceProfile",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')",
            "Id": "NIC.Mezzanine.1A-1-1",
            "OnboardedPort": "GQ61XC2:ethernet1/1/4",
            "NativeVLAN": 18,
            "Networks@odata.count": 2,
            "Networks": [
                {
                    "@odata.type": "#NetworkConfigurationService.Network",
                    "@odata.id": "/api/NetworkService/
ServerProfiles('PFSTN16')/ServerInterfaceProfiles/Networks(25076)",
                    "Id": 25076,
                    "Name": "10",
                    "Description": "10",
                    "VlanMaximum": 10,
                    "VlanMinimum": 10,
                    "Type": 1,
                    "CreatedBy": "system",
                    "CreationTime": "1970-01-31 00:08:21.946",
                    "UpdatedBy": null,
                    "UpdatedTime": "1970-01-31 00:08:21.946",
                    "InternalRefNWUUId": "991f2843-376e-49f3-a407-
e5118f1d85ba"
                },
…
            ]
        },
        {
            "@odata.type": "#NetworkService.ServerInterfaceProfile",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-2-1')",
            "Id": "NIC.Mezzanine.1A-2-1",
            "OnboardedPort": "8T61XC2:ethernet1/1/4",
            "NativeVLAN": 0,
            "Networks@odata.count": 0,
            "Networks": []
        }
    ]
}
```

Table 164. Attributes

Attribute	Description
Id	Server interface profile identifier.
OnboardedPort	IOM port that is connected to the NIC that is onboarded.
NativeVLAN	Untagged VLAN configured for the given NIC.
Networks	Tagged VLANs configured for the NIC. This information is encapsulated as NW profiles. For more information on Network model definitions, refer to Network Configuration Service.

/api/NetworkService /ServerProfiles(arg1)/ ServerInterfaceProfiles(arg2)

This URI returns the server profile ID of a server profile in the Fabric Manager.

GET method for server interface profile IDs

This method returns server interface profile IDs.

Description	Returns server interface profile ID of a server profile in the Fabric Manager.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
    "@odata.context": "/api/$metadata#NetworkService.ServerInterfaceProfile/
$entity",
    "@odata.type": "#NetworkService.ServerInterfaceProfile",
    "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-2-1')",
    "Id": "NIC.Mezzanine.1A-2-1",
    "OnboardedPort": "8T61XC2:ethernet1/1/4",
    "NativeVLAN": 0,
    "Networks@odata.count": 0,
    "Networks": []
```

/api/NetworkService/ServerProfiles(arg1)/ ServerInterfaceProfiles(arg2)/Networks(arg3)

This URI returns the configured tagged VLANs for a server profile in the Fabric Manager.

GET method for tagged VLANs of a specific server interface profile

This method returns configured tagged VLANs.

Description	Returns the tagged VLANs that are configured for a server interface profile.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
    "@odata.context": "/api/$metadata#NetworkConfigurationService.Network/
$entity",
    "@odata.type": "#NetworkConfigurationService.Network",
    "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')/Networks(25076)",
    "Id": 25076,
    "Name": "10",
    "Description": "10",
    "VlanMaximum": 10,
    "VlanMinimum": 10,
    "Type": 1,
    "CreatedBy": "system",
    "CreationTime": "1970-01-31 00:08:21.946",
    "UpdatedBy": null,
    "UpdatedTime": "1970-01-31 00:08:21.946",
    "InternalRefNWUUId": "991f2843-376e-49f3-a407-e5118f1d85ba"
}
```

/api/NetworkService /ServerProfiles(arg1)/ ServerInterfaceProfiles(arg2)/Networks

This URI returns tagged VLANs that are configured for server profiles.

GET method for tagged VLANs configured for server interface profiles

This method returns all tagged VLANs of a server interface profile.

Description	Returns all tagged VLANs that were configured for a specific server interface profile in the Fabric Manager.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
    "@odata.context": "/api/
$metadata#Collection(NetworkConfigurationService.Network)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#NetworkConfigurationService.Network",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')/Networks(25076)",
            "Id": 25076,
            "Name": "10",
            "Description": "10",
            "VlanMaximum": 10,
            "VlanMinimum": 10,
            "Type": 1,
            "CreatedBy": "system",
            "CreationTime": "1970-01-31 00:08:21.946",
            "UpdatedBy": null,
            "UpdatedTime": "1970-01-31 00:08:21.946",
            "InternalRefNWUUId": "991f2843-376e-49f3-a407-e5118f1d85ba"
        },
        {
            "@odata.type": "#NetworkConfigurationService.Network",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')/Networks(25077)",
            "Id": 25077,
            "Name": "15",
            "Description": "15",
            "VlanMaximum": 15,
            "VlanMinimum": 15,
            "Type": 4,
            "CreatedBy": "system",
            "CreationTime": "1970-01-31 00:08:21.963",
            "UpdatedBy": null,
            "UpdatedTime": "1970-01-31 00:08:21.963",
            "InternalRefNWUUId": "af00526c-4869-4a50-b170-1ff530b07b3f"
        }
    ]
}
```


For more information on Network model definitions, refer to Network Configuration Service.

api/NetworkService/ServerProfiles(Id)/ ServerInterfaceProfiles

This URI gets a list of server interface profiles by server profile IDs.

GET method for server interface profiles

This method gets the server interface profiles by server profile IDs.

Description	
Privilege	VIEW
HTTP Response Code	
Response	

/api/NetworkService/Actions/ NetworkService.ApplyServersInterfaceProfiles

This URI updates one or more server profile IDs at a time.

You can also use this URI to set multiple server profiles at a time. A job is created in the OME - Modular web interface to track the progress of the server profile configuration task.

NOTE: To run the API, you must have an existing server profile, which is deployed using the server deployment process, in the system.

POST method for updating multiple server profile IDs

This method updates the IDs of server profiles.

Description	Updates the server profile IDs.
Privilege	FABRIC_MANAGEMENT
HTTP response code	200

Example request body

```
[{
 "Id": "ASFFFDS",
 "ServerServiceTag":"ASFFFDS",
 "BondingTechnology": "LACP",
 "ServerInterfaceProfiles": [{
  "Id": "NIC.Mezzanine.1A-1-1",
  "NicBonded": false,
  "NativeVLAN": 2
 },
 {
  "Id": "NIC.Mezzanine.1A-2-1",
  "NativeVLAN": 1,
  "NicBonded": false,
  "Networks": [{
   "Id": 10111
  }]
 }]
}]
```

Example response body

```
{
    "JobId": 12984
}
```

Table 165. Attributes

Attribute	Description
JobId	ID of the job that is created as part of the request. You can track the progress of the request using the Job ID.
BondingTechnology	Indicates the NIC bonding technology that is configured for the server profile. Enables the NIC teaming type that you want to configure for a profile. The supported options are: • LACP • Others • NoTeaming
NicBonded	Indicates if the given NIC port participates in the NIC teaming. It is a binary attribute.

/api/NetworkService/Actions/NetworkService.ModifyServerProfiles

This URI enables applying a server profile to one or many servers profiles, by the service tag. To run this API, you must have a server profile , which is deployed using the server deployment process, on the system.

POST method for modifying profiles

This method enables applying a configuration to one or many servers.

Description Applies a configuration to one or many servers.

Privilege FABRIC_MANAGEMENT

HTTP response code 200

Example request body

```
{
   "ServersServiceTag":["PFSTN16","PFSTN17","PFSTN18"],
   "ServerProfile":{
      "BondingTechnology":"LACP",
      "ServerInterfaceProfiles":[
         {
            "Id":"NIC.Mezzanine.1A-2-1",
            "NicBonded":true,
            "NativeVLAN":2,
            "Networks":[
               {"Id":25077},
               {"Id":25080}
            ]
         },
         {
            "Id":"NIC.Mezzanine.1A-1-1",
            "NicBonded":true,
            "Networks":[ {"Id":27372}]
         }
      ]
   }
}
```

Example response body

```
{
    "JobId": 25546
}
```

Table 166. Attributes

Attribute	Description
JobId	ID of the job that is created as part of the request. You can track the progress of the request using the Job ID.
BondingTechnology	Indicates the NIC bonding technology that is configured for the server profile. Enables the NIC teaming type that you want to configure for a profile. The supported options are: • LACP • Others • NoTeaming
NicBonded	Indicates if the given NIC port participates in the NIC teaming. It is a binary attribute.

/api/NetworkService/Actions/NetworkService.AddServerNetworks

This API enables you to append network profiles in an existing interface profile for one or many targeted servers.

POST method for adding server networks

This method enables you to append network profiles in an existing interface profile for one or many targeted servers. To run this API, you must have a server profile with NICs that are deployed using the server deployment process, on the system.

Description Enables you to append network profiles in an existing interface profile for one or many targeted servers.

Privilege FABRIC_MANAGEMENT

HTTP Response Code 200

Example request body

```
{
   "ServersServiceTag":["PFSTN16","PFSTN17","PFSTN18"],
   "ServerProfile":{
      "ServerInterfaceProfiles":[
         {
            "Id":"NIC.Mezzanine.1A-2-1",
            "Networks":[
               {"Id":25077},
               {"Id":25080}
            ]
         },
         {
            "Id":"NIC.Mezzanine.1A-1-1",
            "Networks":[ {"Id":27372}]
         }
      ]
   }
}
```

Example response body

```
{
    "JobId": 25546
}
```

/api/NetworkService/Actions/NetworkService.DeleteServerNetworks

This API enables you to delete network profiles from an existing interface profile for one or many targeted servers.

POST method for deleting server networks

This method enables you to delete network profiles from an existing interface profile for one or many targeted servers. To run this API, you must have a server profile with NICs that were deployed using the server deployment process, on the system.

Description	Deletes network profiles from an existing interface profile for one or many targeted servers.
Privilege	FABRIC_MANAGEMENT
HTTP Response Code	200

Example request body

```
{
   "ServersServiceTag":["PFSTN16","PFSTN17","PFSTN18"],
   "ServerProfile":{
      "ServerInterfaceProfiles":[
         {
            "Id":"NIC.Mezzanine.1A-2-1",
            "Networks":[
               {"Id":25077},
               {"Id":25080}
            ]
         },
         {
            "Id":"NIC.Mezzanine.1A-1-1",
            "Networks":[ {"Id":27372}]
         }
      ]
   }
}
```

Example response body

```
{
    "JobId": 25546
}
```

/api/NetworkService/FeatureCapabilities

This API gets all feature capabilities of the IOM running Fabric Manager.

GET method for feature capabilities

This method gets all feature capabilities of the IOMs running Fabric Manager. To run this API, you must have an existing server profile with NICs that were deployed using the server deployment process, on the system.

Description	Gets all feature capabilities of IOMs running Fabric Manager.
Privilege	VIEW
HTTP Response Code	200

Example response body

```
{
    "@odata.context": "/api/
$metadata#Collection(NetworkService.FeatureCapability)",
    "@odata.count": 4,
    "value": [
        {
            "@odata.type": "#NetworkService.FeatureCapability",
            "Name": "ServerBondingConfiguration"
```

```
        },
        {
            "@odata.type": "#NetworkService.FeatureCapability",
            "Name": "PortVLANConfiguration"
        },
        {
            "@odata.type": "#NetworkService.FeatureCapability",
            "Name": "FabricLLDPConfiguration"
        },
        {
            "@odata.type": "#NetworkService.FeatureCapability",
            "Name": "FCoEUplinkUntaggedVlanConfiguration"
        }
    ]
}
```

Port configuration in Fabrics

/api/JobService/Jobs

This URI enables you to configure the ports in fabrics.

Port configuration operation

The APIs in this group use the Job Service and leverage existing inputs. You can change the parameters and targets, as shown in the examples.

POST method for configuring MTU

This method configures the MTU range.

Description	Configures the minimum and maximum MTU values.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	201
Example request body	

```
"Params":
[
  {
    "Key":"operationName",
    "Value":"CONFIGURE_MTU"
  },
  {
    "Key":"interfaceId",
    "Value":"GF86XC2:1/1/9,GF86XC2:1/1/10"
  },
  {
    "Key":"mtuSize",
    "Value":"1532"
  }
],
"Targets":
[
  {
    "Id":2664,
    "Data":"",
    "TargetType":
    {
      "Id":4000,
      "Name":"DEVICE"
    }
  }
```

```
]
```

POST method for enabling or disabling auto-negotiation

This method enables or disables auto-negotiation.

Description	Enables or disables auto-negotiation.
Privilege	DEVICE_CONFIGURATION
HTTP response code	201

Example request body

```
{
    "JobName": "Toggle AutoNeg",
    "JobDescription": null,
    "Schedule": "startnow",
    "State": "Enabled",
    "CreatedBy": "root",
    "Targets": [
        {
            "Id": 11881,
            "Data": "",
            "TargetType": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        }
    ],
    "Params": [
        {
            "Key": "enableInterfaceIds",
            "Value": "D23RPK2:ethernet1/1/42"
        },
        {
            "Key": "disableInterfaceIds",
            "Value": "D23RPK2:ethernet1/1/43,D23RPK2:ethernet1/1/4    4"
        },
        {
            "Key": "operationName",
            "Value": "TOGGLE_AUTONEG_STATUS"
        }
    ],
    "JobType": {
        "@odata.type": "#JobService.JobType",
        "Name": "DeviceAction_Task"
    }
}
```

POST method for updating port name and description

This method updates the port name and description.

Description	Updates port name and description.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	201

Example request body

```
"Params":
[
  {
    "Key":"operationName",
    "Value":"CONFIGURE_PORT_NAME_DESCRIPTION"
  },
```

```
  {
    "Key":"interfaceId",
    "Value":"GF86XC2:1/1/9"
  },
  {
    "Key":"name",
    "Value":"Port A"
  },
  {
    "Key":"description",
    "Value":"This is Port A."
  }
],
"Targets":
[
  {
    "Id":2664,
    "Data":"",
    "TargetType":
      {
        "Id":4000,
        "Name":"DEVICE"
      }
  }
]
```

POST method for configuration port speed or breakout

This method configures the port speed or breakout.

Description	Configures the port speed or breakout.
Privilege	DEVICE_CONFIGURATION
HTTP response code	201

Example request body

```
{
    "JobName": "Rest-Breakout Port",
    "JobDescription": null,
    "Schedule": "startnow",
    "State": "Enabled",
    "CreatedBy": "root",
    "Targets": [
        {
            "Id": 11881,
            "Data": "",
            "TargetType": {
                "Id": 1000,
                "Name": "DEVICE"
            }
        }
    ],
    "Params": [
        {
            "Key": "breakoutType",
            "Value": "1X40GE"
        },
        {
            "Key": "interfaceId",
            "Value": "D23RPK2:port-group1/1/16"
        },
        {
            "Key": "operationName",
            "Value": "CONFIGURE_PORT_BREAK_OUT"
        }
    ],
    "JobType": {
        "@odata.type": "#JobService.JobType",
```

```
        "Id": 3,
        "Name": "DeviceAction_Task",
        "Internal": false
    }
}
```

Table 167. Attributes

Attribute name	Description
TargetType (Id)	Network IOM device ID.
InterfaceId	Port name.
Key	Operation name. Depending on the type of configuration you want to perform, select the operation name as provided in the Input snippet.

NOTE: Ensure that you see the right parameters in the provided Input snippet. For example, for configuring MTU speed, use *Speed* as the key and *1000* as the value.

Storage management

These APIs enable you to perform storage-management operations in OME–Modular. The URI for these operation is `/api/JobService/Jobs`.

Assign enclosure

POST method for enclosure assignment

Description Creates a job to assign the entire storage in an enclosure to one or more server slots.

Privilege STORAGE_MANAGEMENT

HTTP response codes 201

Example request body

```
{
  "JobName":"Storage Assignment",
  "JobDescription":"Storage Assignment Job",
  "Schedule":"startnow",
  "State":"Enabled",
  "JobType":
    {
      "Id":3,
      "Name":"DeviceAction_Task"
     },
  "Params":
  [
    {
      "Key":"operationName",
      "Value":"ASSIGN_STORAGE"
    },
    {
      "Key":"assignmentMode",
       "Value":"1"
    },
    {
      "Key":"serverSlots",
      "Value": <Server Slots e.g "3,4">
    }
  ],
  "Targets":
```

```
  [
    {
      "Id":<Insight/Storage Sled Device Id>,
      "Data":"",
      "TargetType":
        {
          "Id":1000,
          "Name":"DEVICE"
        }
    }
  ]
}
```

Clear enclosure assignment

POST method for clearing enclosure assignment

Description Creates a job to clear the storage assignments in Enclosure Assigned mode.

Privilege STORAGE_MANAGEMENT

HTTP response codes 201

Example request body

```
{
   "JobName":"Storage Assignment Task 48",
   "JobDescription":"Storage Assignment Task",
   "Schedule":"startnow",
   "State":"Enabled",
   "JobType":{
      "Id":3,
      "Name":"DeviceAction_Task"
   },
   "Params":[
      {
         "Key":"operationName",
         "Value":"CLEAR_STORAGE_ASSIGNMENT"
      },
      {
         "Key":"assignmentMode",
         "Value":"1"
      }
   ],
   "Targets":[
      {
         "Id":<Insight/Storage Sled Device Id>,
         "Data":"",
         "TargetType":{
            "Id":1000,
            "Name":"DEVICE"
         }
      }
   ]
}
```

Assign drives

POST method for drive assignment

Description Creates a job to assign individual storage drives to server slots.

Privilege	STORAGE_MANAGEMENT
HTTP response codes	201

Example request body

```
{
   "JobName":"Storage Assignment Task 48",
   "JobDescription":"Storage Assignment Task",
   "Schedule":"startnow",
   "State":"Enabled",
   "JobType":{
      "Id":3,
      "Name":"DeviceAction_Task"
   },
   "Params":[
      {
         "Key":"operationName",
         "Value":"ASSIGN_STORAGE"
      },
      {
         "Key":"assignmentMode",
         "Value":"2"
      },
      {
         "Key":"driveSlotIds",
         "Value":<Drive Slot Ids e.g "0,1,2,..15">
      },
      {
         "Key":"serverSlots",
         "Value":  <Server Slots e.g "1">
      }
   ],
   "Targets":[
      {
         "Id":<Insight/Storage Sled Device Id>,
         "Data":"",
         "TargetType":{
            "Id":1000,
            "Name":"DEVICE"
         }
      }
   ]
}
```

Clear drive assignment

POST method for clearing drive assignment

Description	Creates a job to clear drive assignments to server slots.
Privilege	STORAGE_MANAGEMENT
HTTP response codes	201

Example request body

```
{
   "JobName":"Storage Assignment",
   "JobDescription":"Storage Assignment Task",
   "Schedule":"startnow",
   "State":"Enabled",
   "JobType":{
      "Id":3,
      "Name":"DeviceAction_Task"
   },
```

```
   "Params":[
      {
         "Key":"operationName",
         "Value":"CLEAR_STORAGE_ASSIGNMENT"
      },
      {
         "Key":"assignmentMode",
         "Value":"2"
      },
      {
         "Key":"driveSlotIds",
         "Value":<Drive Slot Ids e.g "0,1,2,..15">
      }
   ],
   "Targets":[
      {
         "Id":<Insight/Storage Sled Device Id>,
         "Data":"",
         "TargetType":{
            "Id":1000,
            "Name":"DEVICE"
         }
      }
   ]
}
```

Force-activate a SAS IOM

POST method for force-activating a SAS IOM

Description	Creates a job to force-activate a SAS IOM.
Privilege	STORAGE_MANAGEMENT
HTTP response codes	201

Example request body

```
{
  "JobName": "Force Active",
  "JobDescription": "Force Active IOM",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType":
    {
      "Id": 3,
      "Name": "DeviceAction_Task"
    },
    "Params":
    [
      {
        "Key": "operationName",
        "Value": "FORCE_ACTIVE"
      }
    ],
    "Targets":
    [
      {
        "Id":<Degraded IOM Device Id>,
        "Data":"",
        "TargetType":
          {
            "Id": 1000,
            "Name": "DEVICE"
          }
      }
```

```
    ]
}
```

Clear configuration on SAS IOM

POST method for clearing SAS IOM configuration

Description	Creates a job to clear the configuration on SAS IOM.
Privilege	STORAGE_MANAGEMENT
HTTP response codes	201

Example request body

```
{
  "JobName": "Clear Config",
  "JobDescription": "Clear Storage IOM Config",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType":
    {
      "Id": 3,
      "Name": "DeviceAction_Task"
    },
  "Params":
  [
    {
      "Key": "operationName",
      "Value": "CLEAR_CONFIG"
    }
  ],
  "Targets":
  [
    {
      "Id":<Active IOM Device Id>,
      "Data":"",
      "TargetType":
        {
          "Id": 1000,
          "Name": "DEVICE"
        }
    }
  ]
}
```

Extract SAS IOM logs to NFS share

POST method for exporting SAS IOM logs to NFS share

Description	Creates a job to extract logs from SAS IOM to a NFS share.
Privilege	STORAGE_MANAGEMENT
HTTP response codes	201

Example request body

```
{
  "Id": 0,
```

```
  "JobName": "Extract Log",
  "JobDescription": "Extract device log to NFS location",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType": {
    "Id": 18,
    "Name": "DebugLogs_Task"
  },
  "Targets": [
    {
      "Id": <iom-device-id>e.g: 2614,
      "Data": "",
      "TargetType": {
        "Id": 1000,
        "Name": "DEVICE"
      }
    }
  ],
  "Params": [
    {
      "Key": "OPERATION_NAME",
      "Value": "EXTRACT_LOGS"
    },
    {
      "Key": "shareAddress",
      "Value": <NFS Share address> e.g: "100.100.100.100"
    },
    {
      "Key": "shareName",
      "Value": <NFS Share Name> e.g: "/var/nfsshare"
    },
    {
      "Key": "shareType",
      "Value": "NFS"
    }
  ]
}
```

Extract SAS IOM logs to CIFS share

POST method for exporting SAS IOM logs to CIFS share

Description Creates a job to extract logs from SAS IOM to an CIFS share.

Privilege STORAGE_MANAGEMENT

HTTP response codes 201

Example request body

```
{
  "Id": 0,
  "JobName": "Extract Log",
  "JobDescription": "Extract device log to CIFS location",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType": {
    "Id": 18,
    "Name": "DebugLogs_Task"
  },
  "Targets": [
    {
      "Id": <iom-device-id>e.g: 2614,
      "Data": "",
      "TargetType": {
        "Id": 1000,
```

```
        "Name": "DEVICE"
      }
    }
  ],
  "Params": [
    {
      "Key": "OPERATION_NAME",
      "Value": "EXTRACT_LOGS"
    },
    {
      "Key": "shareAddress",
      "Value": <CIFS Share address> e.g: "100.100.100.100"
    },
    {
      "Key": "shareName",
      "Value": "/var/cifs"
    },
    {
      "Key": "shareType",
      "Value": "CIFS"
    },
    {
      "Key": "userName",
      "Value": "<UserName>"
    },
    {
      "Key": "password",
      "Value": "<Password>"
    },
    {
      "Key": "domainName",
      "Value": "<domain>"
    }
  ]
}
```

Quick Deploy

/api/JobService/Jobs

This URI represents Quick-Deploy jobs.

POST method for Quick-Deploy Jobs

This method creates a Quick-Deploy job.

Description	Creates a Quick-Deploy job.
Privilege	JOB_MANAGEMENT
HTTP response codes	201
Example request body	

```
{
   "Id":0,
   "JobName":"Quick Deploy Task 1",
   "JobDescription":"Quick Deploy Task",
   "Schedule":"startnow",
   "State":"Enabled",
   "JobType":{
      "Id":27,
      "Name":"QuickDeploy_Task"
   },
   "Params":[
```

```
        {
        "Key":"operationName",
        "Value":"SERVER_QUICK_DEPLOY"
      },
      {
        "Key":"deviceId",
        "Value":"1016"
      },
      {
        "Key":"rootCredential",
        "Value":"calvin"
      },
      {
        "Key":"networkTypeV4",
        "Value":"Static"
      },
      {
        "Key":"protocolTypeV4",
        "Value":"true"
      },
      {
        "Key":"subnetMaskV4",
        "Value":"255.255.255.0"
      },
      {
        "Key":"gatewayV4",
        "Value":"255.255.255.0"
      },
      {
        "Key":"networkTypeV6",
        "Value":"Static"
      },
      {
        "Key":"protocolTypeV6",
        "Value":"true"
      },
      {
        "Key":"prefixLength",
        "Value":"0"
      },
      {
        "Key":"gatewayV6",
        "Value":"255.255.255.0"
      },
      {
        "Key":"SlotId=1",

"Value":"SlotSelected=true;SlotType=3000;IPV4Address=10.27.0.1;IPV6Address=ax0"
      },
      {
        "Key":"SlotId=2",

"Value":"SlotSelected=true;SlotType=2000;IPV4Address=10.35.0.25;IPV6Address="
      }
    ]
}
```

Example response body

```
{
     "Id": 0,
     "JobName": "Quick Deploy Task 1",
     "JobDescription": "Quick Deploy Task",
     "Schedule": "startnow",
     "State": "Enabled",
     "JobType": {
          "Id": 27,
          "Name": "QuickDeploy_Task"
  },
     "Params": [
        {
```

```
                "Key": "operationName",
                "Value": "SERVER_QUICK_DEPLOY"
            },
            {
                "Key": "deviceId",
                "Value": "1016"
            },
            {
                "Key": "rootCredential",
                "Value": "calvin"
            },
            {
                "Key": "networkTypeV4",
                "Value": "Static"
            },
            {
                "Key": "protocolTypeV4",
                "Value": "true"
            },
            {
                "Key": "subnetMaskV4",
                "Value": "255.255.255.0"
            },
            {
                "Key": "gatewayV4",
                "Value": "255.255.255.0"
            },
            {
                "Key": "networkTypeV6",
                "Value": "Static"
            },
            {
                "Key": "protocolTypeV6",
                "Value": "true"
            },
            {
                "Key": "prefixLength",
                "Value": "0"
            },
            {
                "Key": "gatewayV6",
                "Value": "255.255.255.0"
            },
            {
                "Key": "SlotId=1",
                "Value":
"SlotSelected=true;SlotType=3000;IPV4Address=10.27.0.1;IPV6Address=ax0"
            },
            {
                "Key": "SlotId=2",
                "Value":
"SlotSelected=true;SlotType=2000;IPV4Address=10.35.0.25;IPV6Address="
            }
        ]
}
```

Table 168. Attributes

Attribute name	Description
Id	ID of job. The default ID for POST is 0.
JobName	Name of the Quick-Deploy Job.
JobDescription	Description of the Quick-Deploy Job.
Schedule	The schedule to start the Job. Quick-Deploy is *startnow*.
State	Indicates if the job is enabled or disabled.
JobType	

Table 168. Attributes (continued)

Attribute name	Description
Id	ID of the job type.
Name	Name of the job type.
Params	
operationName	Name of the Quick-Deploy operation.
deviceId	Device ID indicates the Chassis ID.
rootCredential	Root user password.
networkTypeV4	Indicates if the IPv4 is static or dynamic.
protocolTypeV4	Indicates whether IPv4 protocol is selected.
subnetMaskV4	IPv4 Subnetwork mask associated with the configuration. Applicable when static IPv4 is selected.
gatewayV4	IPv4 gateway IP associated with the configuration. Applicable when static IPv4 is selected.
networkTypeV6	Indicates if the IPv6 is static or dynamic.
protocolTypeV6	Indicates whether IPv6 protocol is selected.
prefixLength	Used for IPv6 subnet mask. Applicable when static IPv6 is selected.
gatewayV6	IPv6 gateway IP associated with the configuration. Applicable when static IPv6 is selected.
SlotId=<slot_id>	Indicates the slot where the settings are applied if slot selected is True. Example: `SlotSelected=true;SlotType=3000;IPV4Address=10.27.0.1;IPV6Address=ax0` • SlotSelected=*true* or *false*. Indicates if the slot is selected for applying Quick Deploy. • SlotType = The type of slot. • Sled type is 2000. • IPV4Address = IPV4 address to be set at slot level. • PV6Address = IPV6 address to be set at slot level.

Server NIC VLAN configuration

After a template is deployed on one or more servers with VLAN configurations, if you make a mistake or want to change the VLAN configurations on the Fabric Manager, perform the deployment process again. The process consists of deploying the template and configuring VLAN in the Fabric Manager.

The Server NIC VLAN configuration APIs enable you to configure VLANs directly in the Fabric Manager for a server. To configure the VLANs in the target fabric, click **Fabric** > **Overview** > **Servers**.

/api/NetworkService /ServerProfiles(arg1)

This URI represents the server profile information.

GET method for server profiles

This method returns the server information about the server profile set on the Fabric Manager.

Description	Returns the service tag of the server in a server profile on the Fabric Manager.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{    "@odata.context": /api/$metadata#NetworkService.ServerProfile/$entity",
    "@odata.type": "#NetworkService.ServerProfile",
    "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')",
    "Id": "PFSTN16",
    "ServerServiceTag": "PFSTN16",
    "ServerInterfaceProfiles@odata.navigationLink": "/api/NetworkService/
ServerProfiles('PFSTN16')/ServerInterfaceProfiles"
}
```

Table 169. Attributes

Attribute	Description
Id	Identifier of the server profile.
ServerServiceTag	Service tag of the server. **NOTE: When the server profile is created using the server deployment process, the server profile id gets set as the service tag of the server.**

PUT method for server profiles

This method updates the server profile by ID.

To run `/api/NetworkService /ServerProfiles(arg1)`, you must have an existing server profile that is deployed on the system using the server deployment process.

Description	Updates the server profile.
Privilege	FABRIC_MANAGEMENT
HTTP Response Code	201
Example request body	

```
{
    "Id": "PFSTN16",
    "ServerServiceTag":"PFSTN16",
    "ServerInterfaceProfiles": [{
        "Id": "NIC.Mezzanine.1-2-1",
        "NativeVLAN":25,
        "Networks": [{
            "Id": 25365
        },
        {
            "Id": 25484
        }]
    },
    {
        "Id": "NIC.Mezzanine.1-1-1"
    }]
```

```
}
```

Example response body

```
true
```

Table 170. Attributes

Attribute	Description
Id	Server profile identifier.
ServerServiceTag	Service tag of the server. **NOTE: When the server profile is created using the server deployment process, the server profile id gets set as the service tag of the server.**
ServerInterfaceProfiles	Sub payload, that takes information that is associated with a server NIC. The request can take one or more ServerInterfaceProfiles, as part of the payload.
ServerInterfaceProfiles/Id	Server NIC identifier.
ServerInterfaceProfiles/NativeVLAN	The untagged VLAN configured for a NIC.
ServerInterfaceProfiles/Networks/Id	The tagged VLANs configured for a NIC. The input that is required here is the identifier of the network profile, with which you want to associate the NIC.

/api/NetworkService /ServerProfiles(arg1)/ ServerInterfaceProfiles

This URI represents the server interface profiles information.

GET method for Server Interface profiles

This method returns all server interface profiles that are configured for a server on the Fabric Manager.

Description Returns all server interface profiles that are configured for a server profile.

Privilege VIEW

HTTP Response Code 200

Example response body

```
{
    "@odata.context": "/api/
$metadata#Collection(NetworkService.ServerInterfaceProfile)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#NetworkService.ServerInterfaceProfile",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')",
            "Id": "NIC.Mezzanine.1A-1-1",
            "OnboardedPort": "GQ61XC2:ethernet1/1/4",
            "NativeVLAN": 18,
            "Networks@odata.count": 2,
            "Networks": [
                {
                    "@odata.type": "#NetworkConfigurationService.Network",
                    "@odata.id": "/api/NetworkService/
```

```
ServerProfiles('PFSTN16')/ServerInterfaceProfiles/Networks(25076)",
                    "Id": 25076,
                    "Name": "10",
                    "Description": "10",
                    "VlanMaximum": 10,
                    "VlanMinimum": 10,
                    "Type": 1,
                    "CreatedBy": "system",
                    "CreationTime": "1970-01-31 00:08:21.946",
                    "UpdatedBy": null,
                    "UpdatedTime": "1970-01-31 00:08:21.946",
                    "InternalRefNWUUId": "991f2843-376e-49f3-a407-
e5118f1d85ba"
                },
…
            ]
        },
        {
            "@odata.type": "#NetworkService.ServerInterfaceProfile",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-2-1')",
            "Id": "NIC.Mezzanine.1A-2-1",
            "OnboardedPort": "8T61XC2:ethernet1/1/4",
            "NativeVLAN": 0,
            "Networks@odata.count": 0,
            "Networks": []
        }
    ]
}
```


Table 171. Attributes

Attribute	Description
Id	NIC profile identifier.
OnboardedPort	IOM port that connected to the onboarded NIC.
NativeVLAN	Untagged VLAN configured for the NIC.

/api/NetworkService /ServerProfiles(arg1)/ ServerInterfaceProfiles(arg2)

This URI represents the server interface profiles information that is configured for a server profile on the Fabric Manager.

GET method for NetworkService.ServerInterfaceProfiles(arg2)

This method returns information of a server profile that is configured on the Fabric Manager.

Description	Returns the server profile information by ID.
Privilege	VIEW
HTTP Response Code	200
Example response body	


```
{
    "@odata.context": "/api/$metadata#NetworkService.ServerInterfaceProfile/
$entity",
    "@odata.type": "#NetworkService.ServerInterfaceProfile",
    "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-2-1')",
    "Id": "NIC.Mezzanine.1A-2-1",
    "OnboardedPort": "8T61XC2:ethernet1/1/4",
    "NativeVLAN": 0,
    "Networks@odata.count": 0,
```

```
    "Networks": []
}
```

/api/NetworkService /ServerProfiles(arg1)/ ServerInterfaceProfiles(arg2)/Networks

This URI represents the network profile information that is configured for server profiles.

GET method for network service

This method returns the information about the tagged VLAN network for server interface profiles.

Description	Returns the all tagged VLANs that are configured for a server interface profile on Fabric Manager.
Privilege	VIEW
HTTP Response Code	200

Example response body

```
{
    "@odata.context": "/api/
$metadata#Collection(NetworkConfigurationService.Network)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#NetworkConfigurationService.Network",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')/Networks(25076)",
            "Id": 25076,
            "Name": "10",
            "Description": "10",
            "VlanMaximum": 10,
            "VlanMinimum": 10,
            "Type": 1,
            "CreatedBy": "system",
            "CreationTime": "1970-01-31 00:08:21.946",
            "UpdatedBy": null,
            "UpdatedTime": "1970-01-31 00:08:21.946",
            "InternalRefNWUUId": "991f2843-376e-49f3-a407-e5118f1d85ba"
        },
        {
            "@odata.type": "#NetworkConfigurationService.Network",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')/Networks(25077)",
            "Id": 25077,
            "Name": "15",
            "Description": "15",
            "VlanMaximum": 15,
            "VlanMinimum": 15,
            "Type": 4,
            "CreatedBy": "system",
            "CreationTime": "1970-01-31 00:08:21.963",
            "UpdatedBy": null,
            "UpdatedTime": "1970-01-31 00:08:21.963",
            "InternalRefNWUUId": "af00526c-4869-4a50-b170-1ff530b07b3f"
        }
    ]
}
```

/api/NetworkService /ServerProfiles(arg1)/ ServerInterfaceProfiles(arg2)/Networks (arg3)

This URI represents information about network profiles that are configured for server profiles.

GET method for network service in server interface profiles

This method returns information about the tagged VLANs that are configured for server interface profiles on Fabric Manager.

Description	Returns the tagged VLANs that are configured for server profiles.
Privilege	VIEW
HTTP Response Code	200
Example response body	

```
{
    "@odata.context": "/api/$metadata#NetworkConfigurationService.Network/
$entity",
    "@odata.type": "#NetworkConfigurationService.Network",
    "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/
ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')/Networks(25076)",
    "Id": 25076,
    "Name": "10",
    "Description": "10",
    "VlanMaximum": 10,
    "VlanMinimum": 10,
    "Type": 1,
    "CreatedBy": "system",
    "CreationTime": "1970-01-31 00:08:21.946",
    "UpdatedBy": null,
    "UpdatedTime": "1970-01-31 00:08:21.946",
    "InternalRefNWUUId": "991f2843-376e-49f3-a407-e5118f1d85ba"
}
```

/api/NetworkService/Actions/ NetworkService.ApplyServersInterfaceProfiles

This URI performs bulk update on one or more server profiles simultaneously. To run this URI, you must have a server profile that is deployed using the server deployment process, on the system. A job is created in OME-Modular to track the progress of the task.

POST method for applying network service to server interface profiles

This method performs bulk update on multiple server profiles simultaneously.

Description	Performs bulk update on multiple server profiles by ID.
Privilege	FABRIC MANAGEMENT
HTTP Response Code	201
Example request body	

```
[{
                "Id": "SL4V311",
                "ServerServiceTag": "SL4V311",
                "ServerInterfaceProfiles": [{
                            "Id": "NIC.Mezzanine.1-2-1",
                            "NativeVLAN":1,
                            "Networks": [{
                                        "Id": 25112
```

```
                                    },
                                    {
                                                    "Id": 25114
                                    }]
                    },
                    {
                                    "Id": "NIC.Mezzanine.1-1-1"
                    }]

}]
```

Example response body

```
{
    "JobId": 25546
}
```

Table 172. Attributes

Attribute	Description
JobId	Identifier of the job that is created as part of the request. You can track the progress of the task using the ID.

Template Service

/api/TemplateService/Profiles

This URI represents the profiles.

NOTE: This API is not available in OpenManage Enterprise from version 3.4.

GET method for Profiles

This method returns the list of available profiles.

Description	Returns list of profiles.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "/api/$metadata#Collection(TemplateService.Profile)",
  "@odata.count": 12,
  "value":
  [
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(44)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(43)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(45)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(42)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(39)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(47)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(41)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
```

```
TemplateService/Profiles(40)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(48)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(38)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(46)",…},
    {"@odata.type": "#TemplateService.Profile", "@odata.id": "/api/
TemplateService/Profiles(37)",…}
  ]
}
```

/api/TemplateService/Profiles(Id)

This URI represents a specific profile.

NOTE: This API is not available in OpenManage Enterprise from version 3.4.

GET method for Profiles(Id)

This method returns the details of a specific profile.

Description	Returns details of a specific profile.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "/api/$metadata#TemplateService.Profile/$entity",
    "@odata.type": "#TemplateService.Profile",
    "@odata.id": "/api/TemplateService/Profiles(44)",
    "Id": 44,
    "ProfileName": "Slot3",
    "SourceTemplateId": 30,
    "AssociatedEntityId": 25580,
    "AssociationType": 1,
    "Status": 3,
    "CreatedBy": "root",
    "CreationTime": "2018-09-10 06:15:11.535552",
    "LastUpdatedBy": null,
    "LastUpdatedTime": "2018-09-10 06:06:44.078863"
}
```

/api/TemplateService/ProfileState

This API represents the server profile state information.

NOTE: This API is not available in OpenManage Enterprise from version 3.4.

GET method for server profile state

This method returns information about server profile state.

Description	Returns the server profile state.
Privilege	CHASSIS_MANAGEMENT
HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/
$metadata#Collection(TemplateService.ProfileState)",
    "@odata.count": 8,
    "value": [
        {
            "@odata.type": "#TemplateService.ProfileState",
            "Id": 1,
            "Name": "WaitingDeployment"
        },
        {
            "@odata.type": "#TemplateService.ProfileState",
            "Id": 2,
            "Name": "DeploymentTaskCreated"
        },
        {
            "@odata.type": "#TemplateService.ProfileState",
            "Id": 3,
            "Name": "DeploymentInProgress"
        },
        {
            "@odata.type": "#TemplateService.ProfileState",
            "Id": 4,
            "Name": "DeploymentCompletedWithErrors"
        },
        {
            "@odata.type": "#TemplateService.ProfileState",
            "Id": 5,
            "Name": "DeploymentFailedOnNoTargetAvailable"
        },
        {
            "@odata.type": "#TemplateService.ProfileState",
            "Id": 10,
            "Name": "DeployedSuccessfully"
        },
        {
            "@odata.type": "#TemplateService.ProfileState",
            "Id": 11,
            "Name": "DeployedIOSuccessfully"
        },
        {
            "@odata.type": "#TemplateService.ProfileState",
            "Id": 12,
            "Name": "DeploymentOfIOCompletedWithErrors"
        }
    ]
}
```


/api/TemplateService/ProfileUsage

This API represents the server profile usage information.

NOTE: This API is not available in OpenManage Enterprise from version 3.4.

GET method for server profile usage

This method returns information about the server profile usage.

Description	Returns server profile usage information.
Privilege	CHASSIS_MANAGEMENT
HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/
```

```
$metadata#Collection(TemplateService.ProfileUsage)",
    "@odata.count": 4,
    "value": [
        {
            "@odata.type": "#TemplateService.ProfileUsage",
            "Id": 1,
            "Name": "Device"
        },
        {
            "@odata.type": "#TemplateService.ProfileUsage",
            "Id": 2,
            "Name": "Slot"
        },
        {
            "@odata.type": "#TemplateService.ProfileUsage",
            "Id": 3,
            "Name": "DeviceAndSlot"
        },
        {
            "@odata.type": "#TemplateService.ProfileUsage",
            "Id": 4,
            "Name": "ServiceTag"
        }
    ]
}
```


/api/TemplateService/Actions/TemplateService.AttachProfile

This API represents information about server profiles that are created from templates.

NOTE: This API is not available in OpenManage Enterprise from version 3.4.

POST method for attaching profiles

This method returns information about server profiles that are created from templates.

Description	Returns information about server profiles that are created from templates.
Privilege	TEMPLATE_MANAGEMENT
HTTP response code	201
Example response body	


```
{
   "Id":29,
  "TargetIds":[8564,5364],
   "NetworkBootIsoModel":{
      "BootToNetwork":false,
      "ShareType":"CIFS",
      "ShareDetail":{

      }
   },
   "Attributes":[
      {
         "DeviceId":0,
         "Attributes":[
            {
               "Id":2536,
               "IsIgnored":true
            }
         ]
      }
   ],
   "Options":{
```

```
        "ShutdownType":0,
        "TimeToWaitBeforeShutdown":300,
        "EndHostPowerState":1
    }
}
```

/api/TemplateService/Actions/TemplateService.UpdateProfile

This API updates device-specific attributes in server profiles.

NOTE: This API is not available in OpenManage Enterprise from version 3.4.

POST method for updating profiles

This method updates device-specific attributes in server profiles.

Description	Updates device-specific attributes in the server profile.
Privilege	TEMPLATE_MANAGEMENT
HTTP response code	201
Example response body	

```
{
"Id":2664,
"Deviceids":[
2514
],
"Attributes":[
{
"DeviceId":2514,
"Attributes":[
{
"Id":341,
"Value":"OME-Modular RAC 2",
"Deploy":true
}
]
}
]
}
```

/api/TemplateService/Actions/TemplateService.MigrateProfile

This API migrates server profiles from one server to another. The system unassigns the identity from the server before the migration. If the migration to the selected server fails, the system displays a critical error. However, you can override the error and force the migration to another server.

NOTE: This API is not available in OpenManage Enterprise from version 3.4.

POST method for migrating profiles

This method migrates server profiles from one server to another. The system unassigns the identity from the server before the migration.

Description	Migrates server profiles from one server to another. The system unassigns the identity from the server before the migration.
Privilege	TEMPLATE_MANAGEMENT

HTTP response code	201

Example response body	<pre>{
	"SourceDeviceEntityId":1234,
	"DestinationDeviceEntityId":5555,
	"ForceMigrate":false
	}</pre>

/api/TemplateService/Actions/TemplateService.DetachProfile

This API detaches profiles from slots. If IO identities that are associated with the profile are in the reserved state, they are returned to the pool. If a profile is tied to a compute device, the IO identity that is associated with the profile is cleared from the device. The IO identity is then returned to the pool.

NOTE: This API is not available in OpenManage Enterprise from version 3.4.

POST method for detaching profiles

This method detaches a profile from a specified slot and reclaims the virtual identity from the specified device.

Description	Detaches a profile from a specified slot and reclaims the virtual identity from the specified device.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body	<pre>{
	"SourceEntityId" : 13,
	"ForceMigrate" : false
	}</pre>

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APIs specific to OpenManage Enterprise

Topics:

- Application settings
- Console update
- Mobile
- Console Preferences
- Alerts
- Incoming Alerts
- Warranty
- Network Configuration
- Troubleshoot service
- Query support service
- Groups service
- Profiles
- Devices
- Auto deploy
- Monitor
- Plugin Manager
- Power Metrics

Application settings

Console update

/api/JobService/Jobs

This URI updates the OpenManage Enterprise appliance.

POST method for Jobs

This method updates the OpenManage Enterprise appliance.

Description	Updates the OpenManage Enterprise appliance.
Privilege	APPLIANCE SETUP
HTTP response code	200
Example Request Body	

```
{
 "JobName":"Console Update Execution-201806151134088",
 "JobDescription":"Running Console Update Execute Task",
 "Schedule":"startnow",
 "State":"Enabled",
 "JobType":
  {
   "Id":124,
   "Name":"ConsoleUpdateExecution_Task"
  },
 "Params":
```

```
  [
   {
    "Key":"connectionProfile",
    "Value":"0"
   }
  ],
 "Targets":
  [
   {
    "Id":500,
    "Data":"",
    "TargetType":
     {
      "Id":6000,
      "Name":"GROUP"
     }
   }
  ]
}
```

/api/ConsoleUpdateService/Updates?$filter= Auto eq true

This URI represents the update job status of the OpenManage Enterprise appliance.

GET method for Updates?$filter= Auto eq true

This method returns the update job status of OpenManage Enterprise.

Description	Returns the update job status of OpenManage Enterprise.
Privilege	VIEW
HTTP response code	200

Example Response Body

```
{
 "@odata.context": "/api/$metadata#Collection(ConsoleUpdateService.Update)",
 "@odata.count": 1,
 "value":
  [
   {
    "Version": "3.0.0.1008",
    "ComponentName": "OME",
    "Description": "New features include MX7000 support, Virtual identity
management and migration, OMM integration, Alert policy actions for foreign
devices, Guided server templates",
    "Auto": false,
    "LastUpdateDateTime": "Fri Sep 14 17:08:06 UTC 2018"
   }
  ]
}
```

/api/ConsoleUpdateService/UpdateBundleInfo

This URI returns the job status of the downloaded console update bundle of the OpenManage Enterprise appliance.

NOTE: This API is available in OpenManage Enterprise 3.3.1, and can be used while performing an upgrade to later versions.

GET method for UpdateBundleInfo

This method returns the job status of the downloaded console update bundle of the OpenManage Enterprise appliance.

Description	Returns the update job status of the downloaded console update bundle of the OpenManage Enterprise appliance.
Privilege	VIEW
HTTP response code	200

/api/ConsoleUpdateService/Actions/ConsoleUpdateService.DeleteUpgradeBundle

This URL deletes the downloaded console update bundle.

NOTE: This API is available in OpenManage Enterprise 3.3.1, and can be used while performing an upgrade to later versions.

POST method for ConsoleUpdateService.DeleteUpgradeBundles

Description	This method deletes the downloaded console update bundle.
Privilege	APPLIANCE_SETUP
HTTP response code	200

/api/ConsoleUpdateService/Actions/ConsoleUpdateService.DownloadBundle

This URL downloads the console update bundle.

NOTE: This API is available in OpenManage Enterprise 3.3.1, and can be used while performing an upgrade to later versions.

POST method for ConsoleUpdateService.DownloadBundle

Description	This method downloads the console update bundle.
Privilege	APPLIANCE_SETUP
HTTP response code	200
Example response body	

```
{
"BundleType":"OM Enterprise"
}
```

Mobile

/api/AlertService/MobileSubscriptions

This URI returns all mobile subscriptions.

GET method for MobileSubscriptions

This method returns all the mobile subscriptions.

Description	Returns all the mobile subscriptions.
Privilege	VIEW
HTTP response codes	200
Example Response Body	


```
{
    "@odata.context": "$metadata#Collection(AlertService.MobileSubscription)",
    "@odata.count": 1,
    "value": [
        {
            "@odata.id": "/api/AlertService/MobileSubscriptions('7cb19d45-cae5-4eesdf6
sdfsaaasd02daf-asd8a5fcefsdf00a85')",
            "IdDevice": "7cb19d45-cae5-4eesdf6-sdfsaaasd02daf-asd8a5fcefsdf00a85",
            "IdSubscriberService": 1,
            "Status": 1,
            "UserName": "danl",
            "Enabled": true,
            "AlertPolicyId": 414,
            "AlertPolicyName": "Default Profile Update Policy",
            "Token":
"APA91bF944FuE2F5wIJQFEX6Uz1N29OvOXvASzGPtfCtOg3sZEPuFezjerOYuBaykTtXl0WWnAcItLYKHvE5E
Ek9_BvS1TGFEVbIPr37DCGCbNUQBrE3Op8yGNwSZx8JYrI7f",
            "Description": "Samsung Quasi-Stellar Object",
            "LastConnection": "2017-09-18 14:24:51.997",
            "Created": "2017-09-18 14:24:51.997",
            "LastError": "1970-01-01 00:00:00.0",
            "LastPush": "1970-01-01 00:00:00.0",
            "NewAlertCount": 0,
            "StatusMessage": "OK"
        }
    ]
}
```


/api/AlertService/SubscriptionNotificationService

This URI represents the subscription service details.

GET method for SubscriptionNotificationService

This method returns subscription service details.

Description	Returns subscription service details.
Privilege	VIEW
HTTP response codes	200
Example Response Body	


```
{
```

```
    "@odata.context":
"$metadata#AlertService.SubscriptionNotificationService/$entity",
    "@odata.id": "/api/AlertService/SubscriptionNotificationService",
    "Id": 1,
    "Status": 2,
    "Enabled": false,
    "DateLastRegistration": "1970-01-01 00:00:00.0",
    "StatusMessage": "The notification service is disabled or is
initializing.",
    "Token": "",
    "URL": null,
    "DateLastCommFailure": "2017-08-08 19:50:00.087",
    "CommFailuresBackoff": "2017-08-08 19:50:00.087"
}
```


/api/AlertService/Actions/AlertService.CreateEditMobileSubscription

This URI represents creating mobile subscriptions.

POST method for CreateEditMobileSubscription

This method creates mobile subscriptions. The AlertPolicyId must be configured in the appliance before creating the subscription.

Description	Creates mobile subscriptions.
Privilege	MONITORING_SETUP
HTTP response codes	200

Example request body


```
{
  "IdDevice": "7cb19d45-cfe5-4ee6-a02d-8a5fcef0d085",
  "IdSubscriberService": 1,
  "UserName": "danl",
  "Enabled": true,
  "AlertPolicyId": 414,
  "Token":
"APA91bEbGmqbAy7nMxDOI0rAS3RVCUGv3szsCi5uQUlyIApwzTGYbgZ_CRy54McKZKP3MUSbcfxovqlpDx39L
  "Description": "Samsung Quasi-Stellar Object"
 }
```


/api/AlertService/Actions/AlertService.DeleteMobileSubscription

This URI represents the deletion of mobile subscriptions.

POST method for AlertService.DeleteMobileSubscription

This method deletes the specified mobile subscriptions.

Description	Deletes the specified mobile subscriptions.
Privilege	MONITORING_SETUP
HTTP response codes	200

Example Request Body


```
["7cb19d45-cae5-4eesdf6-sdasdfsaaasd02daf-asd8aasd5fcefsdf00a85"]
```

/api/AlertService/Actions/AlertService.EnableSubscriptionNotificationService

This URI enables the mobile subscription notifications.

POST method for AlertService.EnableSubscriptionNotificationService

This method enables notifications of mobile subscriptions.

Description	Enables notifications of mobile subscriptions.
Privilege	MONITORING_SETUP
HTTP response codes	200

Example Request Body

```
{
 "Enable":"false"
}
```

/api/AlertService/Actions/AlertService.FilterAlertsByPolicy

This URI filters the alerts by using the policy ID.

GET method for AlertService.FilterAlertsByPolicy

This method returns alerts based on the policy ID.

Description	Returns alerts based on the policy ID.
Privilege	VIEW
HTTP response codes	200

Example request body

```
{
 "PolicyId": 14164,
 "Top": 2,
 "Skip": 1
}
```

Example response body

```
{
    "@odata.context": "/api/$metadata#Collection(AlertService.Alert)",
    "@odata.count": 1,
    "value": [
        {
            "@odata.type": "#AlertService.Alert",
            "@odata.id": "/api/AlertService/Alerts(1)",
            "Id": 1,
            "SeverityType": 2,
            "SeverityName": "Info",
            "AlertDeviceId": 0,
            "AlertDeviceName": "10.210.137.100",
            "AlertDeviceType": 0,
            "AlertDeviceIpAddress": "xx.xx.xx.xx",
            "AlertDeviceMacAddress": null,
            "AlertDeviceIdentifier": null,
```

```
            "AlertDeviceAssetTag": null,
            "DefinitionId": -126170178,
            "CatalogName": "OMSA",
            "CategoryId": 1000,
            "CategoryName": "System Health",
            "SubCategoryId": 61,
            "SubCategoryName": "Redundancy",
            "StatusType": 2000,
            "StatusName": "Not-Acknowledged",
            "TimeStamp": "2018-09-10 17:45:46.967",
            "Message": "Redundancy has returned to normal.; Received from
address: 10.210.137.100",
            "EemiMessage": "Instrumentation didn't provide any detailed
description for this event.",
            "RecommendedAction": "Instrumentation didn't provide any
recommended action for this event.",
            "AlertMessageId": "N/A",
            "AlertVarBindDetails": "<?xml version=\"1.0\" encoding=\"utf-8\"?
><trap><agentAddress>10.210.137.100</
agentAddress><enterpriseOID>.1.3.6.1.4.1.674.10892.1</
enterpriseOID><specificTrapId>1304</
specificTrapId><varbinds><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.1.0</
oid><datatype>OctetString</datatype><value></value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.2.0</
oid><datatype>OID</datatype><value>1.3</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.3.0</
oid><datatype>OctetString</datatype><value></value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.4.0</
oid><datatype>Integer32</datatype><value>0</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.5.0</
oid><datatype>Integer32</datatype><value>0</value></
varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.6.0</
oid><datatype>OctetString</datatype><value></value></varbind></varbinds></
trap>",
            "AlertMessageType": "SNMP",
            "MessageArgs": "",
            "AlertDeviceGroup": 0
        }
    ]
}
```


Console Preferences

/api/ApplicationService/Settings

POST method for Discovery settings

Description	Configures the device name and common MAC addresses for discovery.
Privilege	APPLIANCE_SETUP
HTTP response codes	200
Example Request Body	


```
{
   "ConsoleSetting": [
      {
         "Name": "DEVICE_PREFERRED_NAME",
         "DefaultValue": "SYSTEM_NAME",
         "Value": "PREFER_NETBIOS,PREFER_IDRAC_SYSTEM_HOSTNAME",
         "DataType": "",
         "GroupName": ""
      },
      {
```

```
            "Name": "INVALID_DEVICE_HOSTNAME",
            "Value": "localhost,localhost.localdomain,not
defined,pv132t,pv136t,default,dell,idrac-"
        },
        {
            "Name": "COMMON_MAC_ADDRESSES",
            "Value":
"00:53:45:00:00:00,33:50:6F:45:30:30,50:50:54:50:30:30,00:00:FF:FF:FF:FF,20:4
1:53:59:4E:FF,00:00:00:00:00:00,20:41:53:59:4e:ff,00:00:00:00:00:00"
        }
    ]
}
```

POST method for SMB settings

Description	Configures the OpenManage Enterprise SMB settings.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example Request Body

```
{
            "Name": "SHARED_SETTING",
            "DefaultValue": "disable_V_1",
            "Value": "enable_V_1",
            "DataType": "",
            "GroupName": ""
        }
```

POST method for DeviceHealth settings

Description	Configures the OpenManage Enterprise device health settings.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example Request Body

```
"ConsoleSetting": [
        {
            "Name": "CONSOLE_CONNECTION_SETTING",
            "DefaultValue": "last_known",
            "Value": "unknown",
            "DataType": "java.lang.String",
            "GroupName": "CONSOLE_CONNECTION_SETTING"
        }
    ]
}
```

/api/JobService/Jobs(10011)

PUT method for Jobs(10011)

Description	Configures the health poll interval for the device health settings.
Privilege	JOB_MANAGEMENT
HTTP response codes	200

Example Request Body

```
{
"ConsoleSetting":
[{
"Name": "REPORTS_MAX_RESULTS_LIMIT",
            "Value": "0",
            "DataType": "java.lang.Integer",
            "GroupName": ""
}
]

}
```

/api/ApplicationService/Settings

POST method for ReportSettings

Description Configures the maximum limit for the reports.

Privilege APPLIANCE_SETUP

HTTP response codes 200

Example Request Body

```
{
   "ConsoleSetting": [
      {
         "Name": "REPORTS_MAX_RESULTS_LIMIT",
         "DefaultValue": "1000",
         "Value": 998,
         "DataType": "java.lang.Integer"
      }
   ]
}
```

POST method for EmailSender settings

Description Configures the email sender settings.

Privilege APPLIANCE_SETUP

HTTP response codes 200

Example Request Body

```
{
   "ConsoleSetting": [
      {
         "Name": "EMAIL_SENDER",
         "DefaultValue": "admin@dell.com",
         "Value": "admin@dell.com",
         "DataType": "java.lang.String",
         "GroupName": ""
      }
   ]
}
```

POST method for TrapForwarding

Description	Configures the OpenManage Enterprise trap forwarding settings.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example Request Body

```
{
   "ConsoleSetting": [
      {
         "Name": "TRAP_FORWARDING_SETTING",
         "DefaultValue": "false",
         "Value": "Normalized",
         "DataType": "",
         "GroupName": ""
      }
   ]
}
```

/api/Console/UpdateConsoleSettings

This URI enables the option to receive all alerts or alerts corresponding to chassis as an MX7000 chassis onboarding preference.

POST method for UpdateConsoleSettings

Description	Enables the option to receive all alerts or alerts corresponding to chassis as an MX7000 chassis onboarding preference.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

MX7000 Onboarding preferences to enable the Receive All Alerts option

Example Request Body

```
MX7000 Onboarding preferences to enable Receive All Alerts option


{
"consoleSetting":
[
{"name":"MX7000_ONBOARDING_PREF","defaultValue":"","value":"all",
"dataType":"java.lang.String","groupName":""
}
]
}
```

MX7000 Onboarding preferences to enable the Receive Chassis category alerts option

Example Request Body

```
MX7000 Onboarding preferences to enable Receive 'Chassis' category alerts
option
{
"consoleSetting":
[
{
"name":"MX7000_ONBOARDING_PREF","defaultValue":"","value":"chassis",
"dataType":"java.lang.String","groupName":""
}
]
}
```

Alerts

https://<IP>/api/ApplicationService/Settings

POST method for Alert Display settings

Description	Configures the alerts to be displayed on the alerts log page.
Privilege	APPLIANCE_SETUP
HTTP response codes	200
Example Request Body	

```
{
   "ConsoleSetting": [
      {
         "Name": "ALERT_ACKNOWLEDGEMENT_VIEW",
         "DefaultValue": "2000",
         "Value": 1000,
         "DataType": "java.lang.Integer",
         "GroupName": ""
      }
   ]
}
```

https://<IP>/api/AlertService/AlertDestinations/SMTPConfiguration

POST method for SMTPConfiguration

Description	Configures the email and SMTP configuration for alerts.
Privilege	MONITORING_SETUP
HTTP response codes	200
Example Request Body	

```
{
   "DestinationAddress": "10.35.2.0",
   "UseCredentials": true,
   "PortNumber": 25,
   "UseSSL": true,
   "Credential": {
      "User": "root",
      "Password": "calvin"
   }
}
```

https://<IP>/api/AlertService/AlertDestinations/Actions/AlertDestinations.ApplySNMPConfig

POST method for AlertDestinations.ApplySNMPConfig

Description	Configures the SNMP server for alerts.
Privilege	MONITORING_SETUP
HTTP response codes	200

Example Request Body

```
[
    {
        "Id": 1,
        "Enabled": true,
        "DestinationAddress": "10.32.19.125",
        "PortNumber": 162,
        "Version": "SNMPV2",
        "SnmpV1V2Credential": {
            "Community": "public"
        },
        "SnmpV3Credential": null
    },
    {
        "Id": 2,
        "Enabled": false,
        "DestinationAddress": null,
        "PortNumber": 0,
        "Version": null,
        "SnmpV1V2Credential": null,
        "SnmpV3Credential": null
    },
    {
        "Id": 3,
        "Enabled": false,
        "DestinationAddress": null,
        "PortNumber": 0,
        "Version": null,
        "SnmpV1V2Credential": null,
        "SnmpV3Credential": null
    },
    {
        "Id": 4,
        "Enabled": false,
        "DestinationAddress": null,
        "PortNumber": 0,
        "Version": null,
        "SnmpV1V2Credential": null,
        "SnmpV3Credential": null
    }
]
```

https://<IP>/api/AlertService/AlertDestinations/Actions/AlertDestinations.ApplySyslogConfig

POST method for AlertDestinations.ApplySyslogConfig

Description	Configures the server for alerts.
Privilege	MONITORING_SETUP

HTTP response codes 200

Example Request Body

```
[
{
            "Id": 1,
            "Enabled": true,
            "DestinationAddress": "100.69.123.200",
            "PortNumber": 514
        },
        {

            "Id": 2,
            "Enabled": false,
            "DestinationAddress": "",
            "PortNumber": 514
        },
        {

            "Id": 3,
            "Enabled": false,
            "DestinationAddress": null,
            "PortNumber": 514
        },
        {

            "Id": 4,
            "Enabled": false,
            "DestinationAddress": null,
            "PortNumber": 514
        }
    ]
```

Incoming Alerts

https://<IP>/api/ApplicationService/Settings

POST method for Jobs

Description Configures the SNMP configuration for incoming alerts.

Privilege JOB_MANAGEMENT

HTTP response codes 200

Example Request Body

```
{
   "Id": <JobId>,// Refer task api to get the jobId for this Job name.
   "JobName": "SNMP Listener Configuration",
   "JobDescription": "SNMP Listener Task created from Alert Settings",
   "Schedule": "startnow",
   "State": "Enabled",
   "JobType": {
      "Id": 9,
      "Name": "ListenerConfiguration_Task"
   },
   "Params": [
      {
         "JobId": 0,
         "Key": "snmpCredentials",
         "Value": {
            "securityName": "root",
```

```
            "authenticationProtocol": "NONE",
            "authenticationPassphrase": "",
            "privacyProtocol": "NONE",
            "privacyPassphrase": "",
            "localizationEngineID": null,
            "community": "lex",
            "port": 162,
            "enableV3": true,
            "enableV1V2": false,
            "retries": 3,
            "timeout": 3
         }
      },
      {
         "JobId": 0,
         "Key": "protocolType",
         "Value": "SNMP"
      },
      {
         "JobId": 0,
         "Key": "enableV1",
         "Value": "true"
      },
      {
         "JobId": 0,
         "Key": "enableV2",
         "Value": "true"
      },
      {
         "JobId": 0,
         "Key": "enableV3",
         "Value": "true"
      },
      {
         "JobId": 0,
         "Key": "alertPort",
         "Value": "162"
      },
      {
         "JobId": 0,
         "Key": "communityString",
         "Value": "lex"
      },
      {
         "JobId": 0,
         "Key": "overwriteUSM",
         "Value": "true"
      }
   ]
}
```


Warranty

https://<IP>/api/ApplicationService/Settings

POST method for Warranty settings

Description	Creates the warranty settings.
Privilege	APPLIANCE_SETUP
Example Request Body	


```
{
  "ConsoleSetting":
```

```
                [  {
      "Name": "WARRANTY_SCOREBOARD",
      "DefaultValue": "false",
      "Value": "true",
      "DataType": "java.lang.Boolean",
      "GroupName": "WARRANTY_SCOREBOARD"
    }


                ]

}
```

Network Configuration

/api/ApplicationService/Network/AdapterConfigurations

This URL returns all the network adapter information.

GET method for AdapterConfigurations

Description	Returns all the network adapter information.
Privilege	VIEW
HTTP response code	200

Example response body

```
{
    "@odata.context": "/api/
$metadata#Collection(Network.AdapterConfigurations)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#Network.AdapterConfigurations",
            "@odata.id": "/api/ApplicationService/Network/
AdapterConfigurations('ens33')",
            "InterfaceName": "ens33",
            "ProfileName": "ens33",
            "EnableNIC": true,
            "Ipv4Configuration": {
                "Enable": true,
                "EnableDHCP": true,
                "StaticIPAddress": "",
                "StaticSubnetMask": "",
                "StaticGateway": "",
                "UseDHCPForDNSServerNames": true,
                "StaticPreferredDNSServer": "",
                "StaticAlternateDNSServer": ""
            },
            "Ipv6Configuration": {
                "Enable": false,
                "EnableAutoConfiguration": false,
                "StaticIPAddress": "",
                "StaticPrefixLength": 0,
                "StaticGateway": "",
                "UseDHCPForDNSServerNames": false,
                "StaticPreferredDNSServer": "",
                "StaticAlternateDNSServer": ""
            },
            "ManagementVLAN": {
                "EnableVLAN": false,
                "Id": 0
            },
```

```
            "DnsConfiguration": {
                "RegisterWithDNS": false,
                "DnsName": "",
                "UseDHCPForDNSDomainName": false,
                "DnsDomainName": "",
                "FqdndomainName": "",
                "Ipv4CurrentPreferredDNSServer": "",
                "Ipv4CurrentAlternateDNSServer": "",
                "Ipv6CurrentPreferredDNSServer": "",
                "Ipv6CurrentAlternateDNSServer": ""
            },
            "CurrentSettings": {
                "Ipv4Settings": {
                    "Enable": true,
                    "EnableDhcp": true,
                    "CurrentIPAddress": [
                        "XX.XXX.X.XXX"
                    ],
                    "CurrentSubnetMask": "255.255.248.0",
                    "CurrentGateway": "10.255.0.1",
                    "UseDHCPForDNSServerNames": true,
                    "Ipv4Dns": [
                        "XX.XX.X.X",
                        "XX.X.X.X"
                    ]
                },
                "Ipv6Settings": {
                    "Enable": false,
                    "EnableAutoConfiguration": false,
                    "CurrentIPAddress": [
                        "ef12:17d:804:1236:20c:29ff:fe08:600c"
                    ],
                    "CurrentGateway": "fe80::92b1:1cff:fef4:26de",
                    "CurrentLinkLocalAddress": "fe80::20c:29ff:fe08:600c/64",
                    "UseDHCPForDNSServerNames": false,
                    "Ipv6Dns": []
                },
                "DnsSetting": {
                    "DnsFQDName": "",
                    "DnsDomainName": ""
                }
            },
            "Delay": 0,
            "PrimaryInterface": true
        },
        {
            "@odata.type": "#Network.AdapterConfigurations",
            "@odata.id": "/api/ApplicationService/Network/
AdapterConfigurations('ens36')",
            "InterfaceName": "ens36",
            "ProfileName": "ens36",
            "EnableNIC": true,
            "Ipv4Configuration": {
                "Enable": false,
                "EnableDHCP": false,
                "StaticIPAddress": "",
                "StaticSubnetMask": "",
                "StaticGateway": "",
                "UseDHCPForDNSServerNames": false,
                "StaticPreferredDNSServer": "",
                "StaticAlternateDNSServer": ""
            },
            "Ipv6Configuration": {
                "Enable": true,
                "EnableAutoConfiguration": true,
                "StaticIPAddress": "",
                "StaticPrefixLength": 0,
                "StaticGateway": "",
                "UseDHCPForDNSServerNames": false,
                "StaticPreferredDNSServer": "",
                "StaticAlternateDNSServer": ""
            },
```

```
            "ManagementVLAN": {
                "EnableVLAN": false,
                "Id": 0
            },
            "DnsConfiguration": {
                "RegisterWithDNS": false,
                "DnsName": "",
                "UseDHCPForDNSDomainName": false,
                "DnsDomainName": "",
                "FqdndomainName": "",
                "Ipv4CurrentPreferredDNSServer": "",
                "Ipv4CurrentAlternateDNSServer": "",
                "Ipv6CurrentPreferredDNSServer": "",
                "Ipv6CurrentAlternateDNSServer": ""
            },
            "CurrentSettings": {
                "Ipv4Settings": {
                    "Enable": false,
                    "EnableDhcp": false,
                    "CurrentIPAddress": [],
                    "CurrentSubnetMask": null,
                    "CurrentGateway": "",
                    "UseDHCPForDNSServerNames": false,
                    "Ipv4Dns": []
                },
                "Ipv6Settings": {
                    "Enable": true,
                    "EnableAutoConfiguration": true,
                    "CurrentIPAddress": [
                        "2620:14c:804:1803:246d:da07:9990:28d"
                    ],
                    "CurrentGateway": "fe80::201:e8ff:fe8b:858a",
                    "CurrentLinkLocalAddress": "fe80::ecb2:915e:5a6f:817b/
64",
                    "UseDHCPForDNSServerNames": false,
                    "Ipv6Dns": []
                },
                "DnsSetting": null
            },
            "Delay": 0,
            "PrimaryInterface": false
        }
    ]
}
```


/api/ApplicationService/Network/AdapterConfigurations('ens33')

This URL returns the network adapter information that is based on the interface name.

NOTE: The interface name of the network adapter in an appliance varies based on the hypervisor.

GET method for AdapterConfigurations('ens33')

This URL returns the network adapter information that is based on the interface name.

Description	This method returns the network adapter information that is based on the interface name.
Privilege	VIEW
HTTP response code	200
Example response body	


```
{
    "@odata.context": "/api/$metadata#Network.AdapterConfigurations",
```

```
    "@odata.type": "#Network.AdapterConfigurations",
    "@odata.id": "/api/ApplicationService/Network/
AdapterConfigurations('ens33')",
    "InterfaceName": "ens33",
    "ProfileName": "ens33",
    "EnableNIC": true,
    "Ipv4Configuration": {
        "Enable": true,
        "EnableDHCP": true,
        "StaticIPAddress": "",
        "StaticSubnetMask": "",
        "StaticGateway": "",
        "UseDHCPForDNSServerNames": true,
        "StaticPreferredDNSServer": "",
        "StaticAlternateDNSServer": ""
    },
    "Ipv6Configuration": {
        "Enable": false,
        "EnableAutoConfiguration": false,
        "StaticIPAddress": "",
        "StaticPrefixLength": 0,
        "StaticGateway": "",
        "UseDHCPForDNSServerNames": false,
        "StaticPreferredDNSServer": "",
        "StaticAlternateDNSServer": ""
    },
    "ManagementVLAN": {
        "EnableVLAN": false,
        "Id": 0
    },
    "DnsConfiguration": {
        "RegisterWithDNS": false,
        "DnsName": "",
        "UseDHCPForDNSDomainName": false,
        "DnsDomainName": "",
        "FqdndomainName": "",
        "Ipv4CurrentPreferredDNSServer": "",
        "Ipv4CurrentAlternateDNSServer": "",
        "Ipv6CurrentPreferredDNSServer": "",
        "Ipv6CurrentAlternateDNSServer": ""
    },
    "CurrentSettings": {
        "Ipv4Settings": {
            "Enable": true,
            "EnableDhcp": true,
            "CurrentIPAddress": [
                "XX.XXX.X.XXX"
            ],
            "CurrentSubnetMask": "255.255.248.0",
            "CurrentGateway": "10.255.0.1",
            "UseDHCPForDNSServerNames": true,
            "Ipv4Dns": [
                "XX.XX.X.X",
                "XX.X.X.X"
            ]
        },
        "Ipv6Settings": {
            "Enable": false,
            "EnableAutoConfiguration": false,
            "CurrentIPAddress": [
                "ef12:17d:804:1236:20c:29ff:fe08:600c"
            ],
            "CurrentGateway": "fe80::92b1:1cff:fef4:26de",
            "CurrentLinkLocalAddress": "fe80::20c:29ff:fe08:600c/64",
            "UseDHCPForDNSServerNames": false,
            "Ipv6Dns": []
        },
        "DnsSetting": {
            "DnsFQDName": "",
            "DnsDomainName": ""
        }
    },
```

```
    "Delay": 0,
    "PrimaryInterface": true
}
```

/api/ApplicationService/Actions/ Network.ConfigureNetworkAdapter

This URL configures the network adapter.

POST method for Network.ConfigureNetworkAdapter

NOTE: The interface name of the network adapter in an appliance varies based on the hypervisor.

Description	This method configures the network adapter.
Privilege	APPLIANCE_SETUP
HTTP response code	200
Example for primary interface	**Example request body**

```
{
    "InterfaceName": "ens33",
    "ProfileName": "ens33",
    "EnableNIC": true,
    "Ipv4Configuration": {
        "Enable": true,
        "EnableDHCP": true,
        "StaticIPAddress": "",
        "StaticSubnetMask": "",
        "StaticGateway": "",
        "UseDHCPForDNSServerNames": true,
        "StaticPreferredDNSServer": "",
        "StaticAlternateDNSServer": ""
    },
    "Ipv6Configuration": {
        "Enable": false,
        "EnableAutoConfiguration": false,
        "StaticIPAddress": "",
        "StaticPrefixLength": 0,
        "StaticGateway": "",
        "UseDHCPForDNSServerNames": false,
        "StaticPreferredDNSServer": "",
        "StaticAlternateDNSServer": ""
    },
    "ManagementVLAN": {
        "EnableVLAN": false,
        "Id": 0
    },
    "DnsConfiguration": {
        "RegisterWithDNS": false,
        "DnsName": "",
        "UseDHCPForDNSDomainName": false,
        "DnsDomainName": "",
        "FqdndomainName": "",
        "Ipv4CurrentPreferredDNSServer": "",
        "Ipv4CurrentAlternateDNSServer": "",
        "Ipv6CurrentPreferredDNSServer": "",
        "Ipv6CurrentAlternateDNSServer": ""
    },
    "Delay": 0,
    "PrimaryInterface": true
}
```

Example for primary interface

Example response body


```
{
    "Id": 10085,
    "JobName": "OMERealtime_Task",
    "JobDescription": "Generic OME runtime task",
    "NextRun": null,
    "LastRun": null,
    "StartTime": null,
    "EndTime": null,
    "Schedule": "startnow",
    "State": "Enabled",
    "CreatedBy": "system",
    "UpdatedBy": null,
    "LastRunStatus": {
        "Id": 2080,
        "Name": "New"
    },
    "JobType": {
        "Id": 207,
        "Name": "OMERealtime_Task",
        "Internal": true
    },
    "JobStatus": {
        "Id": 2080,
        "Name": "New"
    },
    "Targets": [],
    "Params": [
        {
            "JobId": 10085,
            "Key": "Nmcli_Update",
            "Value": "{\"interfaceName\":\"ens36\",\"profileName
\":\"ens36\",\"enableNIC\":true,\"ipv4Configuration\":{\"enable
\":true,\"enableDHCP\":true,\"staticIPAddress\":\"\",\"staticSubnetMask
\":\"\",\"staticGateway\":\"\",\"useDHCPForDNSServerNames
\":false,\"staticPreferredDNSServer\":\"\",\"staticAlternateDNSServer
\":\"\"},\"ipv6Configuration\":{\"enable\":true,\"enableAutoConfiguration
\":true,\"staticIPAddress\":\"\",\"staticPrefixLength\":0,\"staticGateway
\":\"\",\"useDHCPForDNSServerNames\":false,\"staticPreferredDNSServer
\":\"\",\"staticAlternateDNSServer\":\"\"},\"managementVLAN\":{\"enableVLAN
\":false,\"id\":0},\"dnsConfiguration\":{\"registerWithDNS\":false,\"dnsName
\":\"\",\"useDHCPForDNSDomainName\":false,\"dnsDomainName
\":\"\",\"ipv4CurrentPreferredDNSServer
\":\"\",\"ipv4CurrentAlternateDNSServer
\":\"\",\"ipv6CurrentPreferredDNSServer
\":\"\",\"ipv6CurrentAlternateDNSServer\":\"\",\"fqdndomainName
\":\"\"},\"currentSettings\":{\"ipv4Address\":[],\"ipv4Gateway
\":\"\",\"ipv4Dns\":[],\"ipv4Domain\":\"\",\"ipv6Address\":
[],\"ipv6LinkLocalAddress\":\"\",\"ipv6Gateway\":\"\",\"ipv6Dns\":
[],\"ipv6Domain\":\"\"},\"delay\":0,\"primaryInterface
\":false,\"modifiedConfigs\":{}}"
        }
    ],
    "Visible": true,
    "Editable": true,
    "Builtin": false
}
```


Example for secondary interface

Example request body


```
{
            "InterfaceName": "ens36",
            "ProfileName": "ens36",
            "EnableNIC": true,
            "Ipv4Configuration": {
                "Enable": false,
                "EnableDHCP": false,
                "StaticIPAddress": "",
                "StaticSubnetMask": "",
```

```
                "StaticGateway": ""
            },
            "Ipv6Configuration": {
                "Enable": true,
                "EnableAutoConfiguration": true,
                "StaticIPAddress": "",
                "StaticPrefixLength": 0,
                "StaticGateway": ""
            },
            "ManagementVLAN": {
                "EnableVLAN": false,
                "Id": 0
            },
            "Delay": 0,
            "PrimaryInterface": false
        }
```

Example for secondary interface

Example response body

```
{
    "Id": 10085,
    "JobName": "OMERealtime_Task",
    "JobDescription": "Generic OME runtime task",
    "NextRun": null,
    "LastRun": null,
    "StartTime": null,
    "EndTime": null,
    "Schedule": "startnow",
    "State": "Enabled",
    "CreatedBy": "system",
    "UpdatedBy": null,
    "LastRunStatus": {
        "Id": 2080,
        "Name": "New"
    },
    "JobType": {
        "Id": 207,
        "Name": "OMERealtime_Task",
        "Internal": true
    },
    "JobStatus": {
        "Id": 2080,
        "Name": "New"
    },
    "Targets": [],
    "Params": [
        {
            "JobId": 10085,
            "Key": "Nmcli_Update",
            "Value": "{\"interfaceName\":\"ens36\",\"profileName
\":\"ens36\",\"enableNIC\":true,\"ipv4Configuration\":{\"enable
\":true,\"enableDHCP\":true,\"staticIPAddress\":\"\",\"staticSubnetMask
\":\"\",\"staticGateway\":\"\",\"useDHCPForDNSServerNames
\":false,\"staticPreferredDNSServer\":\"\",\"staticAlternateDNSServer
\":\"\"},\"ipv6Configuration\":{\"enable\":true,\"enableAutoConfiguration
\":true,\"staticIPAddress\":\"\",\"staticPrefixLength\":0,\"staticGateway
\":\"\",\"useDHCPForDNSServerNames\":false,\"staticPreferredDNSServer
\":\"\",\"staticAlternateDNSServer\":\"\"},\"managementVLAN\":{\"enableVLAN
\":false,\"id\":0},\"dnsConfiguration\":{\"registerWithDNS\":false,\"dnsName
\":\"\",\"useDHCPForDNSDomainName\":false,\"dnsDomainName
\":\"\",\"ipv4CurrentPreferredDNSServer
\":\"\",\"ipv4CurrentAlternateDNSServer
\":\"\",\"ipv6CurrentPreferredDNSServer
\":\"\",\"ipv6CurrentAlternateDNSServer\":\"\",\"fqdndomainName
\":\"\"},\"currentSettings\":{\"ipv4Address\":[],\"ipv4Gateway
\":\"\",\"ipv4Dns\":[],\"ipv4Domain\":\"\",\"ipv6Address\":
[],\"ipv6LinkLocalAddress\":\"\",\"ipv6Gateway\":\"\",\"ipv6Dns\":
[],\"ipv6Domain\":\"\"},\"delay\":0,\"primaryInterface
\":false,\"modifiedConfigs\":{}}"
        }
```

```
    ],
    "Visible": true,
    "Editable": true,
    "Builtin": false
}
```

/api/NetworkConfigurationService/Actions/NetworkConfigurationService.ImportVLANFromTarget

This URI imports the VLAN from the target chassis device.

POST method for NetworkConfigurationService.ImportVLANFromTarget

Description	This method imports the VLAN from the target chassis device.
Privilege	NETWORK_MANAGEMENT
HTTP response code	200
Example request body	

```
[device_id]
```

Troubleshoot service

The troubleshoot service methods retrieve TechSupport Report (TSR) or diagnostic log files from the managed systems—iDRACs. The troubleshoot service also has methods to retrieve various service logs from the appliance.

/api/JobService/Jobs

This URI is used to create a TSR or diagnostic job.

POST method for Jobs

This method creates a TSR or diagnostic job.

Description	Creates a TSR or diagnostic job.
Privilege	JOB_MANAGEMENT, DEVICE_CONFIGURATION
HTTP response codes	200
Example to create a TSR job	**Example request body**

```
{
 "Id":0,
 "JobName":"TSR",
 "JobDescription":"TSRTask",
 "Schedule":"startnow",
 "State":"Enabled",
 "JobType":
  {
   "Id":125,
   "Name":"Diagnostic_Task"
  },
 "Params":
  [
```

```
    {
     "Key":"deviceTypes",
     "Value":"1000"
    },
    {
     "Key":"operationName",
     "Value":"SERVER_EXECUTE_TSR"
    },
    {
     "Key":"fileName",
     "Value":"TSR"
    },
    {
     "Key":"OPERATION_NAME",
     "Value":"SERVER_EXECUTE_TSR"
    },
    {
     "Key":"ShareType",
     "Value":"2"
    },
    {
     "Key":"DataSelectorArrayIn",
     "Value":"[3]"    // Collect Logs types
    },
    {
     "Key":"user_eula_Agreement",
     "Value":"true"
    },
    {
     "Key":"ScheduledStartTime",
     "Value":"TIME_NOW"
    }
   ],
  "Targets":
   [
    {
     "Id":25085,
     "Data":"",
     "TargetType":
      {
       "Id":25085,
       "Name":"SERVER"
      }
    }
   ]
}
```

Example to create a diagnostic job

Example request body

```
{
 "Id":0,
 "JobName":"FinalTest",
 "JobDescription":"amit612",
 "Schedule":"startnow",
 "State":"Enabled",
 "JobType":
  {
   "Id":25,
   "Name":"Diagnostic_Task"
  },
 "Params":
  [
   {
    "Key":"deviceTypes",
    "Value":"1000"
   },
   {
    "Key":"fileName",
    "Value":"FinalTest"
   },
```

```
    {
     "Key":"operationName",
     "Value":"SERVER_DIAGNOSTIC"
    },
    {
     "Key":"OPERATION_NAME",
      "Value":"SERVER_DIAGNOSTIC"
    },
    {
     "Key":"ShareType",
     "Value":"2"
    },
    {
     "Key":"RunMode",
     "Value":"0"
    },
    {
     "Key":"RebootJobType",
     "Value":"2"
    },
    {
     "Key":"ScheduledStartTime",
     "Value":"TIME_NOW"
    }
   ],
  "Targets":
   [
    {
     "Id":3714,
     "Data":"",
     "TargetType":
      {
       "Id":3714,
       "Name":"SERVER"
      }
    }
   ]
}
```

/api/TroubleshootService/Files

This URI returns TechSupport Report (TSR) or diagnostic log files.

GET method for Files

This method returns TechSupport Report (TSR) or diagnostic log files.

Description	Returns TechSupport Report (TSR) or diagnostic log files. • URI for TSR files—api/TroubleshootService/Files?$filter=DeviceId eq 25085 and DeviceOperation eq 'SERVER_EXECUTE_TSR' • URI for remote diagnostic files—api/TroubleshootService/Files?$filter=DeviceId eq 25085 and DeviceOperation eq 'SERVER_DIAGNOSTIC'
Privilege	VIEW
HTTP response codes	200
Example Response Body	

```
"value":
 [
  {
   "@odata.type": "#TroubleshootService.FileResponseModel",
   "DeviceId": 25085,
   "DeviceOperation": "SERVER_EXECUTE_TSR",
   "JobId": 0,
   "FileName": "TSR.zip",
```

```
   "FilePath": "/shared/dell/omc/cifs/idrac/F3TPXK2/SERVER_EXECUTE_TSR/TSR/
TSR.zip"
  }
 ]
```

Table 173. Attributes

Attribute	Description
DeviceId	Device ID of the output file.
DeviceOperation	'SERVER_DIAGNOSTIC' to retrieve diagnostic files 'SERVER_EXECUTE_TSR' to retrieve TSR files

/api/TroubleshootService/Actions/TroubleshootService.GetTroubleshootDocument

This URI represents TSR/Diagnostic job reports.

POST method for TroubleshootService.GetTroubleshootDocument

This method extracts TSR/Diagnostic job reports.

Description	Extracts TSR/Diagnostic job reports.
Privilege	JOB_MANAGEMENT, DEVICE_CONFIGURATION
HTTP response codes	200
Example Request Body	

```
{
 "DeviceId":0,
 "DeviceOperation":"",
 "JobId":0,
 "FilePath":"/shared/dell/omc/cifs/idrac/F3TPXK2/SERVER_EXECUTE_TSR/TSR/
TSR.zip"
}
```

/api/TroubleShootService/Actions/TroubleShootService.GetArchivedConsoleLogs

This URI retrieves the appliance service logs.

POST method for TroubleShootService.GetArchivedConsoleLogs

This method retrieves the appliance service log files as a .ZIP file.

Description	Retrieves the appliance service log files.
Privilege	VIEW
HTTP response codes	200
Example Response Body	

```
 java.io.File
```

/api/TroubleShootService/Actions/TroubleShootService.DeleteArchivedConsoleLogs

This URI deletes archived console logs on the appliance.

POST method for TroubleShootService.DeleteArchivedConsoleLogs

This method deletes all available archived console logs on the appliance. This method ensures no archived logs are present on the file system.

Description	Deletes all available archived console logs on the appliance
Privilege	VIEW
HTTP response codes	200

Query support service

/api/QuerySupportService/Queries

This URI represents summary information for all queries for reports.

GET method for QuerySupportService/Queries

This method returns summary information for all queries for reports.

Description	Returns summary information for all queries for reports.
Privilege	VIEW
HTTP response codes	200

Example Response Body


```
{
 "@odata.context": "/api/$metadata#Collection(QuerySupportService.Query)",
 "@odata.count": 6,
 "value":
 [
  {
   "@odata.type": "#QuerySupportService.Query",
   "@odata.id": "/api/QuerySupportService/Queries(10001)",
   "Id": 10001,
   "Name": "Device Overview Report",
   "UsageId": 2,
   "FilterText": "",
   "ContextId": 2,
   "Conditions": [],
   "ResultFields": [],
   "SortFields": []
  },
  {
   "@odata.type": "#QuerySupportService.Query",
   "@odata.id": "/api/QuerySupportService/Queries(10003)",
   "Id": 10003,
   "Name": "NIC Report",
   "UsageId": 2,
   "FilterText": "",
   "ContextId": 2,
   "Conditions": [],
   "ResultFields": [],
   "SortFields": []
  },
  {
```

```
    "@odata.type": "#QuerySupportService.Query",
    "@odata.id": "/api/QuerySupportService/Queries(10007)",
    "Id": 10007,
    "Name": "Warranty Report",
    "UsageId": 2,
    "FilterText": "",
    "ContextId": 2,
    "Conditions": [],
    "ResultFields": [],
    "SortFields": []
   }
  ]
}
```

/api/QuerySupportService/Queries(Id)

This URI represents detailed information for a specific query.

GET method for QuerySupportService/Queries(Id)

This method returns summary information for a specific query.

Description	Returns summary information for a specific query.
Privilege	VIEW
HTTP response codes	200

Example Response Body

```
{
    "@odata.context": "/api/$metadata#QuerySupportService.Query/$entity",
    "@odata.type": "#QuerySupportService.Query",
    "@odata.id": "/api/QuerySupportService/Queries(25000)",
    "Id": 25000,
    "Name": "",
    "UsageId": 0,
    "FilterText": "",
    "ContextId": 2,
    "Conditions":
 [
     {
      "LogicalOperatorId": 0,
      "LeftParen": true,
      "FieldId": 52,
      "OperatorId": 11,
      "Value": "PowerEdge",
      "RightParen": true
     }
    ],
 "ResultFields":
 [
     50,
     53,
     52
    ],
    "SortFields": []
}
```

/api/QuerySupportService/QueryContextSummaries

This URI represents summary information for all query contexts.

GET method for QueryContextSummaries

This method returns summary information for all Query Contexts. A Query Context defines a hierarchical set of tables and fields that are used to define queries for dynamic groups (query groups) and reports.

Description	This method returns summary information for all Query Contexts.
Privilege	VIEW
HTTP response codes	200

Example Response Body


```
{
 "@odata.context": "/api/
$metadata#Collection(QuerySupportService.QueryContextSummary)",
 "@odata.count": 5,
 "value":
  [
   {
    "@odata.type": "#QuerySupportService.QueryContextSummary",
    "@odata.id": "/api/QuerySupportService/QueryContextSummaries(5)",
    "Id": 5,
    "Name": "Jobs",
    "Description": null,
    "BaseCategoryId": 3
    },
   {
    "@odata.type": "#QuerySupportService.QueryContextSummary",
    "@odata.id": "/api/QuerySupportService/QueryContextSummaries(4)",
    "Id": 4,
    "Name": "Groups",
    "Description": null,
    "BaseCategoryId": 4
    },
   {
    "@odata.type": "#QuerySupportService.QueryContextSummary",
    "@odata.id": "/api/QuerySupportService/QueryContextSummaries(1)",
    "Id": 1,
    "Name": "Alerts",
    "Description": null,
    "BaseCategoryId": 2
    },
   {
    "@odata.type": "#QuerySupportService.QueryContextSummary",
    "@odata.id": "/api/QuerySupportService/QueryContextSummaries(2)",
    "Id": 2,
    "Name": "Devices",
    "Description": null,
    "BaseCategoryId": 1
    },
   {
    "@odata.type": "#QuerySupportService.QueryContextSummary",
    "@odata.id": "/api/QuerySupportService/QueryContextSummaries(3)",
    "Id": 3,
    "Name": "Servers",
    "Description": null,
    "BaseCategoryId": 1
    }
    ]
 }
```

/api/QuerySupportService/QueryContextSummary(Id)

This URI represents summary information for a single query context.

GET method for QueryContextSummary(Id)

This method returns summary information for a specific query context.

Description	Returns summary information for a specific query context..
Privilege	VIEW
HTTP response codes	200

Example Response Body

```
{
    "@odata.context": "/api/
$metadata#QuerySupportService.QueryContextSummary/$entity",
    "@odata.type": "#QuerySupportService.QueryContextSummary",
    "@odata.id": "/api/QuerySupportService/QueryContextSummaries(1)",
    "Id": 1,
    "Name": "Alerts",
    "Description": null,
    "BaseCategoryId": 2
    }
```

/api/QuerySupportService/QueryContexts(Id)

This URI represents detailed information of a query context.

GET method for QueryContexts(Id)

This method returns the information for a specified Query Context.

Description	Returns the information for a specified Query Context.
Privilege	VIEW
HTTP response codes	200

Example Response Body

```
{
 "@odata.context": "/api/$metadata#QuerySupportService.QueryContext/$entity",
 "@odata.type": "#QuerySupportService.QueryContext",
 "@odata.id": "/api/QuerySupportService/QueryContexts(1)",
 "Id": 1,
 "Name": "Alerts",
 "Description": null,
 "BaseCategoryId": 2,
 "Tables":
  [
   {
    "Id": 5,
    "Name": "Device General Info",
    "Description": null,
    "ParentTableId": 1
   },
   {
    "Id": 4,
    "Name": "Alert Sub-Category",
    "Description": null,
    "ParentTableId": 2
   },
   {
    "Id": 1,
```

```
    "Name": "Alert",
    "Description": null,
    "ParentTableId": -1
   }
  ],
 "Fields":
  [
   {
    "Id": 17,
    "Name": "Device Name",
    "TableId": 5,
    "Description": null,
    "FieldTypeId": 1,
    "StrMaxLen": 256,
    "EnumOpts": []
   },
   {
    "Id": 18,
    "Name": "Device Global Status",
    "TableId": 5,
    "Description": null,
    "FieldTypeId": 4,
    "StrMaxLen": 0,
    "EnumOpts":
     [
      {
       "Id": 1000,
       "Name": "Normal"
      },
      {
       "Id": 2000,
       "Name": "Unknown"
      },
      {
       "Id": 3000,
       "Name": "Warning"
      },
      {
       "Id": 4000,
       "Name": "Critical"
      },
      {
       "Id": 5000,
       "Name": "No Status"
      }
     ]
    },
     {
      "Id": 19,
      "Name": "Device Model",
      "TableId": 5,
      "Description": null,
      "FieldTypeId": 1,
      "StrMaxLen": 256,
      "EnumOpts": []
     },
     {
      "Id": 20,
      "Name": "Device Service Tag",
      "TableId": 5,
      "Description": null,
      "FieldTypeId": 1,
      "StrMaxLen": 256,
      "EnumOpts": []
     },
     {
      "Id": 23,
      "Name": "Device Asset Tag",
      "TableId": 5,
      "Description": null,
      "FieldTypeId": 1,
      "StrMaxLen": 256,
```

```
       "EnumOpts": []
      },
      {
       "Id": 15,
       "Name": "Sub-Category Prefix",
       "TableId": 4,
       "Description": null,
       "FieldTypeId": 1,
       "StrMaxLen": 20,
       "EnumOpts": []
      },
      {
       "Id": 16,
       "Name": "Sub-Category Description",
       "TableId": 4,
       "Description": null,
       "FieldTypeId": 1,
       "StrMaxLen": 256,
       "EnumOpts": []
      },
      {
       "Id": 3,
       "Name": "Alert Status",
       "TableId": 1,
       "Description": null,
       "FieldTypeId": 4,
       "StrMaxLen": 0,
       "EnumOpts":
        [
         {
          "Id": 1000,
          "Name": "Acknowledged"
         },
         {
          "Id": 2000,
          "Name": "Not Acknowledged"
         }
        ]
       },
       {
        "Id": 5,
        "Name": "Alert Message ID",
        "TableId": 1,
        "Description": null,
        "FieldTypeId": 1,
        "StrMaxLen": 256,
        "EnumOpts": []
        },
        {
         "Id": 2,
         "Name": "Alert Message",
         "TableId": 1,
         "Description": null,
         "FieldTypeId": 1,
         "StrMaxLen": 2048,
         "EnumOpts": []
        }
    ]
}
```

/api/QuerySupportService/QueryContexts(Id)/QuerySupportService.GetFiltersForContext

This URI represents summary information for all filters (queries) defined by using a specific Query Context.

GET method for QuerySupportService.GetFiltersForContext

This method returns summary filter information for all queries defined by using a specific Query Context. For the QuerySupportService, the term 'filter' refers to the row selection conditions for a query—WHERE part of a SQL statement.

Description	Returns summary filter information for all queries defined by using a specific Query Context. Information is only returned for queries that has a minimum of one selection condition.
Privilege	VIEW
HTTP response codes	200
Example Response Body	


```
[
    {
        "Id": 25000,
        "Name": "All PowerEdge Devices",
        "UsageId": 2,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1013,
        "Name": "Dell Compellent Arrays",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1010,
        "Name": "Dell iDRAC Servers",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1007,
        "Name": "Dell Networking Switches",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1008,
        "Name": "Fibre Channel Switches",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1017,
        "Name": "HCI Appliances",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1014,
        "Name": "Hypervisor Systems",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
```

```
    {
        "Id": 1016,
        "Name": "Hyper-V Servers",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1011,
        "Name": "Linux Servers",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1000,
        "Name": "Modular Systems",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1006,
        "Name": "Network Devices",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1025,
        "Name": "Non-Dell Servers",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1023,
        "Name": "OEM Servers",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1001,
        "Name": "PowerEdge Chassis",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1002,
        "Name": "PowerEdge FX2",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1003,
        "Name": "PowerEdge M1000e",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1004,
        "Name": "PowerEdge VRTX",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1009,
```

```
        "Name": "Servers",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1012,
        "Name": "Storage Devices",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1015,
        "Name": "VMware ESXi Servers",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1018,
        "Name": "VxRAIL",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1024,
        "Name": "Windows Servers",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    },
    {
        "Id": 1019,
        "Name": "XC",
        "UsageId": 1,
        "FilterText": "",
        "ContextId": 2
    }
]
```


Table 174. Attributes

Attribute	Description
Id	Unique identifier of the filter (query).
Name	Name of the filter.
UsageId	1=Query Group, 2=Report
FilterText	Unused
ContextId	The Query Context identifier of the filter. It should match the Query Context ID in the request.

/api/QuerySupportService/OperatorInfo

This URI represents the supported logical operators of a query.

GET method for OperatorInfo

This method returns a list of supported logical operators for each field type.

Description	Returns a list of supported logical operators for each field type.
Privilege	VIEW

HTTP response codes 200

Example Response Body


```
{
 "@odata.context": "/api/$metadata#QuerySupportService.OperatorInfo/$entity",
 "@odata.type": "#QuerySupportService.OperatorInfo",
 "@odata.id": "/api/QuerySupportService/OperatorInfo",
 "Operators":
  [
   {
    "Id": 1,
    "Name": "="
   },
   {
    "Id": 2,
    "Name": "!="
   },
   {
    "Id": 3,
    "Name": "<"
   },
   {
    "Id": 4,
    "Name": "<="
   },
   {
    "Id": 5,
    "Name": ">"
   },
   {
    "Id": 6,
    "Name": ">="
   },
   {
    "Id": 7,
    "Name": "contains"
   },
   {
    "Id": 8,
    "Name": "does not contain"
   },
   {
    "Id": 9,
    "Name": "is null"
   },
   {
    "Id": 10,
    "Name": "is not null"
   },
   {
    "Id": 11,
    "Name": "begins with"
   },
   {
    "Id": 12,
    "Name": "ends with"
   },
   {
    "Id": 13,
    "Name": "before"
   },
   {
    "Id": 14,
    "Name": "after"
   }
  ],
 "FieldTypes":
  [
   {
    "FieldTypeId": 1,
```

```
    "Name": "String",
    "OperatorIds":
    [
     1,
     2,
     3,
     4,
     5,
     6,
     11,
     12,
     7,
     8,
     9,
     10
    ]
   },
   {
    "FieldTypeId": 2,
    "Name": "Number",
    "OperatorIds":
    [
     1,
     2,
     3,
     4,
     5,
     6,
     9,
     10
    ]
   },
   {
    "FieldTypeId": 3,
    "Name": "Date-Time",
    "OperatorIds":
    [
     1,
     2,
     13,
     14,
     9,
     10
    ]
   },
   {
    "FieldTypeId": 4,
    "Name": "Enum",
    "OperatorIds":
    [
     1,
     2,
     9,
     10
    ]
   },
   {
    "FieldTypeId": 5,
    "Name": "Boolean",
    "OperatorIds":
    [
     1,
     2,
     9,
     10
    ]
   }
  ]
}
```

/api/QuerySupportService/Filters

This URI represents summary information for all filters.

GET method for Filters

This method returns summary information for all filters.

Description	Returns summary information for all filters.
Privilege	VIEW
HTTP response codes	200

Example Response Body


```
{
    "@odata.context": "/api/
$metadata#Collection(QuerySupportService.Filter)",
    "@odata.count": 23,
    "value": [
        {
            "@odata.type": "#QuerySupportService.Filter",
            "@odata.id": "/api/QuerySupportService/Filters(25000)",
            "Id": 25000,
            "Name": "All PowerEdge Devices",
            "UsageId": 2,
            "FilterText": "",
            "ContextId": 2,
            "Conditions": []
        },
        {
            "@odata.type": "#QuerySupportService.Filter",
            "@odata.id": "/api/QuerySupportService/Filters(1010)",
            "Id": 1010,
            "Name": "Dell iDRAC Servers",
            "UsageId": 1,
            "FilterText": "",
            "ContextId": 2,
            "Conditions": []
        },
        {
            "@odata.type": "#QuerySupportService.Filter",
            "@odata.id": "/api/QuerySupportService/Filters(1007)",
            "Id": 1007,
            "Name": "Dell Networking Switches",
            "UsageId": 1,
            "FilterText": "",
            "ContextId": 2,
            "Conditions": []
        },
        {
            "@odata.type": "#QuerySupportService.Filter",
            "@odata.id": "/api/QuerySupportService/Filters(1008)",
            "Id": 1008,
            "Name": "Fibre Channel Switches",
            "UsageId": 1,
            "FilterText": "",
            "ContextId": 2,
            "Conditions": []
        },
        {
            "@odata.type": "#QuerySupportService.Filter",
            "@odata.id": "/api/QuerySupportService/Filters(1000)",
            "Id": 1000,
            "Name": "Modular Systems",
            "UsageId": 1,
            "FilterText": "",
            "ContextId": 2,
            "Conditions": []
        },
```

```
        {
            "@odata.type": "#QuerySupportService.Filter",
            "@odata.id": "/api/QuerySupportService/Filters(1006)",
            "Id": 1006,
            "Name": "Network Devices",
            "UsageId": 1,
            "FilterText": "",
            "ContextId": 2,
            "Conditions": []
        }
    ]
}
```


/api/QuerySupportService/Filters(Id)

This URI represents detailed information for a query filter.

GET method for Filters(Id)

This method returns detailed information for a specific query filter.

Description	Returns detailed information for a specific query filter.
Privilege	VIEW
HTTP response codes	200

Example Response Body


```
{
 "@odata.context": "/api/$metadata#QuerySupportService.Filter/$entity",
 "@odata.type": "#QuerySupportService.Filter",
 "@odata.id": "/api/QuerySupportService/Filters(1007)",
 "Id": 1007,
 "Name": "",
 "UsageId": 0,
 "FilterText": "",
 "ContextId": 2,
 "Conditions":
 [
  {
   "LogicalOperatorId": 0,
   "LeftParen": true,
   "FieldId": 59,
   "OperatorId": 1,
   "Value": "101",
   "RightParen": true
  },
  {
   "LogicalOperatorId": 2,
   "LeftParen": true,
   "FieldId": 59,
   "OperatorId": 1,
   "Value": "102",
   "RightParen": true
  },
  {
   "LogicalOperatorId": 2,
   "LeftParen": true,
   "FieldId": 59,
   "OperatorId": 1,
   "Value": "202",
   "RightParen": true
  },
  {
   "LogicalOperatorId": 2,
   "LeftParen": true,
   "FieldId": 59,
```

```
    "OperatorId": 1,
    "Value": "203",
    "RightParen": true
   }
  ]
}
```

Groups service

NOTE: OData filtering does not work as expected when the following special characters are used: ,, \, _, %, #, ', +,), and &.

/api/GroupService/Groups

This URI represents the groups.

POST method for Groups

This method creates a group.

Description	Creates a group.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	201

Example Request Body

```
{
  "Id" : 0,
  "Name": "Test Group1",
  "Description": "Test Group1",
  "GlobalStatus": 0,
  "ParentId": 0
}
```

Example Response Body

```
{
  "Id": 1564,
  "Name": "Test Group1",
  "Description": "Test Group1",
  "TypeId": 3000,
  "MembershipTypeId": 12,
  "GlobalStatus": 0,
  "ParentId": 0,
  "CreatedBy": "root",
  "UpdatedBy": "",
  "CreationTime": "2017-06-08 20:14:37.252",
  "UpdatedTime": "2017-06-08 20:14:37.252",
  "Visible": true,
  "Editable": true,
  "DefinitionId": 400,
  "DefinitionDescription": "UserDefined"
}
```

/api/GroupService/Groups(Id)/SubGroups(Id)

This URI represents a subgroup within a group. While using this URI, provide the ID of the parent group and the ID of the subgroup.

DELETE method for SubGroups(Id)

This method deletes a subgroup.

Description	Deletes a subgroup.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	204

Table 176. Attributes

Attribute name	Description
Id—Groups(Id)	ID of the parent group.
Id—SubGroups(Id)	ID of the subgroup.

/api/GroupService/Groups(Id)/DeviceStatusSummary

This URI represents the device status counts.

GET method for DeviceStatusSummary

This method returns the device status counts per status value.

Description	Returns the device status counts per status value.
Privilege	VIEW
HTTP response codes	200

Example Response Body


```
{
  "@odata.context": "$metadata#Collection(GroupService.StatusSummary)",
  "@odata.count": 3,
  "value": [
    {
      "StatusType": 4000,
      "Count": 26
    },
    {
      "StatusType": 3000,
      "Count": 4
    },
    {
      "StatusType": 1000,
      "Count": 15
    }
  ]
}
```

/api/GroupService/Groups(Id)/EventStatusSummary

This URI represents the events status counts.

GET method for EventStatusSummary

This method returns events status counts per status values.

Description	Returns events status counts per status values.
Privilege	VIEW
HTTP response codes	200
Example Response Body	

```
{
  "@odata.context": "$metadata#Collection(GroupService.StatusSummary)",
  "@odata.count": 2,
  "value": [
    {
      "StatusType": 16,
      "Count": 21
    },
    {
      "StatusType": 8,
      "Count": 1
    }
  ]
}
```

/api/GroupService/Groups(group id)/EventSeveritySummary?$filter=StatusType eq 2000

This URL returns the count of unacknowledged alerts.

GET method for EventSeveritySummary?$filter=StatusType eq 2000

This method returns the count of unacknowledged alerts.

Description	Returns the count of unacknowledged alerts.

/api/GroupService/Groups(group id)/EventSeveritySummary?$filter=StatusType eq 1000

This URL returns the count of acknowledged alerts.

GET method for EventSeveritySummary?$filter=StatusType eq 1000

Description	This method returns the count of acknowledged alerts.

/api/GroupService/Groups(group id)/EventSeveritySummary$filter=StatusType eq 1

This URL returns the count of all the alerts.

GET method for EventSeveritySummary$filter=StatusType eq 1

Description	This method returns the count of all the alerts.

/api/GroupService/GroupAudits

This URI represents the group hierarchy.

GET method for GroupAudits

This method returns device groups and groups hierarchy changes.

Description	Returns device groups and groups hierarchy changes.
Privilege	VIEW
HTTP response codes	200
Example	

/api/GroupService/Actions/GroupService.CreateGroup

This URI represents creation of a group.

POST method for GroupService.CreateGroup

This method creates a group.

Description	Creates a group.
Privilege	GROUP_MANAGEMENT
HTTP response codes	200
Example Request Body	

```
 {
"GroupModel":
{
  "Id": 0,
  "Name": "00000",
 "Description": "GroupPermissionTest",
 "GlobalStatus": 0,
 "DefinitionId": 0,
 "MembershipTypeId":24,
 "ParentId": 0

},
"GroupModelExtension" :{
    "FilterId":0,
    "ContextId":2,
    "Conditions":[{
        "LogicalOperatorId":1,
        "LeftParen":false,
        "FieldId":9,
        "OperatorId":1,
        "Value":"1000",
        "RightParen":false
```

```
          }]

        }
}
```

/api/GroupService/Actions/GroupService.UpdateGroup

This URI represents the updates to a group.

PUT method for GroupService.UpdateGroup

This method updates a group.

Description	Updates a group.
Privilege	GROUP_MANAGEMENT
HTTP response codes	200
Example Request Body	

```
{
 "GroupModel": {
  "Id":25003,
  "Name": "Name update",
  "MembershipTypeId": 12,
  "ParentId": 1021
 }
}
```

/api/GroupService/Actions/GroupService.Clone

This URI represents cloning of a group.

POST method for GroupService.Clone

This method clones a group.

Description	Clones a group.
Privilege	GROUP_MANAGEMENT
HTTP response codes	200
Example Request Body	

```
{
    "Id": 3164,
  "Name": "Test Group-My122-cloned",
 "Description": "Test Group123-4",
 "GlobalStatus": 0,
 "DefinitionId": 0,
 "ParentId": 12
}
```

/api/GroupService/Actions/GroupService.DeleteGroup

This URI deletes a group.

NOTE: It is recommended to delete not more than 100 groups at a time.

POST method for GroupService.DeleteGroup

This method deletes group(s).

Description	Deletes group(s).
Privilege	GROUP_MANAGEMENT
HTTP response codes	204
Example Request Body	`{"GroupIds": [5114]}`

/api/GroupService/Actions/GroupService.AddMemberDevices

This URI represents adding devices to a group.

POST method for GroupService.AddMemberDevices

This method adds devices to a group.

Description	Adds devices to a group.
Privilege	GROUP_MANAGEMENT
HTTP response codes	204
Example Request Body	`{ "GroupId":2614, "MemberDeviceIds" : [2514] }`

/api/GroupService/Actions/GroupService.RemoveMemberDevices

This URI represents removing devices from a group.

POST method for GroupService.RemoveMemberDevices

This method removes device(s) from a group.

Description	Removes device(s) from a group.
Privilege	GROUP_MANAGEMENT
HTTP response codes	204
Example Request Body	`{ "GroupId":2614, "MemberDeviceIds" : [2514] }`

/api/GroupService/Actions/GroupService.AddUserToGroups

This URI represents adding users to groups.

POST method for GroupService.AddUserToGroups

This method adds user to a group.

Description	Adds user to a group.
Privilege	GROUP_MANAGEMENT
HTTP response codes	204
Example Request Body	

```
{
    "UserId" : 3864,
    "GroupIds" : [1314, 1264]
}
```

Profiles

/api/ProfileService/Profiles

This URI is used to create one or more profiles.

POST method for Profiles

Description	This method creates one or more profiles.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	201
Example request body	

```
{
   "TemplateId": 10,
   "NamePrefix": "profile",
   "Description": "serverProfile",
   "NumberOfProfilesToCreate":3,
   "NetworkBootToIso":{
      "BootToNetwork":true,
      "ShareType":"CIFS",
      "ShareDetail":{
         "IpAddress":"XX.XX.XX.XX",
         "ShareName":"XX.XX.XX.XX",
         "WorkGroup":"server",
         "User":"username",
         "Password":"password"
      },
      "IsoPath":"abc.iso",
      "IsoTimeout": 4
   }
}
```

GET method for Profiles

Description	This method retrieves profile information.

Privilege	VIEW
HTTP response codes	200

/api/ProfileService/Profiles(arg)

This URI is used to update the profile information, such as name, description, attributes, and boot ISO.

PUT method for Profiles(arg)

Description	This method updates the profile information, such as name, description, attributes, and boot ISO.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200
Example request body	

```
{
   "Id": 10081,
   "Name":"profile_updated",
   "Description": "serverProfile",
   "NetworkBootToIso":{
      "BootToNetwork":true,
      "ShareType":"CIFS",
      "ShareDetail":{
         "IpAddress":"XX.XX.XX.XX",
         "ShareName":"XX.XX.XX.XX",
         "WorkGroup":"server",
         "User":"username",
         "Password":"password"
      },
      "IsoPath":"abc.iso",
      "IsoTimeout": 8
   }
}
```

GET method for Profiles(arg)

Description	This method retrieves only one profile information.
Privilege	VIEW
HTTP response codes	200

/api/ProfileService/ProfileUsage

This URI returns the profile usage for all the profiles.

GET method for ProfileUsage

Description	This method returns the profile usage for all the profiles.
Privilege	VIEW
HTTP response codes	200

/api/ProfileService/Profiles(arg1)/AttributeDetails

This URI retrieves the attribute information for a profile id.

GET method for AttributeDetails

Description	This method retrieves the attribute information for a profile id.
Privilege	VIEW
HTTP response codes	200

Example response body	<pre>{
	"ProfileId": 10079
	}</pre>

/api/ProfileService/Actions/ProfileService.Rename

This URI renames existing profiles.

POST method for ProfileService.Rename

Description	This method renames existing profiles.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200

Example request body	<pre>{
	"ProfileId": 10079,
	"Name": "Edit_Profile_Name"
	}</pre>

/api/ProfileService/Actions/ProfileService.GetTargetSpecificAttributes

This URI retrieves the target specific attribute information based on the profile id.

POST method for ProfileService.GetTargetSpecificAttributes

Description	This method retrieves the target specific attribute information based on the profile id.
Privilege	VIEW
HTTP response codes	200

Example request body	<pre>{
	"ProfileId" : 10079
	}</pre>

/api/ProfileService/Actions/ ProfileService.GetIdentityAttributes

This URI retrieves the virtual identities associated with a profile id.

POST method for ProfileService.GetIdentityAttributes

Description	This method retrieves the virtual identities associated with a profile id.
Privilege	VIEW
HTTP response codes	200
Example request body	

```
{
    "ProfileId": 10079
}
```

/api/ProfileService/Actions/ProfileService.AssignProfile

This URI assigns a profile to a target device.

POST method for ProfileService.AssignProfile

Description	This method assigns a profile to a target device.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200
Example request body	

```
{
    "Id": 10079,
    "TargetId": 10087,
    "Attributes": [{
        "Id": 4506,
        "Value": null,
        "IsIgnored": true
    }],
    "NetworkBootToIso": {
        "BootToNetwork": true,
        "ShareType": "CIFS",
        "ShareDetail": {
            "IpAddress": "XX.XX.XX.XX",
            "ShareName": "XX.XX.XX.XX",
            "WorkGroup": "server",
            "User": "user1",
            "Password": "asdfff"
        },
        "IsoPath": "abc.iso",
         "IsoTimeout": 4
    },
    "Options": {
        "ShutdownType": 0,
        "TimeToWaitBeforeShutdown": 300,
        "EndHostPowerState": 1,
        "StrictCheckingVlan": true
    },
    "Schedule": {
        "RunNow": true,
        "RunLater": false
```

```
    }
}
```

/api/ProfileService/Actions/ProfileService.AssignProfileForAutoDeploy

This URI assigns profiles to the auto-deploy identifier.

POST method for ProfileService.AssignProfileForAutoDeploy

Description	This method assigns profiles to the auto-deploy identifier.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200

Example request body

```
{
    "Id": 10081,
    "Identifier": "AAAAAAA",
    "GroupId": null,
    "Attributes": [
        {
            "Id": 4506,
            "Value": null,
            "IsIgnored": true
        }
    ],
    "NetworkBootToIso": {
        "BootToNetwork": true,
        "ShareType": "CIFS",
        "ShareDetail": {
            "IpAddress": "XX.XX.XX.XX",
            "ShareName": "XX.XX.XX.XX",
            "WorkGroup": "server",
            "User": "user1",
            "Password": "asdfff"
        },
        "IsoPath": "abc.iso",
        "IsoTimeout": 4
    }
}
```

/api/ProfileService/Actions/ProfileService.SyncProfiles

This URI syncs the profiles with the profiles that are already deployed.

POST method for ProfileService.SyncProfiles

Description	This method syncs the profiles with the profiles that are already deployed.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200

Example request body

```
{
    "ProfileIds": [
        10079
    ],
```

```
    "Schedule": {
        "RunNow": true,
        "RunLater": false,
        "Cron": "",
        "StartTime": ""
    },
    "SelectAll": false,
    "Filters": "*"
}
```

/api/ProfileService/Actions/ProfileService.MigrateProfile

This URI migrates profiles from one device to another.

POST method for ProfileService.MigrateProfile

Description	This method migrates profiles from one device to another.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200
Example request body	

```
{
    "ProfileId": 10079,
    "TargetId": 10074,
    "ForceMigrate": false
}
```

/api/ProfileService/Actions/ ProfileService.UnassignProfiles

This URI unassigns profiles from devices and auto-deploy identifier.

POST method for ProfileService.UnassignProfiles

Description	This method unassigns profiles from devices and auto-deploy identifier.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200
Example request body	

```
Case 1: Send Profile Ids - to unassign the selected profiles in the profile wizard.
{    "ProfileIds":[17626,17627,17628]
}
Case 2: Unassign  All without filters - to unassign all the profiles in the profile
 wizard
{
               "SelectAll":true,
               "Filters":"*"
}

Case 3: Unassign  All with filters - to unassign all the profiles in the profils
wizard which matches the filter condition
{

"SelectAll":true,
                "Filters":"=contains(ProfileName,'test4')"
}
```

/api/ProfileService/ProfileStates

This URI retrieves the profile state information for all the profiles.

GET method for ProfileStates

Description	This method retrieves the profile state information for all the profiles.
Privilege	VIEW
HTTP response codes	200

/api/ProfileService/Actions/ProfileService.Delete

This URI deletes the profiles.

POST method for ProfileService.Delete

Description	This method deletes the profiles.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200

Example request body

```
Case 1: Send Profile Ids—To delete the selected profiles in the profile wizard
{    "ProfileIds":[17626,17627,17628]
}
Case 2: Delete  All without filters—To delete all the profiles in the profile wizard
{
               "SelectAll":true,
               "Filters":"*"
}

Case 3: Delete  All with filters—To delete all the profiles in the profils
wizard which matches the filter condition
{

"SelectAll":true,
                "Filters":"=contains(ProfileName,'test4')"
}
```

/api/ProfileService/Profiles(arg1)

This URI deletes the given profile id.

DELETE method for Profiles(arg1)

Description	This method deletes the given profile id.
Privilege	TEMPLATE_MANAGEMENT, AUTO_DEPLOY_MANAGEMENT
HTTP response codes	204

/api/ProfileService/Actions/ ProfileService.GetInvalidTargetsForDeployTemplate

This URI provides the invalid targets for template deployment.

POST method for ProfileService.GetInvalidTargetsForDeployTemplate

Description	This method provides the invalid targets for template deployment
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body	<pre>{
	"Id":9
	}</pre>

/api/ProfileService/Actions/ ProfileService.GetInvalidTargetsForAssignProfile

This URI provides the invalid targets for assigning profiles.

POST method for ProfileService.GetInvalidTargetsForAssignProfile

Description	This method provides the invalid targets for assigning profiles.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200

Example request body	<pre>{
	"Id":10129
	}</pre>

Devices

/api/DeviceService/HostKeys

This URL returns the list of known host keys.

GET method for HostKeys

Description	This method returns the list of known host keys.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200
Example response body	<pre>{</pre>

```
    "@odata.context": "/api/$metadata#Collection(DeviceService.HostKey)",
    "@odata.count": 1,
    "value": [
        {
            "@odata.type": "#DeviceService.HostKey",
            "@odata.id": "/api/DeviceService/HostKeys(1)",
            "Id": 1,
            "Identifier": "1.1.1.1",
            "Key":
"AAAAB3NzaC1yc2EAAAADAQABAAABAQDX2iFTkHd9LrRMhi02xTBlA5e/t/BGzwI21orZm/
Bb3OG6VWGmha9X/6X159IUiHgSQxPrwAt9/
GvfPKDFuIsRgoTyPKHZEIOZru1oKBAAV5Sm8xt9o1H8ovn+M/
qNTuSKuAwLLmvBKqb
+eWEGt4TVbq1A4Q0AxHkvJKlAhKYoOS0q6pJjYbi1chuy2wAYtS0JWc8OBG18UiaZq0SGF
mbP7cq4bdys4A49tht239Zo9Dl4MEcPW2qtcMUgg7SknKbTbe7Uc3NtX73qPLa/
BSLMfsd7qGEwkPPtDGReBqTjr
ZhVB065Ecr2kjldvPp3U/cnHYycXMRxD4dIr3DhWB9V",
            "Type": "SSH_KNOWN_HOSTS",
            "AssociatedDevice": 0
        }
    ]
}
```


/api/DeviceService/Actions/DeviceService.AddKeys

This URL enables you to manually add the known host keys.

POST method for DeviceService.AddKeys

Description	This method enables you to manually add the known host keys.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200

Example request body


```
{
"HostKeys":[
 {
 "Id":0,
 "Identifier":"10.35.155.224",
  "Key":"AAAAB3NzaC1yc2EAAAADAQABAAABAQDX2iFTkHd9LrRMhi02xTBlA5e/t/
BGzwI21orZm/
Bb3OG6VWGmha9X/6X159IUiHgSQxPrwAt9/
GvfPKDFuIsRgoTyPKHZEIOZru1oKBAAV5Sm8xt9o1H8ovn+M/
qNTuSKuAwLLmvBKqb
+eWEGt4TVbq1A4Q0AxHkvJKlAhKYoOS0q6pJjYbi1chuy2wAYtS0JWc8OBG18UiaZq0S
GFmbP7cq4bdys4A49tht239Zo9Dl4MEcPW2qtcMUgg7SknKbTbe7Uc3NtX73qPLa/
BSLMfsd7qGEwkPPtDGReB
qTjrZhVB065Ecr2kjldvPp3U/cnHYycXMRxD4dIr3DhWB9V",
 "Type":"SSH_KNOWN_HOSTS"

 }
 ]
}
```

/api/DeviceService/Actions/DeviceService.ScanAndAddKeys

This URL automatically scans and adds the known keys.

POST method for DeviceService.ScanAndAddKeys

Description	This method automatically scans and adds the known keys.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200

Example request body	<pre>{
	"Host":["1.1.1.1"]
	}</pre>

/api/DeviceService/Actions/DeviceService.RemoveKeys

This URL deletes the keys.

POST method for DeviceService.RemoveKeys

Description	This method deletes the keys.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200

Example request body	<pre>{
	"KeyIds":[
	  1,2,3,4
	]
	}</pre>

/api/DeviceService/Actions/DeviceService.AddCredentialToDevice

When an onboarding operation is initiated on the OpenManage Enterprise console, this URI is used to first add the credentials of the devices. This URI can be used to add credential information pertaining to management operations used for a particular target.

POST method for DeviceService.AddCredentialToDevice

Description	Adds the credential information of devices when an onboarding job is initiated.
Privilege	JOB_MANAGEMENT
HTTP response codes	204

Example request body	<pre>{
	    "DeviceId": [11199],</pre>

```
    "CredentialProfile": {
        "CredentialProfileId": 0,
        "CredentialProfile": "{\"profileName\":\"\",\"profileDescription
\":\"\",
\"type\":\"MANAGEMENT\",\"credentials\":[{\"id\":0,\"type\":\"WSMAN\",
\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"asdf\",
\"password\":\"sdf\",\"caCheck\":false,\"cnCheck\":false,\"port
\":443,\"retries\":3,
\"timeout\":60,\"isHttp\":false,\"keepAlive\":false}},{\"id\":0,\"type
\":\"REDFISH\",
"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username\":\"asdf
\",
\"password\":\"sdf\",\"caCheck\":false,\"cnCheck\":false,\"port
\":443,\"retries\":3,
\"timeout\":60,\"isHttp\":false,\"keepAlive\":false}}]}",
        "ProfileType": "2"
    }
}
```


Auto deploy

/api/AutoDeployService/Targets

This URL is used to get all the auto deploy targets.

GET method for Targets

Description	This method is used to get all the auto deploy targets.
Privilege	AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200

Example Response Body


```
{
    "@odata.context": "/api/
$metadata#Collection(AutoDeployService.AutoDeployTarget)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#AutoDeployService.AutoDeployTarget",
            "@odata.id": "/api/AutoDeployService/Targets(7)",
            "AutoDeployDeviceId": 7,
            "Identifier": "DT3Y6S1",
            "TemplateId": 9,
            "TemplateTypeId": 2,
            "TemplateName": "test-migrate",
            "GroupName": null,
            "IsBootToNetworkIso": false,
            "ShareIp": null,
            "ShareType": null,
            "IsoPath": null,
            "TaskId": 0,
            "TaskLastRunStatusId": 2200,
            "CreatedBy": "admin",
            "CreatedOn": "2019-05-15 17:24:29.411303"
        },
        {
            "@odata.type": "#AutoDeployService.AutoDeployTarget",
            "@odata.id": "/api/AutoDeployService/Targets(8)",
            "AutoDeployDeviceId": 8,
            "Identifier": "JHKP8R1",
            "TemplateId": 9,
```

```
            "TemplateTypeId": 2,
            "TemplateName": "test-migrate",
            "GroupName": null,
            "IsBootToNetworkIso": false,
            "ShareIp": null,
            "ShareType": null,
            "IsoPath": null,
            "TaskId": 0,
            "TaskLastRunStatusId": 2200,
            "CreatedBy": "admin",
            "CreatedOn": "2019-05-15 17:24:29.411303"
        }
    ]
}
```


/api/AutoDeployService/Actions/AutoDeployService.Verify

This URL validates the identifiers.

Post method for AutoDeployService.Verify

Description	This method validates the identifiers.
Privilege	AUTO_DEPLOY_MANAGEMENT
HTTP response codes	200

Example Request Body


```
{
 "AutoDeployId":0,
 "TemplateId":9,
   "Identifiers" : ["aad6aaa","dsf346fad","sr346hcf" ]

}
```


Example Response Body


```
{
    "AutoDeployId": 33,
    "AutoDeployDevices": [
        {
            "Identifier": "AAD6AAA",
            "ResultCode": 0,
            "BaseEntityId": 10327
        },
        {
            "Identifier": "DSF346FAD",
            "ResultCode": 1,
            "BaseEntityId": 0
        },
        {
            "Identifier": "SR346HCF",
            "ResultCode": 0,
            "BaseEntityId": 10328
        }
    ]
}
```


Table 177. Attributes

Attribute name	Description
ResultCode	0=Action Successful

Table 177. Attributes

Attribute name	Description
	1=Identifier has invalid length 2=A device with this identifier has already been discovered 3=An auto-deploy request exists for this identifier 4=The identifier is a Node ID, which cannot be used with a chassis-based template. 100=Invalid value for TeamplateId 101=Invalid value for AutoDeployId

/api/AutoDeployService/Actions/AutoDeployService.Delete

This URL deletes the list of autoDeployDevice IDs.

POST method for AutoDeployService.Delete

Description This method deletes the list of autoDeployDevice IDs.

Privilege AUTO_DEPLOY_MANAGEMENT

HTTP response codes 200

Example Request Body

```
Case 1: Send AutoDeployDeviceIds - to delete the selected devices in the
auto deploy wizard.
{
    "AutoDeployDeviceId":[17626,17627,17628],
               "SelectAll":false,
               "Filters":"*"
}


Case 2: Select  All without filters - to delete all the devices in the auto
deploy wizard
{
               "AutoDeployDeviceId":null,
               "SelectAll":true,
               "Filters":"*"
}

Case 3: Select  All with filters - to delete all the devices in the auto
deploy wizard which matches the filter condition
{
               "AutoDeployDeviceId":null,
               "SelectAll":true,

"Filters":"contains(Identifier,'RR')&contains(TemplateName,'sample')"
}
```

/api/AutoDeployService/AutoDeploy

After the identifiers are validated, this URL is used to complete the AutoDeploy request with the `NetworkBootIso` details.

POST method for AutoDeploy

Description	After the identifiers are validated, this method is used to complete the AutoDeploy request with the `NetworkBootIso` details.
Privilege	AUTO_DEPLOY_MANAGEMENT
HTTP response codes	201
Example Request Body	

```
{
    "AutoDeployId": 33,
    "GroupId": null,
    "NetworkBootIsoModel": {
        "BootToNetwork": true,
        "ShareType": "CIFS",
        "IsoPath": "abc.iso",
        "ShareDetail": {
            "IpAddress": "xx.xx.xx.xx",
            "ShareName": "10.22.33.22",
            "User": "asdf",
            "Password": "asdf"
        }
    },
    "Attributes": []
}
```

/api/AutoDeployService/AutoDeploy(AutoDeployId)

This URL cancels the autodeploy request before finalizing the request and deletes all the identifiers that are added in the validation API.

Delete method for AutoDeploy(AutoDeployId)

Description	This method cancels the autodeploy request before finalizing the request and deletes all the identifiers that are added in the validation API.
Privilege	AUTO_DEPLOY_MANAGEMENT
HTTP response codes	204
Example Request Body	

```
{
  "https://[ IP Address ]/api/AutoDeployService/AutoDeploy(1)"
}
```

Monitor

Discovery service

/api/DiscoveryConfigService/Jobs

This URI represents the information of discovery tasks.

GET method for Jobs

This method returns the discovery job information with discovery request details.

Description	Returns the discovery job information.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/
$metadata#Collection(DiscoveryConfigService.DiscoveryJob)",
    "@odata.count": 5,
    "value": [
        {
            "@odata.type": "#DiscoveryConfigService.DiscoveryJob",
            "@odata.id": "/api/DiscoveryConfigService/Jobs(25249)",
            "JobId": 25249,
            "JobName": "Discovery-2017033110553636",
            "JobDescription": "Discovery-2017033110553636",
            "JobSchedule": "",
            "JobStartTime": "2018-09-14 01:24:25.322",
            "JobEndTime": null,
            "JobProgress": "89",
            "JobStatusId": 2050,
            "JobNextRun": null,
            "JobEnabled": true,
            "UpdatedBy": "admin",
            "LastUpdateTime": "2018-09-14 01:24:25.338",
            "DiscoveryConfigGroupId": 8,
            "DiscoveryConfigExpectedDeviceCount": 256,
            "DiscoveryConfigDiscoveredDeviceCount": 0,
            "DiscoveryConfigEmailRecipient": null,
            "DiscoveredDevicesByType": []
        },
        {
            "@odata.type": "#DiscoveryConfigService.DiscoveryJob",
            "@odata.id": "/api/DiscoveryConfigService/Jobs(25125)",
            "JobId": 25125,
            "JobName": "Discovery-201809131357033",
            "JobDescription": "Discovery-201809131357033",
            "JobSchedule": "",
            "JobStartTime": "2018-09-13 18:57:19.374",
            "JobEndTime": "2018-09-13 19:12:24.776",
            "JobProgress": "100",
            "JobStatusId": 2090,
            "JobNextRun": "2018-09-13 18:57:19.235",
            "JobEnabled": true,
            "UpdatedBy": "admin",
            "LastUpdateTime": "2018-09-13 19:12:24.777",
            "DiscoveryConfigGroupId": 7,
            "DiscoveryConfigExpectedDeviceCount": 256,
            "DiscoveryConfigDiscoveredDeviceCount": 31,
            "DiscoveryConfigEmailRecipient": null,
            "DiscoveredDevicesByType": [
                {
                    "DeviceType": "SERVER",
```

```
                    "Count": 31
                }
            ]
        },
        {
            "@odata.type": "#DiscoveryConfigService.DiscoveryJob",
            "@odata.id": "/api/DiscoveryConfigService/Jobs(25120)",
            "JobId": 25120,
            "JobName": "Amit",
            "JobDescription": "Amit",
            "JobSchedule": "",
            "JobStartTime": "2018-09-13 16:48:22.428",
            "JobEndTime": "2018-09-13 00:00:00.0",
            "JobProgress": "100",
            "JobStatusId": 2102,
            "JobNextRun": "2018-09-13 16:25:04.174",
            "JobEnabled": true,
            "UpdatedBy": "admin",
            "LastUpdateTime": "2018-09-13 16:48:22.454",
            "DiscoveryConfigGroupId": 6,
            "DiscoveryConfigExpectedDeviceCount": 101,
            "DiscoveryConfigDiscoveredDeviceCount": 0,
            "DiscoveryConfigEmailRecipient": null,
            "DiscoveredDevicesByType": []
        },
        {
            "@odata.type": "#DiscoveryConfigService.DiscoveryJob",
            "@odata.id": "/api/DiscoveryConfigService/Jobs(25116)",
            "JobId": 25116,
            "JobName": "Discovery-2018091310582929",
            "JobDescription": "Discovery-2018091310582929",
            "JobSchedule": "",
            "JobStartTime": "2018-09-13 15:59:08.565",
            "JobEndTime": "2018-09-13 16:02:09.36",
            "JobProgress": "100",
            "JobStatusId": 2070,
            "JobNextRun": null,
            "JobEnabled": true,
            "UpdatedBy": "admin",
            "LastUpdateTime": "2018-09-13 16:02:09.361",
            "DiscoveryConfigGroupId": 5,
            "DiscoveryConfigExpectedDeviceCount": 256,
            "DiscoveryConfigDiscoveredDeviceCount": 0,
            "DiscoveryConfigEmailRecipient": null,
            "DiscoveredDevicesByType": []
        },
        {
            "@odata.type": "#DiscoveryConfigService.DiscoveryJob",
            "@odata.id": "/api/DiscoveryConfigService/Jobs(25099)",
            "JobId": 25099,
            "JobName": "Multiple",
            "JobDescription": "Multiple",
            "JobSchedule": "",
            "JobStartTime": "2018-07-26 19:35:01.976",
            "JobEndTime": "2018-07-26 19:36:34.075",
            "JobProgress": "100",
            "JobStatusId": 2060,
            "JobNextRun": "2018-07-26 19:20:04.796",
            "JobEnabled": true,
            "UpdatedBy": "admin",
            "LastUpdateTime": "2018-07-26 19:36:34.374",
            "DiscoveryConfigGroupId": 4,
            "DiscoveryConfigExpectedDeviceCount": 1,
            "DiscoveryConfigDiscoveredDeviceCount": 1,
            "DiscoveryConfigEmailRecipient": null,
            "DiscoveredDevicesByType": [
                {
                    "DeviceType": "SERVER",
                    "Count": 1
                }
            ]
        }
```

```
    ]
}
```

Table 178. Attributes

Attribute	Description
JobId	ID of the discovery job.
JobName	Name of the discovery job.
JobSchedule	Discovery job schedule information.
JobStartTime	Start time of the discovery job.
JobEndTime	Completion time of the discovery job.
JobProgress	Percentage of discovery job completion.
JobStatusId	Status of the discovery job. For example, Complete, Failed, and so on.
JobNextRun	If discovery job is scheduled, returns the next schedule time.
LastUpdateTime	Last updated time of the discovery job.
DiscoveryConfigExpectedDeviceCount	Total number of devices expected to be discovered by the job.
DiscoveryConfigDiscoveredDeviceCount	Total number of devices discovered by the job.

/api/DiscoveryConfigService/DiscoveryConfigGroups

This URI creates a discovery job.

POST method for DiscoveryConfigGroups

This method creates a discovery job.

Description Creates a discovery job.

Privilege DISCOVERY_MANAGEMENT

HTTP response codes 201

Example request body

```
{
   "DiscoveryConfigGroupName":"Discovery-2017033110553636",
   "DiscoveryConfigGroupDescription":"null",
   "DiscoveryConfigModels":[
      {
         "DiscoveryConfigId":331105536,
         "DiscoveryConfigDescription":"",
         "DiscoveryConfigStatus":"",
         "DiscoveryConfigTargets":[
            {
               "DiscoveryConfigTargetId":0,
               "NetworkAddressDetail":"xx.xx.xx.xx-xx.xx.xx.xx",
               "AddressType":30,
               "Disabled":false,
               "Exclude":false
            }
         ],
         "ConnectionProfileId":0,
         "ConnectionProfile":"{\"profileName\":\"\",\"profileDescription
\":\"\",\"type\":\"DISCOVERY\",\"credentials\":[{\"id\":0,\"type\":\"WSMAN
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"root\",\"password\":\"calvin\",\"caCheck\":false,\"cnCheck
\":false,\"port\":443,\"retries\":3,\"timeout\":60,\"isHttp
\":false,\"keepAlive\":false}}]}",
```

```
         "DeviceType":[
            1000
         ]
      }
   ],
   "Schedule":{
      "RunNow":true,
      "RunLater":false,
      "Cron":"startnow",
      "StartTime":"",
      "EndTime":""
   },
   "CreateGroup":true,
   "TrapDestination":false
}
```

Example to run discovery job at a later time

Example request body

```
{
   "DiscoveryConfigGroupName":"Discovery-2017091613542121",
   "DiscoveryConfigGroupDescription":"null",
   "DiscoveryConfigModels":[
      {
         "DiscoveryConfigId":916135421,
         "DiscoveryConfigDescription":"",
         "DiscoveryConfigStatus":"",
         "DiscoveryConfigTargets":[
            {
               "DiscoveryConfigTargetId":0,
               "NetworkAddressDetail":"xx.xx.xx.xx",
               "AddressType":30,
               "Disabled":false,
               "Exclude":false
            }
         ],
         "ConnectionProfileId":0,
         "ConnectionProfile":"{\"profileName\":\"\",\"profileDescription
\":\"\",\"type\":\"DISCOVERY\",\"credentials\":[{\"id\":0,\"type\":\"WSMAN
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"root\",\"password\":\"calvin\",\"caCheck\":false,\"cnCheck
\":false,\"port\":443,\"retries\":3,\"timeout\":60,\"isHttp
\":false,\"keepAlive\":false}}]}",
         "DeviceType":[
            1000
         ]
      }
   ],
   "Schedule":{
      "RunNow":false,
      "RunLater":true,
      "Cron":"0 55 19 16 9 ? 2017",
      "StartTime":"",
      "EndTime":""
   },
   "CreateGroup":true,
   "TrapDestination":false
}
```

Example to schedule a discovery job

Example request body

```
 {
   "DiscoveryConfigGroupName":"Discovery-2017091613573232",
   "DiscoveryConfigGroupDescription":"null",
   "DiscoveryConfigModels":[
      {
         "DiscoveryConfigId":916135732,
         "DiscoveryConfigDescription":"",
         "DiscoveryConfigStatus":"",
         "DiscoveryConfigTargets":[
```

```
            {
               "DiscoveryConfigTargetId":0,
               "NetworkAddressDetail":"xx.xx.xx.xx",
               "AddressType":30,
               "Disabled":false,
               "Exclude":false
            }
         ],
         "ConnectionProfileId":0,
         "ConnectionProfile":"{\"profileName\":\"\",\"profileDescription
\":\"\",\"type\":\"DISCOVERY\",\"credentials\":[{\"id\":0,\"type\":\"WSMAN
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"root\",\"password\":\"calvin\",\"caCheck\":false,\"cnCheck
\":false,\"port\":443,\"retries\":3,\"timeout\":60,\"isHttp
\":false,\"keepAlive\":false}}]}",
         "DeviceType":[
            1000
         ]
      }
   ],
   "Schedule":{
      "RunNow":false,
      "RunLater":true,
      "Cron":"0 * */10 * * ? *",
      "StartTime":"",
      "EndTime":""
   },
   "CreateGroup":true,
   "TrapDestination":false
}
```

Example to run discovery job with multiple protocols

Example request body

```
 {
   "DiscoveryConfigGroupName":"Discovery-2017091614032525",
   "DiscoveryConfigGroupDescription":"null",
   "DiscoveryConfigModels":[
      {
         "DiscoveryConfigId":916140325,
         "DiscoveryConfigDescription":"",
         "DiscoveryConfigStatus":"",
         "DiscoveryConfigTargets":[
            {
               "DiscoveryConfigTargetId":0,
               "NetworkAddressDetail":"xx.xx.xx.xx",
               "AddressType":30,
               "Disabled":false,
               "Exclude":false
            }
         ],
         "ConnectionProfileId":0,
         "ConnectionProfile":"{\"profileName\":\"\",\"profileDescription
\":\"\",\"type\":\"DISCOVERY\",\"credentials\":[{\"id\":0,\"type\":\"VMWARE
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"test\",\"password\":\"test\",\"caCheck\":false,\"cnCheck\":false,\"port
\":443,\"retries\":3,\"timeout\":60,\"isHttp\":false,\"keepAlive\":false}},
{\"id\":0,\"type\":\"WSMAN\",\"authType\":\"Basic\",\"modified
\":false,\"credentials\":{\"username\":\"teste\",\"password\":\"test
\",\"caCheck\":false,\"cnCheck\":false,\"port\":443,\"retries\":3,\"timeout
\":60,\"isHttp\":false,\"keepAlive\":false}},{\"id\":0,\"type\":\"SNMP
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"community
\":\"public\",\"enableV1V2\":true,\"port\":161,\"retries\":3,\"timeout\":3}},
{\"id\":0,\"type\":\"IPMI\",\"authType\":\"Basic\",\"modified
\":false,\"credentials\":{\"username\":\"test\",\"password\":\"test
\",\"privilege\":2,\"retries\":3,\"timeout\":59}},{\"id\":0,\"type\":\"SSH
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"test\",\"isSudoUser\":false,\"password\":\"test\",\"port\":22,\"useKey
\":false,\"retries\":1,\"timeout\":59,\"checkKnownHosts\":false}},{\"id
\":0,\"type\":\"REDFISH\",\"authType\":\"Basic\",\"modified
\":false,\"credentials\":{\"username\":\"test\",\"password\":\"test
\",\"caCheck\":false,\"cnCheck\":false,\"port\":443,\"retries\":2,\"timeout
```

```
\":4,\"isHttp\":false,\"keepAlive\":false}}]}",
         "DeviceType":[
            1000,
            2000,
            5000,
            7000
         ]
      }
   ],
   "Schedule":{
      "RunNow":true,
      "RunLater":false,
      "Cron":"startnow",
      "StartTime":"",
      "EndTime":""
   },
   "CreateGroup":true,
   "TrapDestination":false
}
```

Example to email a discovery task after completion

Example request body

```
{
   "DiscoveryConfigGroupName":"Discovery-2017091613591313",
   "DiscoveryConfigGroupDescription":"null",
   "DiscoveryStatusEmailRecipient":"test@dell.com",
   "DiscoveryConfigModels":[
      {
         "DiscoveryConfigId":916135913,
         "DiscoveryConfigDescription":"",
         "DiscoveryConfigStatus":"",
         "DiscoveryConfigTargets":[
            {
               "DiscoveryConfigTargetId":0,
               "NetworkAddressDetail":"10.0.0.0",
               "AddressType":30,
               "Disabled":false,
               "Exclude":false
            }
         ],
         "ConnectionProfileId":0,
         "ConnectionProfile":"{\"profileName\":\"\",\"profileDescription
\":\"\",\"type\":\"DISCOVERY\",\"credentials\":[{\"id\":0,\"type\":\"WSMAN
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"root\",\"password\":\"calvin\",\"caCheck\":false,\"cnCheck
\":false,\"port\":443,\"retries\":3,\"timeout\":60,\"isHttp
\":false,\"keepAlive\":false}}]}",
         "DeviceType":[
            1000
         ]
      }
   ],
   "Schedule":{
      "RunNow":true,
      "RunLater":false,
      "Cron":"startnow",
      "StartTime":"",
      "EndTime":""
   },
   "CreateGroup":true,
   "TrapDestination":false
}
```

Example for discovery of OME–Modular using OpenManage Enterprise with trap destination

Example request body

```
{
    "DiscoveryConfigGroupName": "Discovery-testesx2",
    "DiscoveryConfigGroupDescription": "null",
    "DiscoveryConfigModels": [{
```

```
        "DiscoveryConfigId": 916135421,
        "DiscoveryConfigDescription": "",
        "DiscoveryConfigStatus": "",
        "DiscoveryConfigTargets": [{
            "DiscoveryConfigTargetId": 0,
            "NetworkAddressDetail": "x.x.x.x",
            "AddressType": 30,
            "Disabled": false,
            "Exclude": false
        }],
        "ConnectionProfileId": 0,
        "ConnectionProfile": "{\"profileName\":\"\",\"profileDescription
\":\"\",\"type\":\"DISCOVERY\",\"credentials\":[{\"id\":0,\"type\":\"WSMAN
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"root\",\"password\":\"<password>\",\"caCheck\":false,\"cnCheck
\":false,\"port\":443,\"retries\":3,\"timeout\":60,\"isHttp
\":false,\"keepAlive\":false}},{\"id\":0,\"type\":\"REDFISH\",\"authType
\":\"Basic\",\"modified\":false,\"credentials\":{\"username\":\"root
\",\"password\":\"<password>\",\"caCheck\":false,\"cnCheck\":false,\"port
\":443,\"retries\":3,\"timeout\":60,\"isHttp\":false,\"keepAlive
\":false}}]}",
        "DeviceType": [2000]
    }],
    "Schedule": {
        "RunNow": true,
        "RunLater": false,
        "Cron": "startnow",
        "StartTime": "",
        "EndTime": ""
    },
    "CreateGroup": true,
    "TrapDestination": true
}
```

/api/DiscoveryConfigService/Actions/DiscoveryConfigService.RemoveDiscoveryGroup

This URI represents removing a discovery group.

POST method for DiscoveryConfigService.RemoveDiscoveryGroup

This method removes a discovery group.

Description	Removes a discovery group.
Privilege	DISCOVERY_MANAGEMENT
HTTP response codes	204
Example request body	

```
   {
"DiscoveryGroupIds":[1,2,3]
}
```

/api/DiscoveryConfigService/Actions/DiscoveryConfigService.Parse

This URI represents discovery ranges parsed from a .CSV file.

POST method for DiscoveryConfigService.Parse

This method parses the discovery ranges from the .CSV file.

Description	Parses the discovery ranges from the .CSV file.
Privilege	DISCOVERY_MANAGEMENT

HTTP response codes	201

Example request body

```
{ fileName="abc.csv" }
```

/api/DiscoveryConfigService/DiscoveryConfigGroups(groupId)

This URI updates a discovery task.

PUT method for DiscoveryConfigGroups(groupId)

This method edits a discovery task.

Description	Edits a discovery task.
Privilege	DISCOVERY_MANAGEMENT
HTTP response codes	200

Example request body

```
{
 "DiscoveryConfigGroupId":11,
 "DiscoveryConfigGroupName":"Discovery-2018022611572222",
 "DiscoveryConfigGroupDescription":"null",
  "DiscoveryConfigModels": [{
         "DiscoveryConfigId": 331105536,
         "DiscoveryConfigDescription": "",
         "DiscoveryConfigStatus": "",
         "DiscoveryConfigTargets": [{
          "DiscoveryConfigTargetId": 0,
          "NetworkAddressDetail": "xx.xx.xx.xx-xx.xx.xx.xx",
          "AddressType": 30,
          "Disabled": false,
          "Exclude": false
         }],
         "ConnectionProfile":"{\"profileName\":\"\",\"profileDescription
\":\"\",\"type\":\"DISCOVERY\",\"credentials\":[{\"id\":0,\"type\":\"REDFISH
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"root\",\"password\":\"calvin\",\"caCheck\":false,\"cnCheck
\":false,\"port\":443,\"retries\":2,\"timeout\":4,\"isHttp
\":false,\"keepAlive\":false}}]}",
         "DeviceType": [
          1000
         ]
        }],
  "DiscoveryConfigTaskParam": [],
        "DiscoveryConfigTasks": [],
        "Schedule": {
         "RunNow": true,
         "RunLater": false,
         "Cron": "startnow"

        },
        "CreateGroup":true,
        "TrapDestination":false
}
```

Example response body

```
{
    "DiscoveryConfigGroupId": 11,
    "DiscoveryConfigGroupName": "Discovery-2018022611572222-updated",
    "DiscoveryConfigGroupDescription": "Discovery-2018022611572222-updated",
    "DiscoveryStatusEmailRecipient": null,
    "DiscoveryConfigParentGroupId": 0,
    "CreateGroup": true,
    "DiscoveryConfigModels": [
```

```
        {
            "DiscoveryConfigId": 331105536,
            "DiscoveryConfigDescription": "",
            "DiscoveryConfigStatus": "",
            "DiscoveryConfigTargets": [
                {
                    "DiscoveryConfigTargetId": 0,
                    "NetworkAddressDetail": "xx.xx.xx.xx-xx.xx.xx.xx",
                    "SubnetMask": null,
                    "AddressType": 1,
                    "Disabled": false,
                    "Exclude": false
                }
            ],
            "ConnectionProfileId": 0,
            "ConnectionProfile": "{\"profileName\":\"\",\"profileDescription
\":\"\",\"type\":\"DISCOVERY\",\"credentials\":[{\"id\":0,\"type\":\"REDFISH
\",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{\"username
\":\"root\",\"password\":\"calvin\",\"caCheck\":false,\"cnCheck
\":false,\"port\":443,\"retries\":2,\"timeout\":4,\"isHttp
\":false,\"keepAlive\":false}}]}",
            "DeviceType": [
                1000
            ]
        }
    ],
    "DiscoveryConfigTaskParam": [
        {
            "TaskId": 25281,
            "TaskTypeId": 0,
            "ExecutionSequence": 0
        }
    ],
    "DiscoveryConfigTasks": [],
    "Schedule": {
        "RunNow": false,
        "RunLater": false,
        "Recurring": null,
        "Cron": "startnow",
        "StartTime": null,
        "EndTime": null
    },
    "TrapDestination": false,
    "ChassisIdentifier": null
}
```


Table 179. Attributes

Attribute name	Description
GroupId	Group Id
DiscoveryName	Discovery Name
Description	Definition for discovery Task
Schedule	Discovery job schedule information
TaskId	Id of the job
ConnectionProfileId	Connection profile Id
DeviceTypeList	List of all device types
DiscoveryConfiglist	Config details

Server-initiated discovery

/api/DiscoveryConfigService/Actions/DiscoveryConfigService.UploadNodeInfo

This URI uploads or creates the server credentials to the OpenManage Enterprise console.

POST method for ConfigService.UploadNodeInfo

Description	This method uploads the server credentials to the OpenManage Enterprise console.
Privilege	DISCOVERY_MANAGEMENT
HTTP response codes	200
Example request body	

```
{
              "AnnouncedTarget": [{
                              "ServiceTag": "D700",
                              "UserName": "root",
                              "Password": "calvin",
                              "CredentialType": "WSMAN"

              },
              {
                              "ServiceTag": "D600",
                              "UserName": "root",
                              "Password": "calvin",
                              "CredentialType": "WSMAN"

              }]

}
```

/api/DiscoveryConfigService/Actions/DiscoveryConfigService.SignalNodePresence

This URI is used by iDRAC to initiate contact with OpenManage Enterprise console. However, this API is accessible from the OpenManage Enterprise console only when the client certificate of the servers is signed by the Dell CA.

POST method for DiscoveryConfigService.SignalNodePresence

Description	This method is used by iDRAC to initiate contact with OpenManage Enterprise console. However, this API is accessible from the OpenManage Enterprise console only when the client certificate of the servers is signed by the Dell CA.
Privilege	Privilege is not required for this API.
HTTP response codes	200
Example request body	

```
{
    "ServiceTag": "B600",
    "RedfishPort": 443,
    "IPv4Addresses": ["10.35.0.30"],
    "IPv6Addresses": ["3001:db8::69", "2001:db8::5:c0e5"],
    "WebSSLCertificate": "---BEGIN CERTIFICATE--SSL certificate contents--
END CERTIFICATE---"
}
```

/api/DiscoveryConfigService/Actions/DiscoveryConfigService.DiscoverNodes

This URI is used to discover the servers manually after the servers initiate contact with the OpenManage Enterprise console and the credentials of the servers are added to the console.

POST method for DiscoveryConfigService.DiscoverNodes

Description	This method is used to discover the servers manually after the servers initiate contact with the OpenManage Enterprise console and the credentials of the servers are added to the console.
Privilege	DISCOVERY_MANAGEMENT
HTTP response codes	200
Example request body	

```
{
    "NodeId": [1, 2]
}
```

/api/DiscoveryConfigService/Actions/DiscoveryConfigService.DeleteSignaledNodes

This URI deletes the servers that are discovered by using the server-initiated discovery feature.

POST method for DiscoveryConfigService.DeleteSignaledNodes

Description	This method deletes the servers that are discovered by using the server-initiated discovery feature.
Privilege	DISCOVERY_MANAGEMENT
HTTP response codes	200
Example request body	

```
{
    "NodeId": [1, 2]
}
```

/api/DiscoveryConfigService/SignaledNodes

This URI is used to view the information, and status of the servers added by using the server-initiated discovery feature.

GET method for SignaledNodes

Description	This method is used to view the information, and status of the servers added by using the server-initiated discovery feature.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
"@odata.context": "/api/
$metadata#Collection(DiscoveryConfigService.AnnouncedTarget)
 HYPERLINK "mailto:%22,%0d%22@odata.count" "@odata.count": 2,
"value":[
{
"@odata.type": "#DiscoveryConfigService.AnnouncedTarget",
"@odata.id": "/api/DiscoveryConfigService/SignaledNodes(27)",
"Id": 27,
```

```
"ServiceTag": "B600",
"HasCredentials": true,
"IpAddress": "10.35.0.50",
"Status": "Discovered",
"AnnouncedTime": "2019-12-17 11:56:30.998267",
"DiscoveryTime": "2019-12-17 11:56:30.998267",
"TaskId": 10096,
"CreatedBy": "admin",
"CreatedOn": "2019-12-17 11:56:30.998267"
},
{
"@odata.type": "#DiscoveryConfigService.AnnouncedTarget",
"@odata.id": "/api/DiscoveryConfigService/SignaledNodes(26)",
"Id": 26,
"ServiceTag": "B700",
"HasCredentials": true,
"IpAddress": "10.35.0.51",
"Status": "Discovered",
"AnnouncedTime": "2019-12-17 11:56:30.997381",
"DiscoveryTime": "2019-12-17 11:56:30.997381",
"TaskId": 10096,
"CreatedBy": "admin",
"CreatedOn": "2019-12-17 11:56:30.997381"
}
]
}
```


Warranty service

/api/WarrantyService/Warranties

This URI represents the retrieval of warranty information from OpenManage Enterprise.

GET method for Warranties

This method returns warranty information from OpenManage Enterprise.

Description	Returns warranty information from OpenManage Enterprise.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
 "@odata.context": "/api/$metadata#Collection(WarrantyService.Warranty)",
 "@odata.count": 1,
 "value":
  [
   {
    "@odata.type": "#WarrantyService.Warranty",
    "@odata.id": "/api/WarrantyService/Warranties(25110)",
    "Id": 25110,
    "DeviceId": 25102,
    "DeviceModel": "PowerEdge C6420",
    "DeviceIdentifier": "GT2T0M2",
    "DeviceType": 1000,
    "CountryLookupCode": "N/A",
    "CustomerNumber": 0,
    "LocalChannel": "N/A",
    "OrderNumber": 0,
    "SystemShipDate": "0001-01-01 00:00:00.000",
    "State": "N/A",
    "ItemNumber": "N/A",
    "ServiceLevelCode": "N/A",
    "ServiceLevelDescription": "No valid warranties found",
    "ServiceLevelGroup": 0,
```

```
    "ServiceProvider": "N/A",
    "StartDate": "0001-01-01 00:00:00.000",
    "EndDate": "0001-01-01 00:00:00.000",
    "DaysRemaining": 0,
    "Timestamp": "2018-09-03 00:00:00.000"
   }
  ]
}
```

Table 180. Attributes

Attribute	Description
Top	Top records to return - default 100
Skip	Maximum records to skip - default 0
Orderby	Order to apply to the output
ID	Filter by event id - default 0
DeviceType	Filter by device type - default 0
DeviceIdentifier	Filter by device identifier
DeviceModel	Filter by device model - default 0
DaysRemaining	Filter by remaining days for warranty expiry
CustomerNumber	Filter by customer number- default 0
OrderNumber	Filter by order number - default 0

/api/WarrantyService/Actions/WarrantyService.WarrantyCount

This URI represents the warranty counts based on Warranty Setting Criteria for scoreboard

POST method for WarrantyService.WarrantyCount

This method returns the count of warranty based on Warranty Setting Criteria for scoreboard.

Description Returns the count of warranty based on Warranty Setting Criteria for scoreboard.

Privilege TRAP_MANAGEMENT

HTTP response codes 200

Example request body

```
{
 "NumberOfActiveWarranties":0,
 "NumberOfWarrantiesExpiringSoon":0,
 "NumberOfExpiredWarranties":0,
 "ScoreBoard": false
}
```

Example response body

```
{
 "NumberOfActiveWarranties": 16,
 "NumberOfWarrantiesExpiringSoon": 0,
 "NumberOfExpiredWarranties": 41,
 "ScoreBoard": false
}
```

/api/JobService/Jobs

This URL represents the creation of a warranty job.

POST method for Warranties

Description	This method creates a warranty job.
Privilege	JOB_MANAGEMENT
Example request body	

```
{
                                                                    "Id":0,
                                                                    "JobName":"Warranty Tas
                                                                    "JobDescription":"Warra
                                                                    "Schedule":"startnow",
                                                                    "State":"Enabled",
                                                                    "JobType":{
                                                                                    "Id":130,
"Name":"Warranty_Task"
                                                                    },
                                                                    "Params":[
                                                                                    {
"Key":"warrantyCollectionType",
"Value":"complete"
                                                                                    }
                                                                    ],
                                                                    "Targets":[
                                                                                    {
"Id":500,
"Data":"",
"TargetType":
"Id":6000,
"Name":"GROUP"
                                                                                    }
                                                                    ]
                                                        }
```

Report service

/api/ReportService/ReportDefs

This URI represents the OpenManage Enterprise report definitions.

GET method for ReportDefs

This method returns the definitions of reports.

Description	Returns the definitions of reports.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
 "@odata.context": "/api/$metadata#Collection(ReportService.ReportDef)",
 "@odata.count": 21,
 "value": [{
  "@odata.type": "#ReportService.ReportDef",
  "@odata.id": "/api/ReportService/ReportDefs(10042)",
  "Id": 10042,
  "Name": "Alert Counts per Device Report",
  "Description": "This report contains alert counts per severity and totals
per Device.",
  "IsBuiltIn": true,
  "LastEditedBy": "admin",
  "LastRunDate": "2018-09-11 15:36:17.05",
  "LastRunBy": "admin",
  "LastRunDuration": "0.38",
  "QueryDef": {
   "FilterId": 10012,
   "ContextId": 2
  },
  "ColumnNames": [{
    "Id": 1000,
    "Name": "Device Name",
    "Width": 30,
    "Sequence": 1
   },
   {
    "Id": 1001,
    "Name": "Device Service Tag",
    "Width": 20,
    "Sequence": 2
   },
   {
    "Id": 1002,
    "Name": "Device Type",
    "Width": 20,
    "Sequence": 3
   },
   {
    "Id": 1003,
    "Name": "Device Model",
    "Width": 30,
    "Sequence": 4
   },
   {
    "Id": 1004,
    "Name": "Critical",
    "Width": 20,
    "Sequence": 5
   },
   {
    "Id": 1005,
    "Name": "Warning",
    "Width": 20,
    "Sequence": 6
   },
   {
    "Id": 1006,
    "Name": "Normal",
    "Width": 20,
    "Sequence": 7
   },
   {
    "Id": 1007,
    "Name": "Info",
    "Width": 20,
    "Sequence": 8
   },
   {
    "Id": 1008,
    "Name": "Total",
```

```
    "Width": 20,
    "Sequence": 9
   }
  ],
  "FilterGroupId": 0,
  "QsmQuery": false,
  "ReportResults": {
   "@odata.id": "/api/ReportService/ReportDefs(10042)/ReportResults"
  }
 }]
}
```

Table 181. Attributes

Attribute	Description
Id	Report identifier
Name	Name of the report
Description	Description of the report
IsBuiltIn	Specifies whether it is a built-in report or a custom report
LastEditedBy	Time when report was last edited
LastRunDate	Time when the report was last run
LastRunBy	User who has run the report
LastRunDuration	Duration of the report run.
QueryDef	Information on the filters and context of the report
ColumnNames	Column names in the report
FilterGroupId	ID of the filter group in the report

POST method for ReportDefs

This method creates a report.

Description Creates a report.

Privilege REPORT_MANAGEMENT

HTTP response codes 201

Example request body

```
{
   "Name":"Test Report",
   "Description":"",
   "ColumnNames":[
      {
         "Width":20,
         "Sequence":0,
         "Name":"Device Name"
      },
      {
         "Width":20,
         "Sequence":1,
         "Name":"Device Service Tag"
      },
      {
         "Width":20,
         "Sequence":2,
         "Name":"Device Model"
      },
      {
         "Width":20,
```

```
            "Sequence":3,
            "Name":"Software Component ID"
         },
         {
            "Width":20,
            "Sequence":4,
            "Name":"Software Description"
         }
      ],
      "FilterGroupId":64,
      "QueryDefRequest":{
         "ContextId":3,
         "ResultFields":[
            {
               "FieldId":61
            },
            {
               "FieldId":64
            },
            {
               "FieldId":63
            },
            {
               "FieldId":99
            },
            {
               "FieldId":102
            }
         ],
         "SortFields":[

         ]
      }
}
```


PUT method for ReportDefs

This method updates a report.

Description	Updates a report.
Privilege	REPORT_MANAGEMENT
HTTP response codes	200
Example request body	


```
{
  "Id": 5614,
  "Name": "Test Report12 ",
  "Description": "Test Report 12",
  "ColumnNames": [{
   "Name": "Test Column1",
   "Width": 25,
   "Sequence": 1
  }, {
   "Name": "Test Column2",
   "Width": 25,
   "Sequence": 2
  }, {
   "Name": "Test Column 3",
   "Width": 25,
   "Sequence": 2
  }, {
   "Name": "Test Column1 4",
   "Width": 25,
   "Sequence": 2
  }],
  "QueryDefRequest": {
   "ContextId": 2,
```

```
   "Conditions": [{
    "LogicalOperatorId": 1,
    "LeftParen": false,
    "FieldId": 65,
    "OperatorId": 1,
    "Value": "1000",
    "RightParen": false
   }],
   "ResultFields": [{
    "FieldId": 71
   }, {
    "FieldId": 68
   }, {
    "FieldId": 69
   }, {
    "FieldId": 70
   }, {
    "FieldId": 65
   }],
   "SortFields": [{
    "FieldId": 65,
    "SortDir": 0
   }]
  }
 }
```

Table 182. Attributes

Attribute name	Description
ID	Report ID
Name	Report Name
Description	Definition of the report.
FilterGroupId	Group to filter the report output.
ColumnNames	Names of the columns for the reports.
QueryDefRequest	Definition of the query for the report.

/api/ReportService/ReportDefs(Id)/ReportResults

This URI represents the results of a report.

GET method for ReportResults

This method returns results of a report.

Description	Returns results of a report.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
 "@odata.context": "/api/$metadata#ReportService.ReportResult/$entity",
 "@odata.type": "#ReportService.ReportResult",
 "@odata.id": "/api/ReportService/ReportDefs(10031)/ReportResults",
 "Id": 3,
 "Title": "Device Overview Report",
 "TaskId": 25031,
 "ResultRowColumns": [{
   "Id": 21,
   "Name": "Device Name",
   "Width": 20,
   "Sequence": 0
```

```
  },
  {
   "Id": 22,
   "Name": "Device Type",
   "Width": 20,
   "Sequence": 1
  },
  {
   "Id": 23,
   "Name": "Device Model",
   "Width": 20,
   "Sequence": 2
  },
  {
   "Id": 24,
   "Name": "Identifier",
   "Width": 20,
   "Sequence": 3
  },
  {
   "Id": 25,
   "Name": "Device Asset Tag",
   "Width": 25,
   "Sequence": 4
  },
  {
   "Id": 26,
   "Name": "Datacenter",
   "Width": 25,
   "Sequence": 5
  },
  {
   "Id": 27,
   "Name": "Aisle",
   "Width": 25,
   "Sequence": 6
  },
  {
   "Id": 28,
   "Name": "Rack",
   "Width": 25,
   "Sequence": 7
  }
 ],
 "ResultRows@odata.navigationLink": "/api/ReportService/ReportDefs(10031)/
ReportResults/ResultRows"
}
```


/api/ReportService/ReportDefs(Id)/ReportResults/ResultRows

This URI represents the rows of the report results.

GET method for ResultRows

This method returns rows in the report results.

Description	Returns rows in the report results.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
    "@odata.context": "/api/
$metadata#Collection(ReportService.ReportResultRow)",
    "@odata.count": 1,
    "value": [
        {
```

```
            "@odata.type": "#ReportService.ReportResultRow",
            "Values": [
                "iDRAC-792B0M2",
                "SERVER",
                "PowerEdge R640",
                "792B0M2",
                "",
                "",
                "",
                ""
            ]
        }
    ]
}
```


/api/ReportService/Actions/ReportService.RunReport

This URI is used to run a report.

POST method for Running Reports

This method is used to run reports.

Description	Used to run reports.
Privilege	REPORT_RUN
HTTP response codes	200
Example request body	


```
{
   "ReportDefId":1564,
   "FilterGroupId":0
}
```


/api/ReportService/Actions/ReportService.DownloadReport

The URI downloads the reports.

NOTE: This API downloads the reports within the OpenManage Enterprise console instead of the location where you run the scripts.

POST method for ReportService.DownloadReport

This method downloads all the reports.

Description	Downloads all the reports.
Privilege	VIEW
HTTP response codes	200
Example request body	


```
{
 "ReportDefId":1564,
 "Format":"pdf"
}
```

/api/ReportService/Actions/ReportService.DeleteReports

This URI represents the reports deletion.

POST method for ReportService.DeleteReports

This method deletes all the reports.

Description	Deletes all the reports.
Privilege	REPORT_MANAGEMENT
HTTP response codes	200
Example request body	`[1564]`

/api/ReportService/Actions/ReportService.CloneReport

This URI represents cloning of a report.

POST method for ReportService.CloneReport

This method clones a report.

Description	Clones a group.
Privilege	REPORT_MANAGEMENT
HTTP response codes	200
Example request body	`{ "ReportDefId":"25074", "ReportDefName":"new clone report" }`

/api/ReportService/Actions/ReportService.EmailReport

Run and email the requested report.

POST method for ReportService.EmailReport

Description	Run and email the requested report.
Privilege	VIEW
HTTP response codes	200
Example request body	`{ "ReportDefId":10037, "Format":"pdf", "EmailIds":"abcd@xyz.com" }`

MIB import service

/api/MIBImportService/MIBS

This URI represents the MIB traps.

GET method for MIBS

This method returns the traps imported from all the MIBs. All the traps with information are listed and they an be grouped based on the catalog name.

Description	Returns the traps imported from all the MIBs.
Privilege	VIEW
HTTP response codes	200

Example request body

```
{
 "@odata.context": "/api/
$metadata#Collection(MIBImportService.GetTrapsPayload)",
 "@odata.count": 2269,
 "value": [{
  "@odata.type": "#MIBImportService.GetTrapsPayload",
  "EnterpriseOid": ".1.3.6.1.4.1.674.10892.1",
  "EventDefinition": {
   "Name": "enhancedAlertMemoryDeviceNonRecoverable",
   "EventCategory": {
    "Id": 1000,
    "EventCategoryName": "System Health"
   },
   "EventCatalog": {
    "EventCatalogId": 1000,
    "Name": "OMSA",
    "ReleaseVersion": "7.4.0"
   },
   "EventSubCategory": null,
   "EventType": {
    "EventTypeId": 1003,
    "Name": "SNMP",
    "Description": "SNMP event"
   },
   "Severity": {
    "Id": 16,
    "Name": "Critical",
    "Description": "Critical"
   },
   "EventDefinitionId": 1098064858,
   "Description": "Memory device status is non-recoverable."
  },
  "FormatString": "$3",
  "GenericTrapId": 6,
  "SnmpEventId": 1000,
  "SpecificTrapId": 5405
 }]
}
```

/api/MIBImportService/Actions/MIBImportService.Save

This URI represents the saved traps from MIBs.

POST method for MIBImportService.Save

This method saves parsed traps from MIB in the appliance. This URI provides functionality to save traps already parsed from the MIB.

Description	Saves parsed traps from MIB in the appliance.
Privilege	TRAP_MANAGEMENT

HTTP response codes	200

Example response body


```
[{
 "EnterpriseOid": ".1.3.6.1.4.1.674.10892.1123123",
 "EventDefinition": {
  "EventCatalog": {
   "EventCatalogId": 1000,
   "Name": "MIB-Dell-10892",
   "ReleaseVersion": "7.4.0"
  },
  "EventCategory": {
   "Id": 3300,
   "EventCategoryName": "System Health"
  },
  "EventDefinitionId": 1004542258,
  "EventSubCategory": {
   "Description": "Removable Flash media events",
   "Name": "vFlash Event",
   "Id": 4500,
   "Prefix": "RFM"
  },
  "EventType": {
   "EventTypeId": 1001,
   "Name": "SNMP",
   "Description": "SNMP event"
  },
  "Name": "test new",
  "Description": "test description",
  "Severity": {
   "Description": "Critical",
   "Name": "Critical",
   "Id": 16
  }
 },
 "FormatString": "$3",
 "GenericTrapId": 6,
 "SnmpEventId": 1142,
 "SpecificTrapId": 5754,
 "SnmpEventStatus": "NEW"
}]
```


/api/MIBImportService/Actions/MIBImportService.Parse

This URI represents the trap information by parsing MIBs.

POST method for MIBImportService.Parse

This method parses MIB files to get trap information. This URI accepts absolute file paths of the MIB file that need to be parsed.

Description	Parses MIB files to get trap information.
Privilege	TRAP_MANAGEMENT
HTTP response codes	200

Example request body

```
["/tmp/parseMib/10892.mib"]
```

/api/MIBImportService/Actions/MIBImportService.Delete

This URI represents the deletion of MIBs.

POST method for MIBImportService.Delete

This method deletes all the MIB files and the corresponding traps from the system.

Description	Deletes all the MIB files and the corresponding traps from the system.
Privilege	TRAP_MANAGEMENT
HTTP response codes	200
Example request body	`[1005]`

/api/MIBImportService/MIBImportService/EventSeverities

This URI represents the event severities.

GET method for EventSeverities

This method returns the event severities.

Description	Returns the event severities.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
 "@odata.context": "/api/
$metadata#Collection(MIBImportService.MIBEventSeverity)",
 "@odata.count": 5,
 "value": [{
  "@odata.type": "#MIBImportService.MIBEventSeverity",
  "@odata.id": "/api/MIBImportService/EventSeverities(1)",
  "Id": 1,
  "Name": "Unknown",
  "Description": "Unknown"
 }]
}
```

/api/MIBImportService/MIBImportService/EventCatalogs

This URI represents the event catalogs.

GET method for EventCatalogs

This method returns the event catalogs.

Description	Returns the event catalogs.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
 "@odata.context": "/api/
$metadata#Collection(MIBImportService.MIBEventCatalog)",
 "@odata.count": 46,
```

```
 "value": [{
  "@odata.type": "#MIBImportService.MIBEventCatalog",
  "@odata.id": "/api/MIBImportService/EventCatalogs(1000)",
  "BuiltIn": true,
  "EventCatalogId": 1000,
  "CatalogName": "OMSA",
  "InternalName": "MIB-Dell-10892",
  "ReleaseVersion": "7.4.0"
 }]
}
```

/api/MIBImportService/MIBImportService/EventCategories

This URI represents the event categories.

GET method for EventCategories

This method returns the event categories.

Description	Returns the event categories.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
 "@odata.context": "/api/
$metadata#Collection(MIBImportService.MIBEventCategory)",
 "@odata.count": 7,
 "value": [{
  "@odata.type": "#MIBImportService.MIBEventCategory",
  "@odata.id": "/api/MIBImportService/EventCategories(1000)",
  "Id": 1000,
  "EventCategoryName": "System Health"
 }]
}
```

Plugin Manager

NOTE: The APIs in this section can be used only when the Power Manager plug-in is installed on OpenManage Enterprise.

/api/PluginService/Plugins

This URL returns the plug-in list.

GET method for Plugins

Description	This method returns all the available plug-in.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
    "@odata.context": "/api/$metadata#Collection(PluginService.Plugin)",
    "@odata.count": 1,
    "value": [
```

```
        {
            "@odata.type": "#PluginService.Plugin",
            "@odata.id": "/api/PluginService/Plugins('2F6D05BE-EE4B-4B0E-
B873-C8D2F64A4625')",
            "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
            "Auto": false,
            "Name": "Power Manager",
            "UpdateAvailable": false,
            "Installed": true,
            "Enabled": true,
            "Publisher": "DELL EMC",
            "CurrentVersion": "1.0.0.9",
            "Description": "Dell EMC OpenManage Enterprise Power Manager is
an extension to the Dell EMC OpenManage Enterprise console and uses fine-
grained instrumentation to provide increased visibility over power
consumption, anomalies, and utilization.  In addition, the Power Manager
extension alerts and reports on thermal events with servers and groups of
servers.  This enables increased control, faster response times, greater
accuracy, and broader decision-making intelligence than would otherwise be
possible. When used with Dell EMC PowerEdge servers or chassis with the
required iDRAC Enterprise or Chassis Management Control (CMC) Enterprise
license, OpenManage Enterprise Power Manager leverages information from the
OpenManage Enterprise console for platform-level power management.
OpenManage Enterprise Power Manager then communicates with Integrated Dell
Remote Access Controller (iDRAC) or CMC on each managed server or chassis to
provide power-management data, as well as execution of control policy -
making it easy for IT professionals to identify areas to gain efficiencies
and cut wasteful costs. Features vary by access method and server model -
Please contact Sales or refer to: dell.com/support.",
            "InstalledDate": "2019-06-14 21:13:09.487",
            "LastUpdatedDate": null,
            "LastDisabledDate": null,
            "AvailableVersionDetails@odata.navigationLink": "/api/
PluginService/Plugins('2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625')/
AvailableVersionDetails"
        }
    ]
}
```


Table 183. Attributes

Attribute	Description
Id	Plug-in ID
Name	Plug-in name
UpdateAvailable	Is update available for the plug-in.
Installed	Is the plug-in already installed or not?
Enabled	Is the plug-in enabled or not?
Publisher	Plug-in publisher
CurrentVersion	Current installed version.
Description	Description associated with the plug-in.
InstalledDate	Last installed date of the plug-in.
LastUpdatedDate	Last updated date of the plug-in.
LastDisabledDate	Last disabled date of the plug-in.

/api/PluginService/Plugins('<PluginId>')

This URL returns the individual plug-in information.

GET method for Plugins('<PluginId>')

Description	This method returns the individual plug-in information.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/$metadata#PluginService.Plugin",
    "@odata.type": "#PluginService.Plugin",
    "@odata.id": "/api/PluginService/Plugins('2F6D05BE-EE4B-4B0E-B873-
C8D2F64A4625')",
    "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "Auto": true,
    "Name": "Power Manager",
    "UpdateAvailable": false,
    "Installed": true,
    "Enabled": true,
    "Publisher": "DELL EMC",
    "CurrentVersion": "1.0.0.9",
    "Description": "Dell EMC OpenManage Enterprise Power Manager is an
extension to the Dell EMC OpenManage Enterprise console and uses fine-
grained instrumentation to provide increased visibility over power
consumption, anomalies, and utilization.  In addition, the Power Manager
extension alerts and reports on thermal events with servers and groups of
servers.  This enables increased control, faster response times, greater
accuracy, and broader decision-making intelligence than would otherwise be
possible. When used with Dell EMC PowerEdge servers or chassis with the
required iDRAC Enterprise or Chassis Management Control (CMC) Enterprise
license, OpenManage Enterprise Power Manager leverages information from the
OpenManage Enterprise console for platform-level power management.
OpenManage Enterprise Power Manager then communicates with Integrated Dell
Remote Access Controller (iDRAC) or CMC on each managed server or chassis to
provide power-management data, as well as execution of control policy -
making it easy for IT professionals to identify areas to gain efficiencies
and cut wasteful costs. Features vary by access method and server model -
Please contact Sales or refer to: dell.com/support.",
    "InstalledDate": "2019-06-14 21:13:09.487",
    "LastUpdatedDate": null,
    "LastDisabledDate": null,
    "AvailableVersionDetails@odata.navigationLink": "/api/PluginService/
Plugins('2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625')/AvailableVersionDetails"
}
```


/api/PluginService/Plugins('<PluginId>')/AvailableVersionDetails

This URL returns the plug-in version information.

GET method for AvailableVersionDetails

Description	This method returns the plug-in version information.
Privilege	VIEW

HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/
$metadata#Collection(PluginService.VersionDetail)",
    "@odata.count": 1,
    "value": [
        {
            "@odata.type": "#PluginService.VersionDetail",
            "Version": "1.0.0.9",
            "Description": "Dell EMC OpenManage Enterprise Power Manager is
an extension to the Dell EMC OpenManage Enterprise console and uses fine-
grained instrumentation to provide increased visibility over power
consumption, anomalies, and utilization.  In addition, the Power Manager
extension alerts and reports on thermal events with servers and groups of
servers.  This enables increased control, faster response times, greater
accuracy, and broader decision-making intelligence than would otherwise be
possible. When used with Dell EMC PowerEdge servers or chassis with the
required iDRAC Enterprise or Chassis Management Control (CMC) Enterprise
license, OpenManage Enterprise Power Manager leverages information from the
OpenManage Enterprise console for platform-level power management.
OpenManage Enterprise Power Manager then communicates with Integrated Dell
Remote Access Controller (iDRAC) or CMC on each managed server or chassis to
provide power-management data, as well as execution of control policy -
making it easy for IT professionals to identify areas to gain efficiencies
and cut wasteful costs. Features vary by access method and server model -
Please contact Sales or refer to: dell.com/support.",
            "PackageSize": "4191876",
            "ReleaseNoteURL": " https://www.dell.com/openmanage-enterprise-
power-manager ",
            "MinimumOmeVersionRequired": "3.2.0"
        }
    ]
}
```


Table 184. Attributes

Attribute	Description
Version	Version of the plug-in.
Description	Description associated with the plug-in version.
PackageSize	Package size of the plug-in in bytes.
ReleaseNoteURL	Release note URL for the plug-in version.
MinimumOmeVersionRequired	Minimum OpenManage Enterprise version required for the plug-in version.

/api/PluginService/Actions/PluginService.CheckPluginCompatibility

This URL validates the plug-in to check if it is compatible with OpenMange Enterprise.

POST method for PluginService.CheckPluginCompatibility

Description	This method validates the plug-in to check if it is compatible with OpenManage Enterprise.
Privilege	APPLIANCE_SETUP
HTTP response codes	200

Example request body

```
{
    "OmeVersion": "1.0.0",
    "Plugins": [
            {
                "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
                "Version": "1.0.0.9"
            }
    ]
}

Response:
{
    "Plugins": [
        {
            "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
            "Compatible": false
        }
    ]
}
```

Table 185. Attributes

Attribute	Description
OmeVersion	If empty version is passed, current installed OpenManage Enterprise version is used to check compatibility. Version format 1.0.0.325 (major.minor.revision.BuildNumber). Build number is not required.
Id	ID of the plug-in.
Version	Version of the plug-in. Version should be same as mentioned in catalog file .
Compatible	Is the plug-in version compatible with the given OpenManage Enterprise version or not?

/api/PluginService/Actions/PluginService.UpdateConsolePlugins

This URL is used to install or uninstall, enable or disable, or update the plug-in.

POST method for PluginService.UpdateConsolePlugins

Description This method is used to install or uninstall, enable or disable, or update the plug-in.

Privilege APPLIANCE_SETUP

HTTP response codes 200

Example request body

```
{
    "Plugins":
    [
        {
            "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
            "Version": "1.0.0",
            "Action": "Install"
        },
        {
```

```
            "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4626",
            "Version": "1.1.0",
            "Action": "Install"
        }
    ]
}
```

Example response body

```
12098
```

Table 186. Attributes

Attribute	Description
Id	ID of the plug-in.
Version	Version of the plug-in.
Action	Plug-in Action—Install or Uninstall or Enable or Disable or Update. **NOTE:** • **The version is not required for uninstall, enable, and disable.** • **For install and update, the version that needs to be installed should be mentioned.** • **Only one action can occur at a time for multiple plug-ins.**
Output	The output returns the task ID.

Power Metrics

NOTE: The APIs in this section can be used only when the Power Manager plug-in is installed on OpenManage Enterprise.

/api/MetricService/Metrics

This URL returns all the device or group metrics.

NOTE: If the current temperature information of the constituent devices is not available, the most recent temperature information of a group displays an aggregation of the temperature values that were last collected by these constituent devices.

POST method for Metrics

Description This method returns all the device or group metrics.

Privilege VIEW

HTTP response codes 201

Example request body

```
{
   "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
   "EntityType": 0,
   "EntityId": 10397,
   "MetricTypes": [
            1,
            2,
            3
```

```
    ],
    "Duration": 0,
    "SortOrder":0
}
```

Example response body

```
{
"EntityId": 10397,
"Value":[
        {
            "Type": "1",
            "Value": "230.0",
            "Timestamp": "2019-07-02 13:45:05.147666"
        },
        {
            "Type": "2",
            "Value": "177.0",
            "Timestamp": "2019-07-02 13:45:05.147666"
        },
        {
            "Type": "3",
            "Value": "197.0",
            "Timestamp": "2019-07-02 13:45:05.147666"
        }
    ]

}
```

Table 187. Attributes

Attribute	Description
PluginId	ID of a plug-in.
EntityType	Type of entity—device or group.
EntityId	ID of an entity—device or group.
MetricTypes	Types of metrics supported.
Duration	Duration of metric data collection.
SortOrder	Order of metric data collected.
Type	Metric type
Value	Metric value
Timestamp	Collected date and time
Entity Type	
0	Device
1	Group
Metric Supported	
1	MAX_POWER—Maximum system power consumption
2	MIN_POWER—Minimum system power consumption
3	AVG_POWER—Average system power consumption
4	INSTANT_POWER—Instant system power
5	MAX_INLET_TEMP—Maximum Inlet Temperature
6	MIN_INLET_TEMP—Minimum Inlet Temperature
7	AVG_INLET_TEMP—Average Inlet Temperature

Table 187. Attributes (continued)

Attribute	Description
8	INSTANT_TEMP—Instant Inlet Temperature
9	MAX_UTIL_CPU—Maximum CPU utilization
10	MIN_UTIL_CPU—Minimum CPU utilization
11	AVG_UTIL_CPU—Average CPU utilization
12	MAX_UTIL_MEM—Maximum memory utilization
13	MIN_UTIL_MEM—Minimum memory utilization
14	AVG_UTIL_MEM—Average memory utilization
15	MAX_UTIL_IO—Maximum IO utilization
16	MIN_UTIL_IO—Minimum IO utilization
17	AVG_UTIL_IO—Average IO utilization
18	SYS_AIRFLOW—System Air Flow
Duration	
0	Recent
1	One hour
2	Six hours
3	Twelve hours
4	One day
5	Seven Days
6	One Month
7	Three Months
8	Six Months
9	One Year
Sort Order	
0	Descending
1	Ascending

/api/MetricService/TopEnergyConsumption

This URL represents the most high energy consumption.

POST method for TopEnergyConsumption

Description	This method returns the information of the most high energy consumption.
Privilege	VIEW
HTTP response codes	201
Example request body	

```
{
   "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
   "Top": 5,
```

```
   "EntityType": 0,
   "DeviceType": 1000,
   "Duration": 8
}
```

Example response body

```
{
"PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "Value": [
        {
            "Id": 10398,
            "Name": "SKCLUSN1.tejd.bdcsv.lab",
            "Value": "0.060"
        },
        {
            "Id": 10397,
            "Name": "SKCLUSN1.tejd.bdcsv.lab",
            "Value": "0.060"
        },
        {
            "Id": 10396,
            "Name": "SKCLUSN1.tejd.bdcsv.lab",
            "Value": "0.000"
        },
        {
            "Id": 10395,
            "Name": "SKCLUSN1.tejd.bdcsv.lab",
            "Value": "0.000"
        }
    ]
}
```

Table 188. Attributes

Attribute	Description
PluginId	ID of plug-in.
Top	Top values, 1–5.
EntityType	Type of entity device or group.
DeviceType	Type of device—server or chassis.
Duration	Duration
Entity Type	
0	Device
1	Group
Device Type	
1000	Server
2000	Chassis
Duration	
4	One day
5	One week
6	Two weeks
7	One month
8	Three months
9	Six months

Table 188. Attributes (continued)

Attribute	Description
10	One year

/api/MetricService/EnergyConsumption

This URL returns the energy consumption of the device.

POST method for EnergyConsumption

Description	This method returns the energy consumption of the device in KWH.
Privilege	VIEW
HTTP response codes	201

Example request body

```
{
   "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
   "EntityType": 0,
   "EntityId": 10395,
   "Duration": 4
}
```

Example response body

```
{
    "TotalEnergy": "0.044"
}
```

Table 189. Attributes

Attribute	Description
PluginId	ID of a plug-in.
EntityType	Type of an entity, only device.
EntityId	ID of an entity, only device.
Duration	Duration
Total Energy	Energy Consumption in KWH.
Duration	
1	One hour
2	Six hours
3	Twelve hours
4	One day
5	One week
6	Two weeks
7	One month
8	Three months
9	Six months
10	One year

/api/MetricService/MetricTypes

This URL returns all the supported metric types.

GET method for MetricTypes

Description	This method returns all the supported metric types.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
    "@odata.context": "/api/$metadata#Collection(MetricService.MetricType)",
    "@odata.count": 19,
    "value": [
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 1,
            "Name": "MAX_POWER",
            "Description": "Maximum System Power Consumption"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 2,
            "Name": "MIN_POWER",
            "Description": "Minimum System Power Consumption"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 3,
            "Name": "AVG_POWER",
            "Description": "Average System Power Consumption"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 4,
            "Name": "INSTANT_POWER",
            "Description": "Instant System Power"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 5,
            "Name": "MAX_INLET_TEMP",
            "Description": "Maximum Inlet Temperature"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 6,
            "Name": "MIN_INLET_TEMP",
            "Description": "Average Inlet Temperature"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 7,
            "Name": "AVG_INLET_TEMP",
            "Description": "Instant Inlet Temperature"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 8,
            "Name": "INSTANT_TEMP",
            "Description": "Minimum Inlet Temperature"
        },
        {
            "@odata.type": "#MetricService.MetricType",
```

```
            "Id": 9,
            "Name": "MAX_UTIL_CPU",
            "Description": "Maximum CPU uitilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 10,
            "Name": "MIN_UTIL_CPU",
            "Description": "Minimum CPU uitilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 11,
            "Name": "AVG_UTIL_CPU",
            "Description": "Average CPU utilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 12,
            "Name": "MAX_UTIL_MEM",
            "Description": "Maximum memory utilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 13,
            "Name": "MIN_UTIL_MEM",
            "Description": "Minimum memory utilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 14,
            "Name": "AVG_UTIL_MEM",
            "Description": "Average memory utilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 15,
            "Name": "MAX_UTIL_IO",
            "Description": "Maximum IO utilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 16,
            "Name": "MIN_UTIL_IO",
            "Description": "Minimum IO utilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 17,
            "Name": "AVG_UTIL_IO",
            "Description": "Average IO utilization"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 18,
            "Name": "SYS_AIRFLOW",
            "Description": "System Air Flow"
        },
        {
            "@odata.type": "#MetricService.MetricType",
            "Id": 19,
            "Name": "SYS_ENERGY",
            "Description": "System Energy Consumption"
        }
    ]
}
```

/api/MetricService/MetricsConsumption

This URL represents the aggregated metrics of the device or group.

POST method for MetricsConsumption

Description	This method returns the aggregated metrics of the device or group.
Privilege	VIEW
HTTP response codes	201

Example request body

```
{
   "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
   "EntityType": 0,
   "EntityId": 10397,
   "Duration": 1,
   "MetricTypes": [1,2,3]
}
```

Example response body

```
{
    "Value": [
        {
            "Type": "1",
            "Value": "242.0"
        },
        {
            "Type": "2",
            "Value": "176.0"
        },
        {
            "Type": "3",
            "Value": "192.75"
        }
    ]
}
```

Table 190. Attributes

Attribute	Description
PluginId	ID of a plug-in.
EntityType	Type of an entity—device or group.
EntityId	ID of an entity—device or group.
Duration	Duration
MetricTypes	Type that is supported by the metric.
Duration	
1	One hour
2	Six hours
3	Twelve hours
4	One day
5	Seven days
6	One month

Table 190. Attributes (continued)

Attribute	Description
7	Three months
8	Six months
9	One year
Metric Types	
1	MAX_POWER
2	MIN_POWER
3	AVG_POWER

/api/MetricService/Threshold

This URL represents the threshold set for an entity.

POST method for Threshold

Description This method returns the threshold value for power and temperature.

Privilege VIEW

HTTP response codes 201

Example request body

```
{
 "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
 "EntityId": 10079,
 "Type": "Temperature"
}
```

Example response body

```
{
    "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "EntityId": 10079,
    "Type": "Temperature",
    "State": "Unknown",
    "UpperWarning": "100",
    "UpperCritical": "150",
    "LowerWarning": "70",
    "LowerCritical": "80"
}
```

Table 191. Attributes

Attribute	Description
PluginId	ID of a plug-in.
EntityId	ID of an entity—device or group.
Type	Type—temperature or power.
State	State of an entity—unknown, normal, warning, critical.
UpperWarning	Upper limit threshold of state warning.
UpperCritical	Upper limit threshold of state critical.
LowerWarning	Lower limit threshold of state warning.

Table 191. Attributes (continued)

Attribute	Description
LowerCritical	Lower limit threshold of state critical.

/api/MetricService/TopOffenders

This URL returns the highest power and temperature information of offenders.

GET method for TopOffenders

Description	This method returns the highest power and temperature information of offenders.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
    "@odata.context": "/api/$metadata#Collection(MetricService.TopOffender)",
    "@odata.count": 1,
    "value": [
        {
            "Id": 18,
            "EntityId": 10105,
            "EntityName": "VishServer1",
            "TotalViolations": 1,
            "EntityType": 1,
            "ThresholdType": 7,
            "ViolationState": 4,
            "UpperCriticalViolations": 1,
            "UpperWarningViolations": 0,
            "LowerCriticalViolations": 0,
            "LowerWarningViolations": 0,
            "UpperCritical": 8,
            "UpperWarning": 7,
            "LowerCritical": 5,
            "LowerWarning": 6
        }
]
}
```

Table 192. Attributes

Attribute	Description
Id	Threshold ID
EntityId	ID of an entity—device or group
EntityName	Entity Name
TotalViolations	Total number of violations
EntityType	Type of entity—device or group
ThresholdType	Type of threshold—power or temperature
ViolationState	Violation state
UpperCriticalViolations	Upper critical violations
UpperWarningViolations	Upper warning violations
LowerCriticalViolations	Lower critical violations
LowerWarningViolations	Lower warning violations

Table 192. Attributes (continued)

Attribute	Description
UpperCritical	Upper critical threshold value
UpperWarning	Upper warning threshold value
LowerCritical	Lower critical threshold value
LowerWarning	Lower warning threshold value
Entity Type	
1	Device
2	Group
Threshold Type	
3	Power
7	Temperature
Violation State	
1	Unknown
2	Normal
3	Warning
4	Critical

/api/MetricService/Actions/MetricService.SaveThreshold

This URL configures the threshold of the device or group.

POST method for MetricService.SaveThreshold

Description This method configures the threshold of the device or group.

Privilege DEVICE_CONFIGURATION, GROUP_MANAGEMENT

HTTP response codes 200

Example request body

```
{
    "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "EntityId": 10079,
    "Type": "Temperature",
    "UpperCritical": "40",
    "UpperWarning": "30",
    "LowerWarning": "20",
    "LowerCritical": "10"

}
```

Example response body

```
{
    "ThresholdId": 1,
    "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "EntityId": 10079,
    "Type": "Temperature",
    "State": "Normal",
    "UpperCritical": "40",
       "UpperWarning": "30",
```

```
    "LowerWarning": "20",
    "LowerCritical": "10"
}
```

Table 193. Attributes

Attribute	Description
Supported threshold	LowerWarning, LowerCritical, UpperWarning, UpperCritical
Supported state	Unknown, Normal, Warning, Critical
Supported power	UpperWarning, UpperCritical
Supported temperature	LowerCritical, LowerWarning, UpperWarning, UpperCritical
Reset threshold	Pass empty values in all the threshold fields in the payload.
PluginId	ID of a plug-in.
EntityId	ID of an entity—device or group.
Type	Type—temperature or power.
State	State of an entity—unknown.
UpperCritical	Upper limit threshold of state critical.
UpperWarning	Lower limit threshold of state warning.
LowerWarning	Lower limit threshold of state warning.
LowerCritical	Lower limit threshold of state critical.

18

Redfish resource model

Dell EMC incrementally improves the support for API and the associated operations during the life cycle of the products.

The limited Redfish implementation follows the industry-standard DMTF specifications. For more information, see the documentation available on the DMTF website.

Topics:

- Redfish—ServiceRoot
- Redfish—SessionService
- Redfish—Account Service
- Redfish—Message Registry
- Redfish—Chassis
- Redfish—Systems
- Redfish—CompositionService

Redfish—ServiceRoot

This API returns the service root with links to go to Redfish and OpenManage Enterprise services.

redfish/v1

GET method for V1

This method returns the version details of the firmware.

Description	Returns the version details of the firmware.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/v1/$metadata#ServiceRoot.v1_2_0.ServiceRoot",
"@odata.type": "#ServiceRoot.v1_2_0.ServiceRoot",
"@odata.id": "/redfish/v1",
"Oem":{
"Dell":{
"@odata.context": "/redfish/v1/$metadata#EID_674ServiceRoot.ServiceRoot",
"@odata.type": "#EID_674ServiceRoot.ServiceRoot",
"@odata.id": "/api",
"NetworkService":{"@odata.id": "/api/NetworkService"},
"ManagementDomainService":{"@odata.id": "/api/ManagementDomainService"},
"IdentityPoolService":{"@odata.id": "/api/IdentityPoolService"},
"TemplateService":{"@odata.id": "/api/TemplateService"},
"NetworkConfigurationService":{"@odata.id": "/api/
NetworkConfigurationService"},
"SearchService":{"@odata.id": "/api/SearchService"},
"ApplicationService":{"@odata.id": "/api/ApplicationService"},
"AccountService":{"@odata.id": "/api/AccountService"},
"UpdateService":{"@odata.id": "/api/UpdateService"},
"JobService":{"@odata.id": "/api/JobService"},
"GroupService":{"@odata.id": "/api/GroupService"},
"DeviceService":{"@odata.id": "/api/DeviceService"},
"OAuthService":{"@odata.id": "/api/OAuthService"},
"SessionService":{"@odata.id": "/api/SessionService"},
```

```
"AlertService":{"@odata.id": "/api/AlertService"}
}
},
"Id": "RootService",
"Name": "Root Service",
"Links":{
"Sessions":{
"@odata.id": "/redfish/v1/SessionService/Sessions"
},
"Oem":{
}
},
"RedfishVersion": "1.2.0",
"CompositionService":{
"@odata.id": "/redfish/v1/CompositionService"
},
"AccountService":{
"@odata.id": "/redfish/v1/AccountService"
},
"Chassis":{
"@odata.id": "/redfish/v1/Chassis"
},
"Systems":{
"@odata.id": "/redfish/v1/Systems"
},
"SessionService":{
"@odata.id": "/redfish/v1/SessionService"
},
"Registries":{
"@odata.id": "/redfish/v1/Registries"
}
}
```


redfish/v1/$metadata

GET method for metadata

This method returns metadata details for Redfish APIs.

Description	Returns details of all the jobs.
Privilege	VIEW
HTTP response codes	200

Example response body


```
<?xml version="1.0" encoding="UTF-8" ?>
<edmx:Edmxxmlns:edmx="http://docs.oasis-open.org/odata/ns/edmx"Version="4.0">
<edmx:ReferenceUri="/redfish/v1/schemas/ServiceRoot_v1.xml">
<edmx:IncludeNamespace="ServiceRoot"/>
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</edmx:Reference>
<edmx:DataServices>
<Schemaxmlns="http://docs.oasis-open.org/odata/ns/edm"Namespace="Service">
<EntityContainerName="Service"Extends="ServiceRoot.v1_0_0.ServiceContainer"/>
</Schema>
</edmx:DataServices>
</edmx:Edmx>
```

redfish/v1/odata

This API represents chassis details.

GET method for odata

This method returns chassis details.

Description	Returns the chassis details.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
"@odata.context": "$metadata",
"value":[
{
"name": "CompositionService",
"url": "/redfish/v1/CompositionService",
"kind": "Singleton"
},
{
"name": "AccountService",
"url": "/redfish/v1/AccountService",
```

```
"kind": "Singleton"
},
{
"name": "Systems",
"url": "/redfish/v1/Systems",
"kind": "Singleton"
},
{
"name": "Chassis",
"url": "/redfish/v1/Chassis",
"kind": "Singleton"
},
{
"name": "Managers",
"url": "/redfish/v1/Managers",
"kind": "Singleton"
},
{
"name": "TaskService",
"url": "/redfish/v1/TaskService",
"kind": "Singleton"
},
{
"name": "SessionService",
"url": "/redfish/v1/SessionService",
"kind": "Singleton"
},
{
"name": "Registries",
"url": "/redfish/v1/Registries",
"kind": "Singleton"
},
{
"name": "MessageRegistryCollection",
"url": "/redfish/v1/MessageRegistryCollection",
"kind": "Singleton"
}
]
}
```


Redfish—SessionService

This resource enables you to access the session service. Using this resource, you can view the sessions, create a session, delete a session, and so on.

Use the URI in this resource to access the session service and the associated actions.

/redfish/v1/SessionService

This URI represents the collection of session services.

GET method for SessionService

This method returns a collection of session service.

Description	Returns a collection of session service.
Privilege	VIEW
HTTP response codes	200
Example response body	


```
{
  "@odata.context": "$metadata#SessionService.SessionService",
  "@odata.id": "/api/SessionService",
  "Id": "SessionServiceID",
```

```
  "Description": "SessionService",
  "Name": "SessionService",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK"
  },
  "ServiceEnabled": true,
  "SessionTimeout": 1800,
  "Actions": null,
  "Sessions": [
    {
      "@odata.id": "/api/SessionService/Sessions"
    }
  ]
}
```

Table 194. Attributes

Attribute name	Description
Id	ID of the session service.
ServiceEnabled	Indicates if the session service is enabled or disabled.
SessionTimeout	The period of time after which the session is timed out.

/redfish/v1/SessionService/Sessions/Members

This URI represents the active session services.

GET method for Members

This method returns a collection of the active session services.

Description	Returns a collection of the active session services.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#Collection(SessionService.Session)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/SessionService/Sessions('7b723932-a119-4843-
a5b7-7a122e4def99')",
      "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
      "Description": "root",
      "Name": "API",
      "UserName": "root",
      "Password": null,
      "Roles": [
        "ADMINISTRATOR"
      ],
      "IpAddress": "xx.xx.xx.xx",
      "StartTimeStamp": "2017-04-17 20:07:12.357",
      "LastAccessedTimeStamp": "2017-04-17 20:07:45.482"
    }
  ]
}
```

Table 195. Attributes

Attribute name	Description
Id	ID of the session service.
UserName	User name of the active session.
Password	Password of the active session.
Roles	Privilege assigned to the role.
IpAddress	IP Address of session source.
StartTimeStamp	Date and time when the session began.
LastAccessedTimeStamp	Date and time when the session was last accessed.

POST method for Members

This method authenticates a user and establishes a session.

Description Establishes a session.

Privilege SECURITY_SETUP

HTTP response codes 200

Example request body

```
{
     "UserName":"root",
  "Password":"linux",
  "SessionType":"API"
}
```

Example response body

```
{
  "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
  "Description": "root",
  "Name": "API",
  "UserName": "root",
  "Password": null,
  "Roles": [
    "ADMINISTRATOR"
  ],
  "IpAddress": "xx.xx.xx.xx",
  "StartTimeStamp": "2017-04-17 20:07:12.357",
  "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}
```

Table 196. Attributes

Attribute name	Description
Id	ID of the session service.
UserName	User name of the active session.
Password	Password of the active session.
Roles	Privilege assigned to the role.
IpAddress	IP Address of session source.
StartTimeStamp	Date and time when the session began.
LastAccessedTimeStamp	Date and time when the session was last accessed.

/redfish/v1/SessionService/Sessions/Members(Id)

This URI represents a specific session.

GET method for Members(Id)

This method returns the details of a specific session.

Description	Returns the details of a session.
Privilege	SECURITY_SETUP
HTTP response codes	200

Example request body

```
URI: /api/SessionService/Sessions/Sessions('7b723932-a119-4843-
a5b7-7a122e4def99')


{
     "UserName":"root",
  "Password":"linux",
  "SessionType":"API"
}
```

Example response body

```
{
  "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
  "Description": "root",
  "Name": "API",
  "UserName": "root",
  "Password": null,
  "Roles": [
    "ADMINISTRATOR"
  ],
  "IpAddress": "xx.xx.xx.xx",
  "StartTimeStamp": "2017-04-17 20:07:12.357",
  "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}
```

DELETE method for Members(Id)

This method deletes a session.

Description	Deletes a session.
Privilege	SECURITY_SETUP
HTTP response code	204

Example request body

```
/api/SessionService/Sessions/Sessions('7b723932-a119-4843-a5b7-7a122e4def99')
```

Redfish—Account Service

This resource enables you to access the account configuration. Using this resource, you can view the accounts and their roles, update the configuration of accounts, delete accounts, and so on.

Use the URIs in this resource to access the account service and the associated actions.

/redfish/v1/AccountService

This URI represents the account configuration of all the accounts.

GET method for AccountService

This method returns the account configuration of all the accounts.

Description	Returns the account configuration.
Privilege	VIEW
HTTP response codes	200

Example response body

```
{
  "@odata.context": "$metadata#AccountService.v1_0_2.AccountService",
  "@odata.id": "/redfish/v1/AccountService",
  "Oem": {
    "Dell": {
      "ByUserName": false,
      "ByIPAddress": false,
      "EnableIpRangeAddress": false
    }
  },
  "Id": "10",
  "Description": "OME-Modular User Accounts",
  "Name": "Account Service",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK",
    "Oem": null
  },
  "ServiceEnabled": false,
  "AuthFailureLoggingThreshold": 3,
  "MinPasswordLength": 8,
  "MaxPasswordLength": 20,
  "AccountLockoutThreshold": 3,
  "AccountLockoutDuration": 30,
  "AccountLockoutCounterResetAfter": 900,
  "Accounts": {
    "@odata.id": "/redfish/v1/AccountService/Accounts"
  },
  "Roles": {
    "@odata.id": "/redfish/v1/AccountService/Roles"
  }
}
```

Table 197. Attributes

Attribute name	Description
ID	ID of the account service.
Description	Description of the account service.
Name	Name of the account service.
ByUserName	Indicates if the service is configured by user name.
ByIPAddress	Indicates if the service is configured by IP address.
State	Indicates the known state of the resource.
HealthRollup	Health roll-up status
Health	Health of the resource.
MinPasswordLength	Minimum length of the password.

Table 197. Attributes (continued)

Attribute name	Description
MaxPasswordLength	Maximum length of the password.
ServiceEnabled	Indicates if the service is enabled or disabled.
AuthFailureLoggingThreshold	The number of authorization failures after which the failure attempt is logged in the Manager log.
AccountLockoutThreshold	The number of failed login attempts after which a user account is locked for the specified duration. 0 indicates that the account is never locked.
AccountLockoutDuration	Number of seconds for which an account is locked after the account lockout threshold is met. This value must be equal to or greater than the value for *AccountLockoutResetAfter*. 0 indicates that the account is never locked.
AccountLockoutCounterResetAfter	Number of seconds after which the lockout threshold counter is reset to zero. The duration is counted from the last failed login attempt. This value must be equal to or less than the value for *AccountLockoutDuration*.
EnableIpRangeAddress	Indicates if IP range address is enabled or disabled.
IpRangeAddress	IP range address to be used.

PUT method for AccountService

This method updates the account configuration of all the accounts.

Description Updates the account configuration.

Privilege SECURITY_SETUP

HTTP response codes 200

Example request body

```
{
  "Id": "10",
  "Description": "OME-Modular User Accounts",
  "Name": "Account Service",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK"
  },
  "ServiceEnabled": false,
  "AuthFailureLoggingThreshold": 3,
  "MinPasswordLength": 8,
  "MaxPasswordLength": 20,
  "AccountLockoutThreshold": 3,
  "AccountLockoutDuration": 30,
  "AccountLockoutCounterResetAfter": 900
}
```

Example response body

```
{
  "Id": "10",
  "Description": "OME-Modular User Accounts",
  "Name": "Account Service",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK",
```

```
    "Oem": null
  },
  "Oem": null,
  "AuthFailureLoggingThreshold": 3,
  "MinPasswordLength": 8,
  "MaxPasswordLength": 20,
  "AccountLockoutThreshold": 3,
  "AccountLockoutDuration": 30,
  "AccountLockoutCounterResetAfter": 900,
  "IpRangeAddress": null,
  "ServiceEnabled": false,
  "ByUserName": false,
  "ByIPAddress": false,
  "EnableIpRangeAddress": false
}
```


Table 198. Attributes

Attribute name	Description
ID	ID of the account service.
Description	Description of the account service.
Name	Name of the account service.
ByUserName	Indicates if the service is configured by user name.
ByIPAddress	Indicates if the service is configured by IP address.
State	Indicates the known state of the resource.
HealthRollup	Health roll-up status
Health	Health of the resource.
MinPasswordLength	Minimum length of the password.
MaxPasswordLength	Maximum length of the password.
ServiceEnabled	Indicates if the service is enabled or disabled.
AuthFailureLoggingThreshold	The number of authorization failures after which the failure attempt is logged in the Manager log.
AccountLockoutThreshold	The number of failed login attempts after which a user account is locked for the specified duration. 0 indicates that the account is never locked.
AccountLockoutDuration	Number of seconds for which an account is locked after the account lockout threshold is met. This value must be equal to or greater than the value for *AccountLockoutResetAfter*. 0 indicates that the account is never locked.
AccountLockoutCounterResetAfter	Number of seconds after which the lockout threshold counter is reset to zero. The duration is counted from the last failed login attempt. This value must be equal to or less than the value for *AccountLockoutDuration*.
EnableIpRangeAddress	Indicates if IP range address is enabled or disabled.
IpRangeAddress	IP range address to be used.

/redfish/v1/AccountService/Accounts/Members

This URI represents a collection of all the accounts.

GET method for Members

This method returns a collection of all the accounts.

Description	Returns a collection of all the accounts.
Privilege	VIEW
HTTP response codes	200

Example response body


```
{
"@odata.context": "/redfish/
v1/$metadata#Collection(ManagerAccount.v1_1_3.ManagerAccount)",
"@odata.count": 2,
"value":[
{
"@odata.type": "#ManagerAccount.v1_1_3.ManagerAccount",
"@odata.id": "/redfish/v1/AccountService/Accounts/Members('10042')",
"Oem":{"Dell":{"UserTypeId": 1, "DirectoryServiceId": 0, "IsBuiltin":
true }},
"Id": "10042",
"Description": "root",
"Name": "root",
"Password": null,
"UserName": "root",
"RoleId": "10",
"Locked": false,
"Enabled": true
},
{
"@odata.type": "#ManagerAccount.v1_1_3.ManagerAccount",
"@odata.id": "/redfish/v1/AccountService/Accounts/Members('10268')",
"Oem":{
"Dell":{
"UserTypeId": 1,
"DirectoryServiceId": 0,
"IsBuiltin": false
}
},
"Id": "10268",
"Name": "compute",
"Password": null,
"UserName": "compute",
"RoleId": "10",
"Locked": false,
"Enabled": true
}
]
}
```


Table 199. Attributes

Attribute name	Description
Id	ID of the account.
UserTypeId	ID of the type of user.
DirectoryServiceId	ID of the directory service.
Description	Description of the user.
Name	Name of the user. This value is the same as user name.

Table 199. Attributes (continued)

Attribute name	Description
Password	Password for the user. This value is not displayed while retrieving the details.
UserName	User name of the account.
RoleId	Role for the account.
Locked	Indicates whether the account is locked.
IsBuiltin	Indicates whether the account is an integrated account.
Enabled	Indicates whether the account is enabled.

POST method for Members

This method creates an account.

Description Creates an account.

Privilege SECURITY_SETUP

HTTP response codes 201

Example request body

```
{
  "Description": "user2 description",
  "Name": "user2",
  "Password": "Dell123$",
  "UserName": "user2",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}
```

Example response body

```
{
  "Id": "3064",
  "UserTypeId": 1,
  "DirectoryServiceId": 0,
  "Name": "user2",
  "Password": null,
  "UserName": "user2",
  "Description": "user2 description",
  "Oem": null,
  "RoleId": "10",
  "Locked": false,
  "IsBuiltin": false,
  "Enabled": true
}
```

Table 200. Attributes

Attribute name	Description
Id	ID of the account.
UserTypeId	ID of the type of user.
DirectoryServiceId	ID of the directory service.
Description	Description of the user.
Name	Name of the user. This value is the same as user name.
Password	Password for the user. This value is not displayed when retrieving the details.

Table 200. Attributes (continued)

Attribute name	Description
UserName	User name of the account.
RoleId	Role for the account.
Locked	Indicates whether the account is locked.
IsBuiltin	Indicates whether the account is an integrated account.
Enabled	Indicates whether the account is enabled.

/redfish/v1/AccountService/Accounts/Members(Id)

This URI represents a specific account within the collection.

GET method for Members(Id)

This method returns the details of a specific account.

Description	Returns the details of a specific account.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#ManagerAccount.v1_0_2.ManagerAccount/$entity",
  "@odata.id": "/redfish/v1/AccountService/Accounts/Members('1814')",
  "Oem": {
    "Dell": {
      "UserTypeId": 1,
      "DirectoryServiceId": 0,
      "IsBuiltin": true
    }
  },
  "Id": "1814",
  "Description": "root",
  "Name": "root",
  "Password": null,
  "UserName": "root",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true,
  "Links": null
}
```

Table 201. Attributes

Attribute name	Description
Id	ID of the account.
UserTypeId	ID of the type of user.
DirectoryServiceId	ID of the directory service.
Description	Description of the user.
Name	Name of the user. This value is the same as user name.
Password	Password for the user. This value is not displayed when retrieving the details.
UserName	User name of the account.
RoleId	Role for the account.

Table 201. Attributes (continued)

Attribute name	Description
Locked	Indicates whether the account is locked.
IsBuiltin	Indicates whether the account is an integrated account.
Enabled	Indicates whether the account is enabled.

PUT method for Members(Id)

This method changes the settings of an account.

Description Modifies an account.

Privilege SECURITY_SETUP

HTTP response codes 200

Example request body

```
{
  "Id": "3064",
  "UserTypeId": 1,
  "DirectoryServiceId": 0,
  "Name": "user2",
  "Password": "Dell123$",
  "UserName": "user2",
  "Description": "user2 description",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}
```

Example response body

```
{
  "Id": "3064",
  "UserTypeId": 1,
  "DirectoryServiceId": 0,
  "Name": "user2",
  "Password": null,
  "UserName": "user2",
  "Description": "user2 description",
  "Oem": null,
  "RoleId": "10",
  "Locked": false,
  "IsBuiltin": false,
  "Enabled": true
}
```

Table 202. Attributes

Attribute name	Description
Id	ID of the account.
UserTypeId	ID of the type of user.
DirectoryServiceId	ID of the directory service.
Description	Description of the user.
Name	Name of the user. This value is the same as user name.
Password	Password for the user. This value is not displayed when retrieving the details.
UserName	User name of the account.
RoleId	Role for the account.

Table 202. Attributes (continued)

Attribute name	Description
Locked	Indicates whether the account is locked.
IsBuiltin	Indicates whether the account is an integrated account.
Enabled	Indicates whether the account is enabled.

DELETE method for Members(Id)

This method deletes an account.

Description	Deletes an account.
Privilege	SECURITY_SETUP
HTTP response codes	204

Example	`Input:`
	
	`Output:`

Table 203. Attributes

Attribute name	Description
Id	ID of the account to be deleted.

redfish/v1/AccountService/Roles/Members

This API gets a list of all roles of members.

GET method for Roles

This method returns the role details of members.

Description	Returns role details of the members.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
"@odata.context": "/redfish/v1/$metadata#Collection(Role.v1_2_2.Role)",
"@odata.count": 5,
"value":[
{
"@odata.type": "#Role.v1_2_2.Role",
"@odata.id": "/redfish/v1/AccountService/Roles/Members('10')",
"Id": "10",
"Description": "Privileges to do all operations",
"Name": "CHASSIS_ADMINISTRATOR",
"IsPredefined": true
},
{
"@odata.type": "#Role.v1_2_2.Role",
"@odata.id": "/redfish/v1/AccountService/Roles/Members('11')",
"Id": "11",
"Description": "Allowed to deploy services from a template and perform
operations on service. Limited to compute sleds only",
"Name": "COMPUTE_MANAGER",
"IsPredefined": true
},
{"@odata.type": "#Role.v1_2_2.Role", "@odata.id": "/redfish/v1/
```

```
AccountService/Roles/Members('12')",…},
{"@odata.type": "#Role.v1_2_2.Role", "@odata.id": "/redfish/v1/
AccountService/Roles/Members('15')",…},
{
"@odata.type": "#Role.v1_2_2.Role",
"@odata.id": "/redfish/v1/AccountService/Roles/Members('16')",
"Id": "16",
"Description": "Read-only privileges across the system",
"Name": "VIEWER",
"IsPredefined": true
}
]
}
```

/redfish/v1/AccountService/Roles/Members(Id)

This URI represents the role details of a specific account.

GET method for Members(Id)

This method returns the details of the role for a specific account.

Description	Returns the details of a role.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
  "@odata.context": "$metadata#Role.Role/$entity",
  "@odata.id": "/redfish/v1/AccountService/Roles/Members('10')",
  "Oem": null,
  "Id": "10",
  "Description": "Privileges to do all operations",
  "Name": "CHASSIS_ADMINISTRATOR"
}
```

Table 204. Attributes

Attribute name	Description
Id	Record ID of the role.
Description	Description of the role.
Name	Name of the role.

Redfish—Message Registry

This resource enables you to access the message services. Using this resource, you can access the messages services, base messages, and Event And Error Messages for error handling and audits.

Use the URIs in this resource to access the message registry and the list of event and error messages.

/redfish/v1/Registries

This URI represents a collection of the message services.

GET method for Registries

This method returns a collection of message services.

Description	Returns a collection of message services.

Privilege	VIEW
HTTP response codes	200

Example response body

```
{
    "@odata.context": "/redfish/
v1/$metadata#MessageRegistryFileCollection.MessageRegistryFileCollection",
    "@odata.type":
"#MessageRegistryFileCollection.MessageRegistryFileCollection",
    "@odata.id": "/redfish/v1/Registries",
    "Name": "Message Registry File Collection",
    "Members@odata.count": 1,
    "Members": [
        {
            "@odata.id": "/redfish/v1/Registries/Members('Messages')"
        }
    ]
}
```

GET method for Registry instance

This API represents the registry information of members.

GET method for registry instance

This method returns the registry information of members, by ID.

Description	Returns the registry information of members, by ID.
Privilege	VIEW
HTTP response code	200

Example response body

```
{
"@odata.context": "/redfish/
v1/$metadata#MessageRegistryFile.v1_0_0.MessageRegistryFile",
"@odata.type": "#MessageRegistryFile.v1_0_0.MessageRegistryFile",
"@odata.id": "/redfish/v1/Registries/Members('Messages')",
"Id": "Messages",
"Description": "OME-Modular Message Registry File locations",
"Name": "OME-Modular Message Registry File",
"Languages":[
"en",
"fr",
"zh",
"ja",
"es",
"de",
"ko"
],
"Registry": "OME-Modular 1.0",
"Location":[
{
"Language": "en",
"Uri": "/redfish/v1/MessageRegistryCollection/
Members('EEMIRegistry.v1_0_0_en')"
},
{
"Language": "fr",
"Uri": "/redfish/v1/MessageRegistryCollection/
Members('EEMIRegistry.v1_0_0_fr')"
},
{
"Language": "zh",
"Uri": "/redfish/v1/MessageRegistryCollection/
Members('EEMIRegistry.v1_0_0_zh')"
```

```
},
{
"Language": "ja",
"Uri": "/redfish/v1/MessageRegistryCollection/
Members('EEMIRegistry.v1_0_0_ja')"
},
{
"Language": "es",
"Uri": "/redfish/v1/MessageRegistryCollection/
Members('EEMIRegistry.v1_0_0_es')"
},
{
"Language": "de",
"Uri": "/redfish/v1/MessageRegistryCollection/
Members('EEMIRegistry.v1_0_0_de')"
},
{
"Language": "ko",
"Uri": "/redfish/v1/MessageRegistryCollection/
Members('EEMIRegistry.v1_0_0_ko')"
}
]
}
```


redfish/v1/MessageRegistryCollection/Members(<InstanceId>)

This API represents message listings for a location.

GET method for messages of location

This method returns a list of messages for a specific location.

Description	Returns a list of messages for a location.
Privilege	VIEW
HTTP response code	200
Example response body	


```
{
"@odata.context": "/redfish/
v1/$metadata#MessageRegistry.v1_0_0.MessageRegistry/$entity",
"@odata.type": "#MessageRegistry.v1_0_0.MessageRegistry",
"@odata.id": "/redfish/v1/MessageRegistryCollection/Members('Messages')",
"Oem": null,
"Id": "Messages",
"Description": "This registry defines the MSM messages for Redfish",
"Name": "OME-Modular EEMI Registry",
"Language": "Messages",
"RegistryPrefix": "OME-Modular",
"RegistryVersion": "1.0.0",
"OwningEntity": "DELL",
"Messages":{
}
}
```


Redfish—Chassis

This resource enables you to access the chassis details. Using this resource, you can retrieve details such as chassis health, chassis rollup health, and so on.

Use the URIs in this resource to access the chassis details.

/redfish/v1/Chassis

This URI represents the chassis information.

GET method for Chassis

This method returns the chassis instances.

Description	Returns the details of the chassis.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
    "@odata.context": "/redfish/
v1/$metadata#ChassisCollection.ChassisCollection",
    "@odata.type": "#ChassisCollection.ChassisCollection",
    "@odata.id": "/redfish/v1/Chassis",
    "Name": "Chassis Collection",
    "Members@odata.count": 6,
    "Members": [
        {
            "@odata.id": "/redfish/v1/Chassis/Members('10057')"
        },
        {
            "@odata.id": "/redfish/v1/Chassis/Members('10056')"
        },
        {
            "@odata.id": "/redfish/v1/Chassis/Members('10055')"
        },
        {
            "@odata.id": "/redfish/v1/Chassis/Members('10059')"
        },
        {
            "@odata.id": "/redfish/v1/Chassis/Members('10054')"
        },
        {
            "@odata.id": "/redfish/v1/Chassis/Members('10294')"
        }
    ]
}
```

redfish/v1/Chassis/Members(id)

This method represents chassis instance information, by IDs.

GET method for chassis members

This method returns details about the chassis member.

Description	Returns details about chassis members.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
"@odata.context": "/redfish/v1/$metadata#Chassis.v1_6_0.Chassis",
"@odata.type": "#Chassis.v1_6_0.Chassis",
"@odata.id": "/redfish/v1/Chassis/Members('10057')",
"Oem":{
"Dell":{
}
},
"Id": "10057",
```

```
"Name": "IOM-B2",
"ChassisType": "Component",
"Manufacturer": "Dell EMC",
"Model": "MX9116n Fabric Engine",
"SKU": "8ZD60T2",
"SerialNumber": "CNDND008890100",
"PartNumber": "0RFX85A02null",
"AssetTag": "CH1-SLOT-A1",
"IndicatorLED": "Unknown",
"Links":{
"ManagedBy":[
{
"@odata.id": "/redfish/v1/Managers/Members('ChassisManager')"
}
],
"ManagedBy@odata.count": 1,
"Drives":[
]
},
"Actions":{
"Oem":{
"#DellChassis.VirtualReseat":{
"target": "/redfish/v1/Chassis/Members('10057')/Actions/Oem/
DellChassis.VirtualReseat"
}
},
"#Chassis.Reset":{
"ResetType@Redfish.AllowableValues":["On", "ForceOff", "GracefulShutdown",
"PowerCycle"],
"target": "/redfish/v1/Chassis/Members('10057')/Actions/Chassis.Reset"
}
},
"PowerState": "On",
"Thermal":{
"@odata.id": "/redfish/v1/Chassis/Members('10057')/Thermal"
},
"Power":{
"@odata.id": "/redfish/v1/Chassis/Members('10057')/Power"
}
}
```


redfish/v1/Chassis/Members(id)/Power

This API returns the chassis power information.

GET method for chassis power information

This method returns the chassis power information.

Description	Returns the health status of a specific device.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/v1/$metadata#Chassis.v1_6_0.Chassis",
"@odata.type": "#Chassis.v1_6_0.Chassis",
"@odata.id": "/redfish/v1/Chassis/Members('10057')",
"Oem":{
"Dell":{
}
},
"Id": "10057",
"Name": "IOM-B2",
"ChassisType": "Component",
"Manufacturer": "Dell EMC",
"Model": "MX9116n Fabric Engine",
"SKU": "8ZD60T2",
```

```
"SerialNumber": "CNDND008890100",
"PartNumber": "0RFX85A02null",
"AssetTag": "CH1-SLOT-A1",
"IndicatorLED": "Unknown",
"Links":{
"ManagedBy":[
{
"@odata.id": "/redfish/v1/Managers/Members('ChassisManager')"
}
],
"ManagedBy@odata.count": 1,
"Drives":[
]
},
"Actions":{
"Oem":{
"#DellChassis.VirtualReseat":{
"target": "/redfish/v1/Chassis/Members('10057')/Actions/Oem/
DellChassis.VirtualReseat"
}
},
"#Chassis.Reset":{
"ResetType@Redfish.AllowableValues":["On", "ForceOff", "GracefulShutdown",
"PowerCycle"],
"target": "/redfish/v1/Chassis/Members('10057')/Actions/Chassis.Reset"
}
},
"PowerState": "On",
"Thermal":{
"@odata.id": "/redfish/v1/Chassis/Members('10057')/Thermal"
},
"Power":{
"@odata.id": "/redfish/v1/Chassis/Members('10057')/Power"
}
}
```


redfish/v1/Chassis/Members(id)/Power/PowerControl(<InstanceId>)

This API represents the power control information of the member chassis.

Get method for power control information

This method returns the power control information of the member chassis.

Description	Returns the power control information of the member chassis.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/v1/$metadata#Power.v1_0_0.PowerControl",
"@odata.type": "#Power.v1_0_0.PowerControl",
"@odata.id": "/redfish/v1/Chassis/Members('10053')/Power/
PowerControl('PowerControl')",
"MemberId": "PowerControl",
"Name": "System Power Control",
"PowerConsumedWatts": 301,
"PowerRequestedWatts": 0,
"PowerAvailableWatts": 0,
"PowerCapacityWatts": 4114,
"PowerAllocatedWatts": 0,
"PowerMetrics":{
"IntervalInMin": 0,
"MinConsumedWatts": 0,
"MaxConsumedWatts": 0,
"AverageConsumedWatts": 0
```

```
},
"PowerLimit":{
"LimitInWatts": 0,
"CorrectionInMs": 0
},
"Status":{
},
"RelatedItem":[
]
}
```

redfish/v1/Chassis/Members(id)/Power/PowerSupplies(<InstanceId>)

This API represents chassis power supply information.

GET method for power supply information

This method returns chassis power supply information.

Description	Returns chassis power supply information.
Privilege	VIEW
HTTP response code	200

Example response body

```
{
"@odata.context": "/redfish/v1/$metadata#Power.v1_0_0.PowerSupply",
"@odata.type": "#Power.v1_0_0.PowerSupply",
"@odata.id": "/redfish/v1/Chassis/Members('10054')/Power/
PowerSupplies('PSU.Slot.2')",
"MemberId": "PSU.Slot.2",
"Name": "PSU.Slot.2",
"PowerSupplyType": "AC",
"LineInputVoltage": 0,
"PowerCapacityWatts": 0,
"LastPowerOutputWatts": 0,
"PartNumber": "",
"Status":{
"HealthRollup": "OK",
"Health": "OK"
},
"RelatedItem":[
],
"Redundancy":[
]
}
```

redfish/v1/Chassis/Members(id)/Thermal

This API represents the chassis thermal information.

GET method for thermal information

This method returns the chassis thermal information.

Description	Returns the chassis thermal information.
Privilege	VIEW
HTTP response code	200

Example response body

```
{
"@odata.context": "/redfish/v1/$metadata#Thermal.v1_0_0.Thermal",
"@odata.type": "#Thermal.v1_0_0.Thermal",
```

```
"@odata.id": "/redfish/v1/Chassis/Members('10057')/Thermal",
"Id": "Thermal",
"Description": "Chassis Thermal Information",
"Name": "Thermal",
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
},
"Temperatures@odata.count": 0,
"Temperatures":[
],
"Fans@odata.count": 0,
"Fans":[
],
"Redundancy":[
]
}
```

redfish/v1/Chassis/Members(id)/Thermal/Temperatures(<InstanceId>)

This API represents chassis temperature information.

GET method for temperature information

This method returns chassis temperature information.

Description	Returns chassis temperature information.
Privilege	VIEW
HTTP response code	200

Example response body

```
{
"@odata.context": "/redfish/v1/$metadata#Thermal.v1_0_0.Temperature",
"@odata.type": "#Thermal.v1_0_0.Temperature",
"@odata.id": "/redfish/v1/Chassis/Members('10054')/Thermal/
Temperatures('System.Modular.5')",
"MemberId": "System.Modular.5",
"Name": "Sled 5 Inlet Temperature",
"Status":{
"Health": "Warning"
},
"ReadingCelsius": 23,
"UpperThresholdNonCritical": 43,
"UpperThresholdCritical": 47,
"LowerThresholdNonCritical": 25,
"LowerThresholdCritical": -7,
"PhysicalContext": "Chassis"
}
```

redfish/v1/Chassis/Members(id)/Thermal/Fans(<InstanceId>)

This API represents chassis thermal fan information.

GET method for fans

This method returns chassis thermal fan information.

Description	Returns chassis thermal fan information.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/v1/$metadata#Thermal.v1_0_0.Fan",
"@odata.type": "#Thermal.v1_0_0.Fan",
"@odata.id": "/redfish/v1/Chassis/Members('10054')/Thermal/
Fans('Fan.Slot.8')",
"MemberId": "Fan.Slot.8",
"FanName": "Rear Fan 4",
"PhysicalContext": "Fan",
"Status":{
"Health": "OK"
},
"Reading": 8731
}
```


redfish/v1/Managers/Members(<InstanceId>)

This API represents the chassis manager information.

GET method for chassis manager information

This API returns the chassis manager information.

Description	Returns the chassis manager information.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/v1/$metadata#Manager.v1_0_0.Manager",
"@odata.type": "#Manager.v1_0_0.Manager",
"@odata.id": "/redfish/v1/Managers/Members('25250')",
"Id": "ChassisManager",
"Description": "Chassis Manager",
"Name": "Chassis Manager",
"Actions":{
"#Manager.ForceFailover":{
"target": "/redfish/v1/Managers('ChassisManager')/Actions/
Manager.ForceFailover"
},
"#Manager.Reset":{
"ResetType@Redfish.AllowableValues":[
"GracefulRestart"
],
"target": "/redfish/v1/Managers('ChassisManager')/Actions/Manager.Reset"
}
},
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
}
}
```


redfish/v1/Chassis/Members(id)/Actions/Oem/DellChassis.VirtualReseat

This API represents virtual reseat information of the chassis.

POST method for virtual reseat

This method performs virtual reseat of the chassis.

Description	Performs virtual reseat of the chassis.
Privilege	DEVICE_CONFIGURATION

HTTP response code	202

redfish/v1/Chassis/Members(id)/Actions/Chassis.Reset

This API represents chassis reset information.

POST method for chassis reset

This method resets the chassis.

Description	Resets the chassis.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	202
Example request body	`{ "ResetType": "<value>" }`

Table 205. Attributes

Attribute name	Description
ResetType	The allowed values are: • On • ForceOff • Graceful Shutdown • PowerCycle Some of the options work based on the type of the device.

redfish/v1/Managers(<InstanceId>)/Actions/Manager.Reset

This API represents chassis management.

POST method to restart chassis

This method restarts the chassis.

Description	Restarts the chassis.
Privilege	DEVICE_CONFIGURATION
HTTP response code	202
Example request body	`{ "ResetType": "<value>" }`

Table 206. Attributes

Attribute name	Description
ResetType	The allowed value is—GracefulRestart

Redfish—Systems

This API represents server information.

/redfish/v1/Systems

This URI represents the systems.

GET method for Systems

This method returns the collection of the systems.

Description	Returns the collection of systems.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
    "@odata.context": "/redfish/
v1/$metadata#ComputerSystemCollection.ComputerSystemCollection",
    "@odata.type": "#ComputerSystemCollection.ComputerSystemCollection",
    "@odata.id": "/redfish/v1/Systems",
    "Name": "Computer System Collection",
    "Members@odata.count": 2,
    "Members": [
        {
            "@odata.id": "/redfish/v1/Systems/Members('10056')"
        },
        {
            "@odata.id": "/redfish/v1/Systems/Members('10055')"
        }
    ]
}
```

redfish/v1/Systems/Members(id)

This API represents server information, by device IDs.

GET method for systems

This method returns server information, by device ID.

Description	Returns server information by device ID.
Privilege	VIEW
HTTP response codes	200
Example response body	

```
{
"@odata.context": "/redfish/
v1/$metadata#ComputerSystem.v1_6_0.ComputerSystem",
"@odata.type": "#ComputerSystem.v1_6_0.ComputerSystem",
"@odata.id": "/redfish/v1/Systems/Members('10055')",
"Id": "10055",
"Description": "Server Device",
"Name": "idrac-7C1000D",
"SystemType": "Physical",
"Links":{
"ResourceBlocks":[
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('19')"
},
```

```
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('2')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('3')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('4')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('5')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('6')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('7')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('8')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('9')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('10')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('11')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('13')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('14')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('15')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('16')"},
{"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('17')"}
]
},
"AssetTag": "",
"Manufacturer": "Dell Inc.",
"Model": "PowerEdge MX840c",
"SKU": "7C1000D",
"SerialNumber": "CNFCP007BE0030",
"PartNumber": "0740HW",
"UUID": "4430304f-c0b7-3080-3110-00434c4c4544",
"IndicatorLED": "Unknown",
"PowerState": "On",
"Boot":{
},
"BiosVersion": "2.3.10",
"ProcessorSummary":{
"Count": 2,
"Model": "Intel(R) Xeon(R) Platinum 8153 CPU @ 2.00GHz",
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
}
},
"MemorySummary":{
"TotalSystemMemoryGiB": 16,
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
}
},
"Actions":{
"Oem":{
},
"#ComputerSystem.Reset":{
"ResetType@Redfish.AllowableValues":["On", "ForceOff", "GracefulShutdown",
"PowerCycle"],
"target": "/redfish/v1/Systems/Members('10055')/Actions/ComputerSystem.Reset"
},
"#ComputerSystem.AddResourceBlock":{
"target": "/redfish/v1/Systems/Members('10055')/Actions/
ComputerSystem.AddResourceBlock"
},
"#ComputerSystem.RemoveResourceBlock":{
"target": "/redfish/v1/Systems/Members('10055')/Actions/
ComputerSystem.RemoveResourceBlock"
}
},
"Status":{
"State": "Enabled",
"HealthRollup": "Warning",
"Health": "Warning"
},
"HostingRoles":[
"StorageServer",
"ApplicationServer"
],
```

```
"HostedServices":{
"Oem":{
}
},
"Processors":{
"@odata.id": "/redfish/v1/Systems/Members('10055')/Processors"
},
"EthernetInterfaces":{
"@odata.id": "/redfish/v1/Systems/Members('10055')/EthernetInterfaces"
},
"SimpleStorage":{
"@odata.id": "/redfish/v1/Systems/Members('10055')/SimpleStorage"
},
"Storage":{
"@odata.id": "/redfish/v1/Systems/Members('10055')/Storage"
}
}
```


redfish/v1/Systems/Members(id)/Processors

This API represents server processor information.

GET method for processors

This method returns server processor information.

Description	Returns server processor information.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/
v1/$metadata#ProcessorCollection.ProcessorCollection",
"@odata.type": "#ProcessorCollection.ProcessorCollection",
"@odata.id": "/redfish/v1/Systems/Members('10055')/Processors",
"Name": "Processor Collection",
"Members@odata.count": 2,
"Members":[
{
"@odata.id": "/redfish/v1/Systems/Members('10055')/Processors/
Members('9776')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10055')/Processors/
Members('9777')"
}
]
}
```


redfish/v1/Systems/Members(id)/Processors/Members(id)

This API represents server processor information of specific systems.

GET method for processors by IDs

This method returns server processor information, by device ID.

Description	Returns server processor information.
Privilege	VIEW

HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/v1/$metadata#Processor.v1_0_0.Processor",
"@odata.type": "#Processor.v1_0_0.Processor",
"@odata.id": "/redfish/v1/Systems/Members('10055')/Processors/
Members('9787')",
"Id": "9787",
"Name": "CPU.Socket.2",
"Socket": "CPU.Socket.2",
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
},
"Manufacturer": "Intel",
"Model": "Intel(R) Xeon(TM)",
"MaxSpeedMHz": 4000,
"TotalCores": 16,
"TotalThreads": 0
}
```


redfish/v1/Systems/Members(id)/EthernetInterfaces

This API represents Ethernet interface.

GET method for EthernetInterfaces

This method returns Ethernet interface information, by device ID.

Description	Returns Ethernet interface information.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/
v1/$metadata#EthernetInterfaceCollection.EthernetInterfaceCollection",
"@odata.type": "#EthernetInterfaceCollection.EthernetInterfaceCollection",
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces",
"Name": "Ethernet Interface Collection",
"Members@odata.count": 8,
"Members":[
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
Members('15674')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
Members('15675')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
Members('15676')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
Members('15677')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
Members('15678')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
```

```
Members('15679')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
Members('15680')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
Members('15681')"
}
]
}
```

redfish/v1/Systems/Members(id)/EthernetInterfaces/Members(id)

This API represents server Ethernet interface information, by IDs.

GET method for Ethernet Interfaces by ID

This method returns the server Ethernet Interface information, by Ethernet interface ID.

Description	Returns the server Ethernet Interface information, by Ethernet interface ID.
Privilege	VIEW
HTTP response code	200

Example response body

```
{
"@odata.context": "/redfish/
v1/$metadata#EthernetInterface.v1_0_0.EthernetInterface",
"@odata.type": "#EthernetInterface.v1_0_0.EthernetInterface",
"@odata.id": "/redfish/v1/Systems/Members('10189')/EthernetInterfaces/
Members('15676')",
"Id": "15676",
"Name": "NIC.Mezzanine.2B-1-1",
"InterfaceEnabled": false,
"PermanentMACAddress": "24:6E:96:9C:E8:5C",
"MACAddress": "24:6E:96:9C:E8:5C",
"SpeedMbps": 0,
"AutoNeg": false,
"FullDuplex": false,
"MTUSize": 0,
"MaxIPv6StaticAddresses": 0,
"IPv4Addresses":[],
"IPv6AddressPolicyTable":[],
"IPv6Addresses":[],
"IPv6StaticAddresses":[],
"NameServers":[]
}
```

redfish/v1/Systems/Members(id)/SimpleStorage

This API represents simple server storage information.

GET method for storage device

This method returns simple server storage information.

Description	Returns simple server storage information.
Privilege	VIEW

HTTP response code	200
Example response body	

```
{
"@odata.context": "/redfish/
v1/$metadata#SimpleStorageCollection.SimpleStorageCollection",
"@odata.type": "#SimpleStorageCollection.SimpleStorageCollection",
"@odata.id": "/redfish/v1/Systems/Members('10189')/SimpleStorage",
"Name": "Simple Storage Collection",
"Members@odata.count": 3,
"Members":[
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/SimpleStorage/
Members('9807')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/SimpleStorage/
Members('9808')"
},
{
"@odata.id": "/redfish/v1/Systems/Members('10189')/SimpleStorage/
Members('9809')"
}
]
}
```

redfish/v1/Systems/Members(id)/SimpleStorage/Members

This API represents the simple server storage.

Get method for storage devices

This method returns the simple server storage details.

Description	Returns the simple server storage details.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
"@odata.context": "/redfish/
v1/$metadata#Collection(SimpleStorage.SimpleStorage)",
"@odata.count": 4,
"value":[
{
"@odata.type": "#SimpleStorage.v1_0_0.SimpleStorage",
"@odata.id": "/redfish/v1/Systems/Members('10055')/SimpleStorage/
Members('10053')",
"Id": "10053",
"Description": "",
"Name": "PERC H730P MX",
"UefiDevicePath": "",
"Devices":[],
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
}
},
{"@odata.type": "#SimpleStorage.v1_0_0.SimpleStorage", "@odata.id": "/
redfish/v1/Systems/Members('10055')/SimpleStorage/Members('10054')",…},
{"@odata.type": "#SimpleStorage.v1_0_0.SimpleStorage", "@odata.id": "/
redfish/v1/Systems/Members('10055')/SimpleStorage/Members('10055')",…},
```

```
{"@odata.type": "#SimpleStorage.v1_0_0.SimpleStorage", "@odata.id": "/
redfish/v1/Systems/Members('10055')/SimpleStorage/Members('10056')",…}
]
}
```

redfish/v1/Systems/Members(id)/SimpleStorage/Members(id)

This API represents the simple server storage details, by storage device ID.

GET method for storage devices by ID

This method returns the simple server storage details, by storage device ID.

Description	Returns the simple server storage details, by storage device ID.
Privilege	VIEW
HTTP response code	200

Example response body

```
{
"@odata.context": "/redfish/v1/$metadata#SimpleStorage.SimpleStorage",
"@odata.type": "#SimpleStorage.v1_0_0.SimpleStorage",
"@odata.id": "/redfish/v1/Systems/Members('10055')/SimpleStorage/
Members('10053')",
"Id": "10053",
"Description": "",
"Name": "PERC H730P MX",
"UefiDevicePath": "",
"Devices":[],
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
}
}
```

redfish/v1/Systems/Members(id)/Actions/ComputerSystem.Reset

This API resets the state of the server.

POST method to reset server state

This method resets the state of the server.

Description	Resets the server state.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	202

Example request body

```
{
"ResetType": "<value>"
}
```

Table 207. Attributes

Attribute name	Description
ResetType	The allowed values are: • PowerOn • PowerOffNonGraceful • PowerOffGraceful • PowerCycle

Redfish—CompositionService

redfish/v1/CompositionService

This API represents the composition service information.

GET method for CompositionService

This method returns the composition service information.

Description	Returns the composition service information.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
"@odata.context": "/redfish/
v1/$metadata#CompositionService.v1_0_0.CompositionService",
"@odata.type": "#CompositionService.v1_0_0.CompositionService",
"@odata.id": "/redfish/v1/CompositionService",
"Id": "CompositionService",
"Description": "Composition Service",
"Name": "Composition Service",
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
},
"ServiceEnabled": true,
"ResourceBlocks":{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks"
},
"ResourceZones":{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones"
}
}
```

redfish/v1/CompositionService/ResourceBlocks

This API represents the chassis information by devices IDs.

GET method for ResourceBlocks

This method returns the chassis information.

Description	Returns the chassis information.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/
v1/$metadata#ResourceBlockCollection.ResourceBlockCollection",
"@odata.type": "#ResourceBlockCollection.ResourceBlockCollection",
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks",
"Description": "Resource Blocks in MX Chassis",
"Name": "Resource Block Collection",
"Members@odata.count": 24,
"Members":[
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('1')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('51')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('52')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('53')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('54')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('55')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('57')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('60')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('35')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('36')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('37')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('38')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('39')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('40')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('41')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('42')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('43')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('44')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('45')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('46')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('47')"
```

```
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('48')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('49')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('50')"
}
]
}
```


redfish/v1/CompositionService/ResourceBlocks/Members(<InstanceId>)

This API represents the power information of a device, by the device ID.

GET method for ResourceBlocks by ID

This API returns the power information of a device, by device ID.

Description	Returns the power information of a device, by device ID.
Privilege	VIEW
HTTP response code	200

Example response body


```
{
"@odata.context": "/redfish/v1/$metadata#ResourceBlock.v1_3_0.ResourceBlock",
"@odata.type": "#ResourceBlock.v1_3_0.ResourceBlock",
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('20')",
"Id": "20",
"Description": "Resource Block",
"Name": "Resource Block 20",
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
},
"CompositionStatus":{
"CompositionState": "Composed",
"SharingCapable": false
},
"ResourceBlockType":[
"ComputerSystem"
],
"Links":{
"ComputerSystems":[
{
"@odata.id": "/redfish/v1/Systems/Members('10189')"
}
],
"Chassis":[
{
"@odata.id": "/redfish/v1/Chassis/Members('10189')"
}
],
"Zones":[
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('3')"
}
]
},
"ComputerSystems@odata.count": 1,
"ComputerSystems":[
```

```
{
"@odata.id": "/redfish/v1/Systems/Members('10189')"
}
],
"Drives@odata.count": 0,
"Drives":[]
}
```


redfish/v1/CompositionService/ResourceZones

This API represents power control information.

GET method for ResourceZones

This method returns the power control information.

Description	Returns the power control information.
Privilege	VIEW
HTTP response code	200
Example response body	


```
{
"@odata.context": "/redfish/v1/$metadata#ZoneCollection.ZoneCollection",
"@odata.type": "#ZoneCollection.ZoneCollection",
"@odata.id": "/redfish/v1/CompositionService/ResourceZones",
"Description": "Resource Zones in MX Chassis",
"Name": "Resource Zone Collection",
"Members@odata.count": 8,
"Members":[
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('37')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('1')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('35')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('34')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('43')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('40')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('36')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('38')"
}
]
}
```

redfish/v1/CompositionService/ResourceZones/Members(<InstanceId>)

This API represents power supply information, by device ID.

GET method for ResourceZones by ID

This method returns the power supply information, by device ID.

Description	Returns the power supply information, by device ID.
Privilege	VIEW
HTTP response code	200
Example response body	

```
{
"@odata.context": "/redfish/v1/$metadata#Zone.v1_0_0.Zone",
"@odata.type": "#Zone.v1_0_0.Zone",
"@odata.id": "/redfish/v1/CompositionService/ResourceZones/Members('3')",
"Id": "3",
"Description": "Resource Zone",
"Name": "Resource Zone - 7BU000R - 849000C - Slot 3",
"Status":{
"State": "Enabled",
"HealthRollup": "OK",
"Health": "OK"
},
"Links":{
"ResourceBlocks":[
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('20')"
},
{
"@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/Members('12')"
}
]
}
}
```

/redfish/v1/Systems/Members(<SystemId>)/Actions/ComputerSystem.AddResourceBlock

This API represents addition of chassis to a chassis group.

POST method for adding ResourceBlocks

This method adds chassis to a chassis group.

Description	Adds chassis to a chassis group.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	202
Example request body	

```
{
    "ResourceBlock": {
        "@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/
Members(<ResourceBlockId>)"
    }
}
```

/redfish/v1/Systems/Members(<SystemId>)/Actions/ComputerSystem.RemoveResourceBlock

This API represents removing a member chassis from a chassis group.

POST method for removing ResourceBlock

This method removes member chassis from a chassis group.

Description	Removes member chassis from a chassis group.
Privilege	DEVICE_CONFIGURATION
HTTP response code	202
Example request body	

```
{
    "ResourceBlock": {
        "@odata.id": "/redfish/v1/CompositionService/ResourceBlocks/
Members(<ResourceBlockId>)"
    }
}
```