OpenManage Enterprise and OpenManage Enterprise - Modular Edition

RESTful API Guide

DELL EMC

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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1

About this document

This document contains information about the resource models for OpenManage Enterprise (OME) 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 and do not work if used in OME - Modular and the opposite way.

Table 1. Supported REST API versions

Product	Date of release	Whats new
OpenManage Enterprise 3.2	July 2019	• APIs for Plugin manger and power metrics. For more information, see Plugin Manager, and Power Metrics. • APIs to get all the auto deploy targets. For more information, see Auto deploy. • APIs to create, view an IOA template configuration. For more information, see IOA templates. • APIs to acknowledge, unacknowledge alerts. For more information, see Alerts.
OpenManage Enterprise - Modular Edition 1.00.10	February 2019	• APIs to configure VLANs directly to Fabric Manager for a specific server. • APIs to replicate chassis time settings and alert destination configuration and apply on the IOM device.

2

Overview

RESTful API support in OME and OME - Modular

OME - Modular supports RESTful API. Support for APIs has also been improved for OME. 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 OME 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 (OME) 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. OME is designed with a focus on simplicity, automation, and unification of data center management. Some of the key features of OME 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

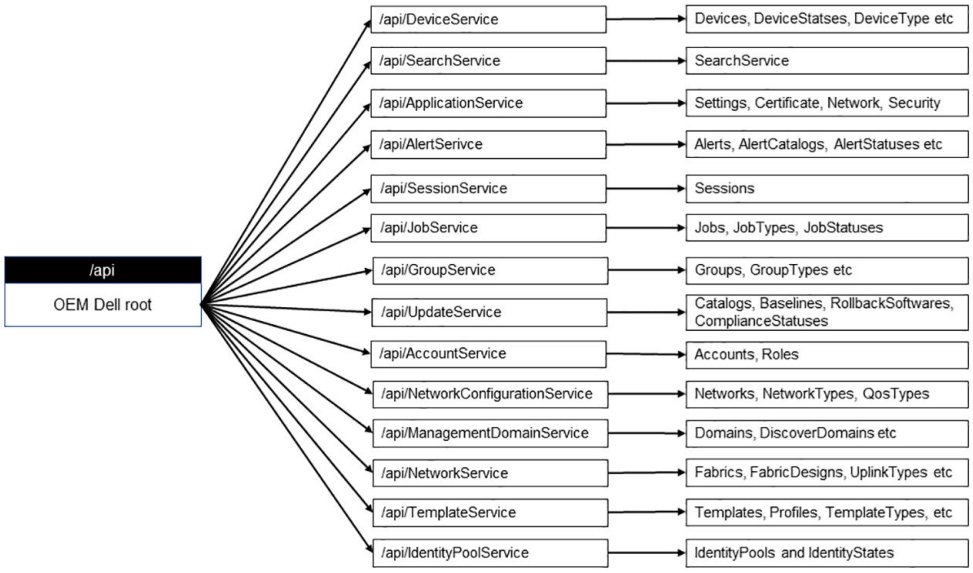

Figure 1. Resource tree for OME - Modular OEM scheme

Resource tree for OME OEM scheme

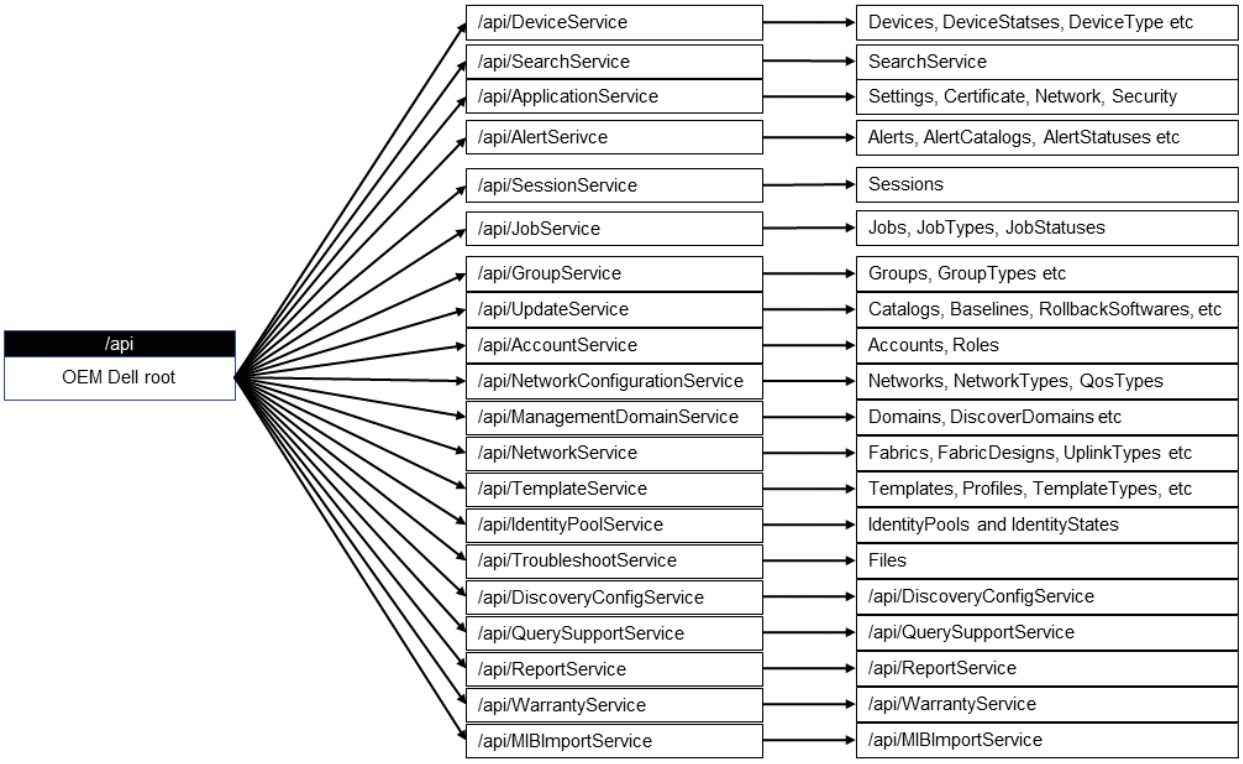

Figure 2. Resource tree for OME OEM scheme

Resource model

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

Redfish scheme

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

Resource tree for Redfish scheme

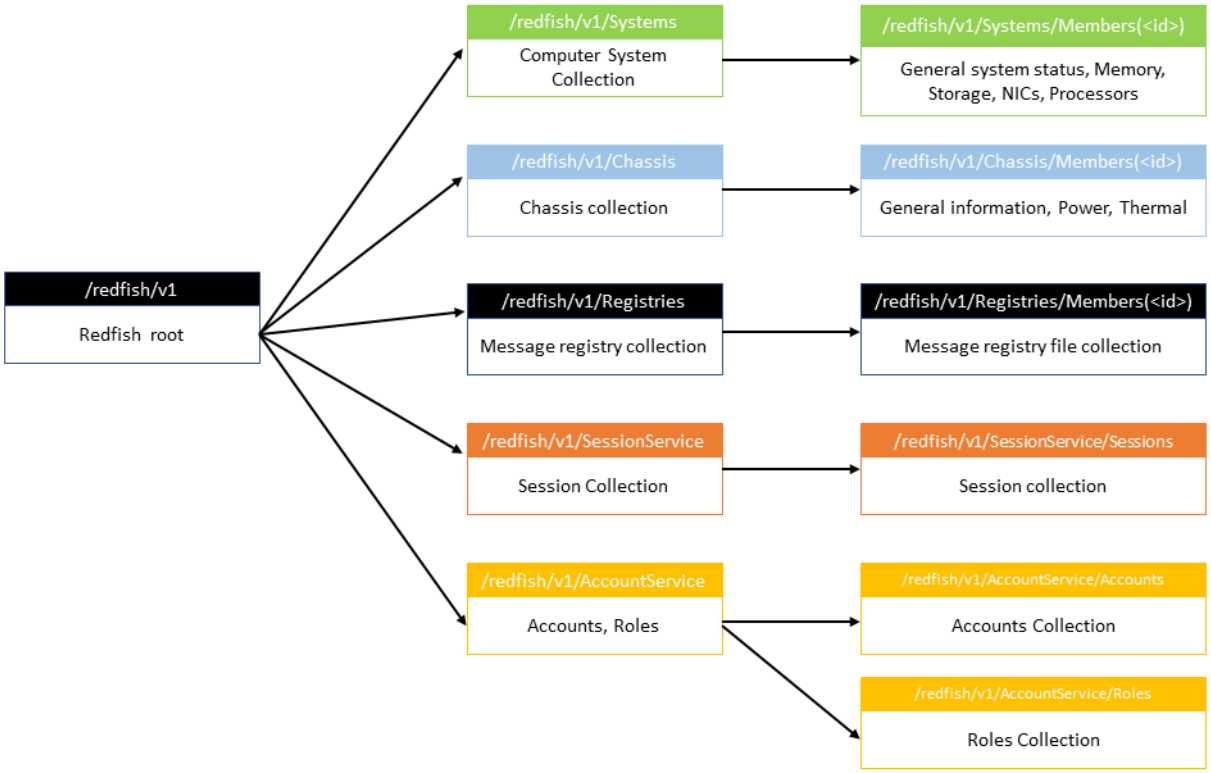

Figure 3. Resource tree for Redfish scheme

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.
MONITORING_SETUP	Alerting policies, forwarding, SupportAssist, and so on.
POWER_CONTROL	Reboot or power-cycle device.

Role	Description
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	
NETWORK_MANAGEMENT	Y	Y		Y	

OME

Table 5. Roles and associated privileges for OME

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

Response Header	Description	Example
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

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

```
Input:

Output:
{
    "@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/CurrentAddressConfiguration

This URI represents the current network IP configuration.

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	

```
Input:

Output:
{
  "@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 10. 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.

Attribute name	Description
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.

GET method for AddressConfiguration

This method returns the network configuration.

Description Returns the current network configuration.

Privilege VIEW

HTTP response codes 200

Example

```
Input:

Output:
{
  "@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

```
Input:
{
  "@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-MSMST01",
    "UseDHCPForDNSDomainName": false,
    "DnsDomainName": ""
  },
  "Delay": 0
}

Output:
{
  "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 11. 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.

Attribute name	Description
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/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

```
Input:

Output:
{
  "@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

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

```
}

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

Table 12. 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

```
Input:

Output:
{
  "@odata.context": "$metadata#Network.TimeConfiguration/$entity",
  "@odata.id": "/api/ApplicationService/Network/TimeConfiguration",
  "TimeZone": "TZ_ID_11",
  "EnableNTP": false,
  "PrimaryNTPAddress": null,
  "SecondaryNTPAddress1": null,
  "SecondaryNTPAddress2": null,
  "SystemTime": "2017-35-23 21:35:18"
  "TimeSource": "Local Clock"
}
```

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

```
Input:
{
    "TimeZone": "TZ_ID_11",
    "EnableNTP": false,
    "PrimaryNTPAddress": null,
```

```
    "SecondaryNTPAddress1": null,
    "SecondaryNTPAddress2": null,
    "SystemTime": "2017-35-23 21:35:18"
}

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

Table 13. 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

```
Input:

Output:
{
    "@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 14. 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

```
Input:

Output:
{
    "@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

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

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

```
  "EnableProxy": false
}
```

Table 15. 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.
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

```
Input:

Output:
{
  "@odata.context": "$metadata#AccountService.AccountService",
  "@odata.id": "/api/AccountService",
  "Id": "10",
  "Description": "MSM 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 16. 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

```
Input:
{
  "Id": "10",
  "Description": "MSM 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
}

Output:
{
  "Id": "10",
  "Description": "MSM 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 17. 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.

Attribute	Description
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.
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

```
Input:

Output:
{
  "@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 18. Attributes

Attribute	Description
Id	Uniquely identifies the resource within the collection.

Attribute	Description
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.
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

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

Output:
{
  "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.

Attribute	Description
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.
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

```
Input:

Output:
{
  "@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 20. Attributes

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

Attribute	Description
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.
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

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

Output:
{
  "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 21. Attributes

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

Attribute	Description
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

Example	`Input:`
	
	`Output:`

Table 22. 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	`Input:`
	
	`Output:`
	`{`
	`  "@odata.context": "$metadata#Collection(AccountService.Permission)",`
	`  "@odata.count": 1,`
	`  "value": [`
	`  {`
	`  "Id": 3214,`
	`  "UserId": 3164,`
	`  "RoleId": 10,`
	`  "Entities": [`
	`  64`
	`  ]`
	`  }`

```
  ]
}
```

Table 23. 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.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	

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

Output:
```

Table 24. 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	

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

Output:
```

Table 25. 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	

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

Output:
```

Table 26. 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	

```
Input:

Output:
{
  "@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 27. 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

```
Input:

Output:
{
  "@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 28. 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

```
Input:

Output:
{
  "@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 29. 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	

```
Input:

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

Table 30. 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, user name, timeouts, and port information.

Description	Returns the collection of Active Directory services.
Privilege	VIEW
HTTP response codes	200
Example	

```
Input:

Output:
{
  "@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"
        }
      ]
    }
  ]
}
```

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	

```
Input:
{
    "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": ""
}

Output:
{
  "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 31. 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

```
Input:

Output:
{
  "@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

```
Input:
{
    "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
}

Output:
{
  "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 32. 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

```
Example for ServerType: MANUAL
Input:
{
    "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": ""
}

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

Output:
{
  "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 33. Attributes

Attribute name	Description
Name	Name of the directory service.
Id	ID of the AD or LDAP server.

Attribute name	Description
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/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

```
Input:

Output:
{
  "@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

```
Input:
{
     "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": ""
}

Output:
{
  "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 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.

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

```
Input:

Output:
{
  "@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

```
Input:
{
    "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": ""
}

Output:
{
  "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 35. 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.

Attribute name	Description
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

```
Example for ServerType: MANUAL
Input:
{
     "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": ""
}

Output:
{
   "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
Input:
{
  "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": ""
}

Output:
{
  "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 36. 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.

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/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

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

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

Table 37. 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	

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

Output:
```

Table 38. 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	

```
Input:
[
  {
    "UserTypeId": 2,
    "DirectortyServiceId": 0,
    "Description": "admin",
    "Name": "MSMMegatronTeam",
    "Password": "",
    "UserName": "MSMMegatronTeam",
    "RoleId": "10",
    "Locked": false,
    "Enabled": true,
    "ObjectGuid": "d22005b6-0ce5-40ed-88d0-7f7759b52f25"
     },
     {
    "UserTypeId": 2,
    "DirectortyServiceId": 0,
```

```
    "Description": "admin",
    "Name": "MSMDevelopmentTeam",
    "Password": "",
    "UserName": "MSMDevelopmentTeam",
    "RoleId": "10",
    "Locked": false,
    "Enabled": true,
    "ObjectGuid": "21dd5985-602f-48a2-bde5-dde50eefb422"
     }
]

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

Table 39. Attributes

Attribute name	Description
Id	Unique identifier of the resource within the collection.
UserTypeId	Type of user.
DirectortyServiceId	ID of the directory service.
Description	Description for this user.
Name	Name of the user. This value is the same as the user name.
Password	Password for the user. When retrieving the details, Password is not displayed.
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	

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
    "@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 40. 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.
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.

Attribute name	Description
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

```
Input:
{
    "DistinguishedName": "[hostname.domain.com]",
    "DepartmentName": "Remote Access Group",
    "BusinessName": "Dell Inc.",
    "Locality": "Round Rock",
    "State": "Texas",
    "Country": "US",
    "Email": "",
}

Output:
-----BEGIN CERTIFICATE REQUEST-----
MIIB/jCCAWcCAQAwgZgxCzAJBgNVBAYTAlVTMQswCQYDVQQIEwJUWDETMBEGA1UE
BxMKUm91bmQgUm9jazENMAsGA1UEChMERGVsbDEWMBQGA1UECxMNUHJvZHVjdCBH
cm91cDEVMBMGA1UEAxMMMTcyLjE3LjEuMjA0MSkwJwYJKoZIhvcNAQkBFhprYXRo
bGVlbl9oYXR0YXdheUBkZWxsLmNvbTCBnzANBgkqhkiG9w0BAQEFAAOBjQAwgYkC
gYEAwTiSPpKcMV+rJM6lHhsAuW6LvQ4MMQmAqPnE75sJn9fV2sXQPpO1TzwlD5hu
DdcCvVeU9nzAZ3oR0Xc2mp28zw/4oBbsje01dLAC0PxDFzQswLFhri9kCHrnGc4Q
ZZjn06u+QFf9RRDyaXkX2bNpeAXGZBpG8KbSrk9chyLAyLMCAwEAAaAlMCMGCSqG
SIb3DQEJBzEWExRBIGNoYWxsZW5nZSBwYXNzd29yZDANBgkqhkiG9w0BAQUFAAOB
gQCxcBNjn5PYe5+NPmD+LjEF+XB34XCZvh4QrCsECyK6B2jRXLP39SxABFlxxd3w
D+tddrxy6/8pDdSLMl8FqcV9HLrgJqFn5ue+pA3BLjtkZaM9cxVWHtFZst64WF4v
hioJNM68xeFObTxWS99lKufKF8dWKkbQessaABq3yQMikw==
-----END CERTIFICATE REQUEST-----
```

Table 41. 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.

Attribute name	Description
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

```
Header:
  Content-Type : application/octet-stream
  Input: Upload Certificate File

Output:
  200 OK
```

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

```
Input:

Output:
{
  "@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 42. 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

```
Input:
[
  {
    "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"
      }
  }
]

Output:
[
  {
    "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 43. 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

```
Input:

Output:
{
  "@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 44. 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

```
Input:
[
  {
    "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
  }
]
```

```
Output:
[
  {
    "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 45. 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

```
Input:

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

```
    }
  ]
}
```

Table 46. 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.

POST method for SMTPConfiguration

This method configures SMTP to send emails.

Description Configures SMTP.

Privilege MONITORING_SETUP

HTTP response codes 200

Example

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

Table 47. 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	

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

Output:
```

Table 48. Attributes

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

5

Alerts

Alert logs

/api/AlertService/Alerts

This URI represents the alerts.

Table 49. 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	

```
Input:

Output:
{
  "@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 50. 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.
StatusType	ID of status type.
StatusName	Name of status type.
TimeStamp	Date and time when the alert was raised.
Message	Message describing the issue.

Attribute name	Description
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 the alerts that are acknowledged by the user administrator.

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

This method returns the alerts that are acknowledged by user administrator.

Description Returns alerts that are acknowledged by user administrator.

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

This URL represents the unacknowledged alerts.

GET method for Alerts?$filter=StatusType eq 2000

Description Returns the unacknowledged alerts.

/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.

/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.

/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

```
Input:

Output:
{
  "@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 51. 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.
StatusType	ID of status type.

Attribute name	Description
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

```
Input:

Output:
{
  "@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 52. 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

```
Input:

Output:
{
  "@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 53. 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

```
Input:

Output:
{
  "@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 54. 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

```
Input:

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

Table 55. 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

```
Input:

Output:
{
  "@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 56. Attributes

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

/api/AlertService/AlertStatus(Id)

This URI represents a specific alert status within the collection.

GET method for AlertStatus(Id)

This method returns the details of a specific alert status.

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

Example

```
Input:

Output:
{
  "@odata.context": "$metadata#AlertService.AlertStatus/$entity",
  "@odata.id": "/api/AlertService/AlertStatuses(1000)",
  "Id": 1000,
  "Name": "Acknowledged",
  "Description": "The event was acknowledged"
}
```

Table 57. Attributes

Attribute name	Description
Id	ID of the alert status.

Attribute name	Description
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 58. 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

```
Input:

Output:
{
  "@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 59. 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	

```
Input:

Output:
{
  "@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 60. 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	

```
Input:
{
  "Context": "MSMSubsc",
  "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"
}

Output:
```

/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	

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

Output:
```

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.

/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

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

Output:
```

Table 62. 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

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

Output:
```

Table 63. 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 64. 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

```
Input:

Output:
{
  "@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 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.

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

```
Input:
{
  "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
}

Output:
{
  "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	

```
Input:

Output:
{
  "@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 66. 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.
Groups	List of groups associated to the policy. This field is checked during policy evaluation.

Attribute name	Description
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

```
Input:
{
    "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
}

Output:
{
  "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 67. 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.
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 68. 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

```
Input:

Output:
{
  "@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 69. 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.

Attribute name	Description
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

```
Input:

Output:
{
  "@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 70. 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 71. Filters

Attribute name	Description
Top	Top records to return. Default value is 100.

Attribute name	Description
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

```
Input:

Output:
{
  "@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 72. 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	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	

```
Input:

Output:
{
  "@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 73. 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

```
Input:

Output:
{
  "@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 74. Attributes

Attribute name	Description
Id	ID of the action template.

Attribute name	Description
Name	Name of the action template.
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	

```
Input:

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

Table 75. 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

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

Or

Input:
{
  "AllPolicies": true
}

Output:
```

/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

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

Or

Input:
{
  "AllPolicies": true
}

Output:
```

/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

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

```
Or

Input:
{
     "AllPolicies": true
}

Output:
```

Alert definitions

/api/AlertService/AlertMessageDefinitions

This URI represents the definitions for the alert messages.

Table 76. 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

```
Input:

Output:
{
  "@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 77. 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

```
Input:

Output:
{
  "@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 78. 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/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

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
    "@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

Firmware

/api/UpdateService/Catalogs

This URI represents the catalogs in the appliance.

GET method for Catalogs

This method returns the catalogs created in the appliance.

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

Example

```
Input:

{
  "@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"
          }
      }
    ]
}
```

POST method for Catalogs

This method creates a catalog.

Description	Creates a catalog.
Privilege	BASELINE_MANAGEMENT
HTTP response codes	201
Example	

```
Input:
{
  "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
    }
}

Output:
```

/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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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"
    }
  ]
}
```


POST method for Baselines

This method creates a baseline.

Description	Creates a baseline.
Privilege	BASELINE_MANAGEMENT
HTTP response codes	201

Example

```
Input:
{
  "Name": "Testedi",
  "Description": "myname",
  "CatalogId": 23 ,
  "RepositoryId": 13,
  "DowngradeEnabled": true,
  "Is64Bit": false,
  "Targets":
  [
    {
      "Type":
        {
          "Name": "DEVICE"
        }

    }
  ]
}
```

```
Output:
```

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

```
Input:

Output:
{
    "@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"
}
```


/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.
Privilege	VIEW
HTTP response codes	200
Example	


```
Input:

Output:
{
  "@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"
    }
  ]
}
```

/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

```
Input:

Output:
{
  "@odata.context": "/api/$metadata#UpdateService.DeviceComplianceReport/
$entity",
  "@odata.type": "#UpdateService.DeviceComplianceReport",
  "@odata.id": "/api/UpdateService/Baselines(8)/
DeviceComplianceReports(190)",
  "Id": 190,
  "DeviceId": 25031,
  "ServiceTag": "7BU102R",
  "DeviceModel": "PowerEdge MX7000",
  "DeviceTypeName": "CHASSIS",
  "DeviceName": "MX-7BU102RMX-7BU102RMX-7BU102RMX",
  "FirmwareStatus": "Compliant",
  "ComplianceStatus": "OK",
  "DeviceTypeId": 2000,
  "RebootRequired": true,
  "ComponentComplianceReports@odata.navigationLink": "/api/UpdateService/
Baselines(8)/DeviceComplianceReports(190)/ComponentComplianceReports"
}
```

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

This URI represents the compliance reports for specific devices.

GET method for ComponentComplianceReports

This method returns the compliance report for a specific device.

Description	Returns the compliance report for a specific device from a specific baseline.
Privilege	VIEW
HTTP response codes	200
Example	

```
Input:

Output:
{
  "@odata.context": "/api/
$metadata#Collection(UpdateService.ComponentComplianceReport)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.type": "#UpdateService.ComponentComplianceReport",
      "@odata.id": "/api/UpdateService/Baselines(6)/
DeviceComplianceReports(9524)/ComponentComplianceReports(94454)",
      "Id": 94454,
      "Version": "2.7.0",
      "CurrentVersion": "2.6.1",
      "Path": "FOLDER05014642M/1/BIOS_9DWNX_WN64_2.7.0.EXE",
      "Name": "Server BIOS 11G",
      "Criticality": "Urgent",
      "UniqueIdentifier": "9DWNXLW6433e04961d34a35398ed74bae031d51cc",
      "TargetIdentifier": "159",
      "UpdateAction": "UPGRADE",
      "SourceName": "DCIM:INSTALLED#741__BIOS.Setup.1-1",
      "PrerequisiteInfo": "",
      "ImpactAssessment": "",
      "Uri": "http://www.dell.com/support/home/us/en/19/Drivers/
DriversDetails?driverId=9DWNX",
      "RebootRequired": true,
      "ComplianceStatus": "CRITICAL",
      "ComplianceDependencies": []
    }
  ]
}
```

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

This URI represents the compliance report for a specific component.

GET method for ComponentComplianceReports(Id)

This method returns the compliance report for a specific component.

Description	Returns the compliance report for a specific component.

Privilege	VIEW
HTTP response codes	200

Example

```
Input:

Output:
{
  "@odata.context": "/api/$metadata#UpdateService.ComponentComplianceReport/
$entity",
  "@odata.type": "#UpdateService.ComponentComplianceReport",
  "@odata.id": "/api/UpdateService/Baselines(8)/DeviceComplianceReports(190)/
ComponentComplianceReports(1597)",
  "Id": 1597,
  "Version": "10.4.0E.R3S.285",
  "CurrentVersion": "10.4.0E.R3S.285",
  "Path": "Network_Firmware_27PY3_WN64_10.4.0E.R3S.285_A00.EXE",
  "Name": "MX9116N",
  "Criticality": "Recommended",
  "UniqueIdentifier": "a08abf4e-6af0-494a-aaac-a48a1039f1c7",
  "TargetIdentifier": "106551",
  "UpdateAction": "EQUAL",
  "SourceName": "IOM.Slot.B1",
  "PrerequisiteInfo": "",
  "ImpactAssessment": "",
  "Uri": "http://www.dell.com/support/home/us/en/19/Drivers/DriversDetails?
driverId=a08ab",
  "RebootRequired": true,
  "ComplianceStatus": "OK",
  "ComplianceDependencies":[ ]
}
```

/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

```
Header: Content-Type: application/octet-stream

Input:

Output:
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	

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

Output:
```

/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	

```
Input:
{
  "CatalogIds":["12"]
}

Output:
```

/api/UpdateService/Actions/UpdateService.RemoveBaselines

POST method for RemoveBaselines

This method deletes baselines.

Description	Deletes baselines.
Privilege	BASELINE_MANAGEMENT
HTTP response codes	204
Example	

```
Input:
{
  "BaselineIds":[13]
}

Output:
```

/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	

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

Output:
{
  "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	

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

Output:
[
  {
    "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	

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

Response payload:
[
  {
    "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	

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

Output:
{
  "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"
}
```

Deploy

/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	

```
Input:

Output:
{
  "@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 79. 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

```
Input:

Output:
{
  "@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 80. Attributes

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

/api/TemplateService/Templates

This URI represents the templates.

GET method for Templates

This method returns the details of all available templates.

Table 81. 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

```
Input:

Output:
{
  "@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	

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

Output:
ID of the template
```

Table 82. Attributes

Attribute	Description
Name	Template name

Attribute	Description
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 • System • BIOS • NIC • LifeCycleController • RAID • EventFilters • All 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

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

Table 83. 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 to be created.

Attribute	Description
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

```
Input:

Output:
{
  "@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 84. Attributes

Attribute	Description
Id	Unique identifier for referencing a template.
Name	Template name.

Attribute	Description
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

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

Output:
ID of the template
```

```
Example to update a compliance template attriubtes

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

```
Output:
ID of the template
```

Table 85. 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

Example

```
Input:

Output:
```

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

```
Output:
{
    "@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 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.

/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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
```

```
  "@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 87. 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.

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

```
Input:

Output:
{
  "@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 88. Attributes

Attribute	Description
AttributeId	Unique identifier for an attribute.
AttributeEditInfold	Identifier for editing-related info for the attribute.

Attribute	Description
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

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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	

```
Output:
{
    "@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/Profiles

This URI represents the profiles.

GET method for Profiles

This method returns the list of available profiles.

Description	Returns list of profiles.
Privilege	VIEW
HTTP response codes	200

Example

```
Input:

Output:
{
  "@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.

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

```
Input:

Output:
{
    "@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/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

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

}

Output:
{
  "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

```
Input:
{
  "TemplateId" : 13,
  "BaseEntityId" : 25010
}

Output:
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.DetachProfile

POST method for TemplateService.DetachProfile

This method disassociates a profile from a specified device and reclaims the virtual identity from the specified device.

Description	Disassociates a profile from a specific device.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200
Example	


```
Input:
{
  "SourceEntityId" : 13,
  "ForceMigrate" : false
}
```

```
Output:
```

/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

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

Output:
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

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

Output:
{
"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 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

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

Output:
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

```
Input:
{
"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 codes	200

Example

```
Input:
{
  "Id": 11,
  "TargetIds": [5514],
  "NetworkBootIsoModel":
  {
    "BootToNetwork": true,
    "ShareType": "CIFS",
    "IsoPath": "bootToIsoPath.iso",
    "ShareDetail":
    {
      "IpAddress": "xx.xx.xx.xx",
      "ShareName": "xx.xx.xx.xx",
      "User": "bootToIsoUsername",
      "Password": "bootToIsoPassword"
    }
  },
  "Attributes": [],
  "Options":
  {
    "ShutdownType": 0,
    "TimeToWaitBeforeShutdown": 300,
    "EndHostPowerState": 1
  },
  "Schedule":
  {
    "RunNow": true,
    "RunLater": false
  }
}

Output:
ID of created task
```

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

```
Input:
{
  "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

```
Updating the minimum and maximum bandwidth of the NICs, and the tagged and
untagged VLANs.

Input:
{
  "TemplateId": 10,
  "IdentityPoolId": 0,
  "Attributes":
  [
    {
      "Attributes":
      [
        {
          "Id": 3297,
          "Value": "20",
          "IsIgnored": false
        },
        {
          "Id": 3298,
          "Value": "100",
          "IsIgnored": false
        },
        {
          "Id": 3350,
          "Value": "30",
          "IsIgnored": false
        },
        {
          "Id": 3351,
          "Value": "100",
          "IsIgnored": false
        },
        {
          "Id": 3369,
          "Value": "20",
          "IsIgnored": false
        },
```

```
        {
          "Id": 3370,
          "Value": "100",
          "IsIgnored": false
        },
        {
          "Id": 3388,
          "Value": "30",
          "IsIgnored": false
        },
        {
          "Id": 3389,
          "Value": "100",
          "IsIgnored": false
        },
        {
          "Id": 3431,
          "Value": "20",
          "IsIgnored": false
        },
        {
          "Id": 3432,
          "Value": "100",
          "IsIgnored": false
        },
        {
          "Id": 3484,
          "Value": "30",
          "IsIgnored": false
        },
        {
          "Id": 3485,
          "Value": "100",
          "IsIgnored": false
        },
        {
          "Id": 3503,
          "Value": "20",
          "IsIgnored": false
        },
        {
          "Id": 3504,
          "Value": "100",
          "IsIgnored": false
        },
        {
          "Id": 3522,
          "Value": "30",
          "IsIgnored": false
        },
        {
          "Id": 3523,
          "Value": "100",
          IsIgnored": false
        }
      ]
    }
  ],
  "VlanAttributes":
  [
    {
            "ComponentId": 1090,
         "Untagged": 25455,
            "Tagged": [25531,25532]
       }
  ]
}
```

/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	

```
Input
{
    "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	

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

/api/TemplateService/Actions/TemplateService.MigrateProfile

POST method for TemplateService.MigrateProfile

Description	This method migrates a profile from one server to another.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200
Example	

```
Input
{
 "SourceDeviceEntityId":1234,
 "DestinationDeviceEntityId":5555,
 "ForceMigrate":false
}
```

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

```
Input:

Output:
{
  "@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

```
Input:
{
  "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="
    }
  }
}

Output:
```

/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

```
Input:

Output:
{
  "@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

```
Input:
{
     "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="
            }
      }
}

Output:
```

Table 89. 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
Example	

```
Input:

Output:
```

/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

```
Input:

Output:
{
  "@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

```
Input:
```

```
Output:
{
  "@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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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 IdentityPoolService.DeleteIdentityPools

This method deletes identity pools.

Description	Deletes identity pools.
Privilege	TEMPLATE_MANAGEMENT
HTTP response codes	200
Example	

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

Output:
```

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

```
Input:

Output:
{
  "@odata.context": "/api/
$metadata#Collection(NetworkConfigurationService.Network)",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/NetworkConfigurationService/Networks(42214)",
      "Id": 42214,
      "Name": "Network-1",
      "Description": "",
      "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
    },
    {
      "@odata.id": "/api/NetworkConfigurationService/Networks(42414)",
      "Id": 42414,
      "Name": ""Network-3",
      "Description": null,
      "VlanMaximum": 9,
      "VlanMinimum": 9,
      "Type": 8,
      "CreatedBy": "root",
      "CreationTime": "1970-01-01 01:02:29.628",
      "UpdatedBy": null,
      "UpdatedTime": "1970-01-01 01:02:29.628",
      "InternalRefNWUUId": 0
    }
  ]
}
```

Table 90. 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*.

Attribute name	Description
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*.
Type	Network type. For more information, see the details of other URIs of this resource.
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.
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

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

Output:
{
  "@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

```
Input:

Output:
{
  "@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

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

Output:
{
  "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 91. Attributes

Attribute name	Description
ID	The identifier of the target network profile.
Name	The target network profile name.
Description	The target network profile description.

Attribute name	Description
VlanMaximum	Maximum VLAN value, when a network profile is defined as a range.
VlanMinimum	Minimum VLAN value, when a network profile is defined as a range. **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

Example

```
Input:

Output:
```

/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

```
Input:

Output:
{
  "@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 92. 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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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 93. 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

```
Input:

Output:
{
  "@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 NetworkConfigurationService.RemoveNetworks

This method deletes the specified networks from the system.

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

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

Output:
```

7

Devices

/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	

```
Input:

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

/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

```
Input:

Output:
{
    "@odata.context": "$metadata#Collection(DeviceService.Device)",
    "@odata.count": 5,
    "value": [
        {
            "@odata.id": "/api/DeviceService/Devices(3315)",
            "Id": 3315,
            "Type": 1000,
            "Identifier": "SVCTG06",
            "DeviceServiceTag": "SVCTG06",
            "ChassisServiceTag": "SKY0028",
            "Model": "PowerEdge MX740c",
            "PowerState": 18,
            "ManagedState": 5000,
            "Status": 1000,
            "ConnectionState": false,
            "AssetTag": null,
            "SystemId": 1893,
            "DeviceName": "WIN-02GODDHDJTC",
            "LastInventoryTime": "2017-09-05 09:00:11.186",
            "LastStatusTime": "2017-09-06 08:30:06.730",
            "DeviceCapabilities": [
                32,
                1,
                2,
                3,
                4,
                7,
                8,
                9,
                41,
                11,
                12,
                13,
                14,
                15,
                16,
                17,
                30,
                31
            ],
            "Actions": null,
            "DeviceSubscription": null,
            "DeviceSpecificData": null,
            "SlotConfiguration": {
                "ChassisId": "4165",
                "SlotNumber": "6",
                "SledBlockPowerOn": "None blocking",
                "ChassisName": "GUI PT",
                "SlotName": "Sled-6",
                "ChassisServiceTag": "SKY0028",
```

```
                "SlotType": "2000"
            },
            "DeviceManagement": [
                {
                    "ManagementId": 5003,
                    "NetworkAddress": "xx.xx.xx.xx",
                    "MacAddress": "18:66:da:a6:c2:1d",
                    "ManagementType": 2,
                    "InstrumentationName": "WIN-02GODDHDJTC",
                    "DnsName": "iDRAC-SVCTG06",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5003,
                            "ManagementId": 5003,
                            "AgentName": "iDRAC",
                            "Version": "3.20.20.20",
                            "ManagementURL": "https://[ IP Address ]",
                            "Status": 1000,
                            "StatusDateTime": "2017-09-05 04:46:57.807"
                        }
                    ]
                }
            ],
            "InventoryDetails": [
                {
                    "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryDetails"
                }
            ],
            "HardwareLogs": [
                {
                    "@odata.id": "/api/DeviceService/Devices(3315)/
HardwareLogs"
                }
            ],
            "SubSystemHealth": [
                {
                    "@odata.id": "/api/DeviceService/Devices(3315)/
SubSystemHealth"
                }
            ],
            "RecentActivity": [
                {
                    "@odata.id": "/api/DeviceService/Devices(3315)/
RecentActivity"
                }
            ],
            "InventoryTypes": {
                "@odata.id": "/api/DeviceService/Devices(3315)/
InventoryTypes"
            },
            "LogSeverities": {
                "@odata.id": "/api/DeviceService/Devices(3315)/LogSeverities"
            },
            "Settings": [
                {
                    "@odata.id": "/api/DeviceService/Devices(3315)/Settings"
                }
            ],
            "Temperature": {
                "@odata.id": "/api/DeviceService/Devices(3315)/Temperature"
            },
            "Power": {
                "@odata.id": "/api/DeviceService/Devices(3315)/Power"
            },
            "BlinkStatus": {
                "@odata.id": "/api/DeviceService/Devices(3315)/BlinkStatus"
            },
            "PowerUsageByDevice": [
                {
                    "@odata.id": "/api/DeviceService/Devices(3315)/
PowerUsageByDevice"
```

```
                }
            ],
            "Faults": [
                {
                    "@odata.id": "/api/DeviceService/Devices(3315)/Faults"
                }
            ],
            "DeviceBladeSlots": [
                {
                    "@odata.id": "/api/DeviceService/Devices(3315)/
DeviceBladeSlots"
                }
            ],
            "GraphicInfo": {
                "@odata.id": "/api/DeviceService/Devices(3315)/GraphicInfo"
            }
        },
        {…},
        {…},
        {…},
        {…}
}
```

/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

```
Input:

Output:
{
  "@odata.context": "$metadata#Collection(DeviceService.Device)",
  "@odata.count": 5,
  "value": [
    {
      "@odata.id": "/api/DeviceService/Devices(3315)",
      "Id": 3315,
      "Type": 1000,
      "Identifier": "SVCTG06",
      "DeviceServiceTag": "SVCTG06",
      "ChassisServiceTag": "SKY0028",
      "Model": "PowerEdge MX740c",
      "PowerState": 18,
      "ManagedState": 5000,
      "Status": 1000,
      "ConnectionState": false,
      "AssetTag": null,
      "SystemId": 1893,
      "DeviceName": "WIN-02GODDHDJTC",
      "LastInventoryTime": "2017-09-05 09:00:11.186",
      "LastStatusTime": "2017-09-06 08:30:06.730",
      "DeviceCapabilities": [
         32,
         1,
         2,
         3,
```

```
          4,
          7,
          8,
          9,
          41,
          11,
          12,
          13,
          14,
          15,
          16,
          17,
          30,
          31
        ],
        "Actions": null,
          "DeviceSubscription": null,
          "DeviceSpecificData": null,
          "SlotConfiguration":
            {
              "ChassisId": "4165",
              "SlotNumber": "6",
              "SledBlockPowerOn": "None blocking",
              "ChassisName": "GUI PT",
              "SlotName": "Sled-6",
              "ChassisServiceTag": "SKY0028",
              "SlotType": "2000"
            },
          "DeviceManagement": [
            {
              "ManagementId": 5003,
              "NetworkAddress": "xx.xx.xx.xx",
              "MacAddress": "18:66:da:a6:c2:1d",
              "ManagementType": 2,
              "InstrumentationName": "WIN-02GODDHDJTC",
              "DnsName": "iDRAC-SVCTG06",
              "ManagementProfile": [
                {
                  "ManagementProfileId": 5003,
                  "ManagementId": 5003,
                  "AgentName": "iDRAC",
                  "Version": "3.20.20.20",
                  "ManagementURL": "https://[IP Address]",
                  "Status": 1000,
                  "StatusDateTime": "2017-09-05 04:46:57.807"
                }
              ]
            }
          ],
          "InventoryDetails": [
            {
              "@odata.id": "/api/DeviceService/Devices(3315)/InventoryDetails"
            }
          ],
          "HardwareLogs": [
            {
              "@odata.id": "/api/DeviceService/Devices(3315)/HardwareLogs"
            }
          ],
          "SubSystemHealth": [
            {
              "@odata.id": "/api/DeviceService/Devices(3315)/SubSystemHealth"
            }
          ],
          "RecentActivity": [
            {
              "@odata.id": "/api/DeviceService/Devices(3315)/RecentActivity"
            }
          ],
          "InventoryTypes": {
              "@odata.id": "/api/DeviceService/Devices(3315)/InventoryTypes"
            },
```

```
        "LogSeverities": {
          "@odata.id": "/api/DeviceService/Devices(3315)/LogSeverities"
        },
        "Settings": [
           {
             "@odata.id": "/api/DeviceService/Devices(3315)/Settings"
           }
        ],
        "Temperature": {
          "@odata.id": "/api/DeviceService/Devices(3315)/Temperature"
        },
        "Power": {
          "@odata.id": "/api/DeviceService/Devices(3315)/Power"
        },
        "BlinkStatus": {
          "@odata.id": "/api/DeviceService/Devices(3315)/BlinkStatus"
        },
        "PowerUsageByDevice": [
          {
            "@odata.id": "/api/DeviceService/Devices(3315)/PowerUsageByDevice"
          }
        ],
        "DeviceBladeSlots": [
          {
            "@odata.id": "/api/DeviceService/Devices(3315)/DeviceBladeSlots"
          }
        ],
        "GraphicInfo": {
          "@odata.id": "/api/DeviceService/Devices(3315)/GraphicInfo"
        }
    }
}
```

/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	

```
Input:

Output:
{
    "@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

```
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 InventoryDetails(InventoryType)

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

```
Input:
/api/DeviceService/Devices(25004)/InventoryDetails('deviceSoftware')

Output:
{
  "@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

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

```
}

                Output:
  NA
```

Table 94. 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(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

```
Input:

Output:
{
    "@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 SubSystemHealth

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	

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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 Settings('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

```
Example for network settings for IOM
Input:

Output:
{
  "@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
Input:

Output:
{
  "@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 Settings('Type')

This method updates the attributes under a specific setting type.

Description	Updates attributes under a specific setting type.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	200

Example

```
Example for network settings for IOM

Input:
{
  "@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": ""
  }
```

```
}

Output:
{
  "@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 network settings for Chassis

Input:
{
  "@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
  }
}

Output :
{
  "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	

```
Input:

Output:
{
```

```
  "@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 BlinkStatus

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	

```
Input:

Output:
{
  "@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 PowerUsageByDevice

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	

```
Input:

Output:
{
  "@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 DeviceBladeSlots

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	

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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=\"M21.3-98.5c0-0.8-0.6-1.4-1.4-1.4-1.4h-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/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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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/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	

```
Input:

Output:
{
  "@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/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	


```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
    "@odata.context":
"$metadata#Collection(DeviceService.DeviceSettingsMetadata)",
    "@odata.count": 19,
    "value": [
        {
            "Id": 1000,
            "Property": "redundancyPolicy",
            "Key": "NO_REDUNDANCY",
            "Value": "No Redundancy",
            "Description": "Redundancy policy type is No redundancy"
        },
        {
            "Id": 2000,
            "Property": "redundancyPolicy",
```

```
            "Key": "GRID_REDUNDANCY",
            "Value": "GRID Redundancy",
            "Description": "Redundancy policy type is GRID redundancy"
        },
        {
            "Id": 3000,
            "Property": "duplexMode",
            "Key": "HALF",
            "Value": "Half",
            "Description": "Duplex Mode is half."
        },
        {
            "Id": 4000,
            "Property": "duplexMode",
            "Key": "FULL",
            "Value": "Full",
            "Description": "Duplex Mode is full."
        },
        {
            "Id": 5000,
            "Property": "dhcpProvisioning",
            "Key": "DISABLED",
            "Value": "Disabled",
            "Description": "Dhcp Provisioning is disable"
        },
        {
            "Id": 6000,
            "Property": "dhcpProvisioning",
            "Key": "ENABLE_ONCE",
            "Value": "Enable Once",
            "Description": "Dhcp Provisioning is enable once"
        },
        {
            "Id": 7000,
            "Property": "dhcpProvisioning",
            "Key": "ENABLE_ONCE_AFTER_RESET",
            "Value": "Enable Once After Reset",
            "Description": "Dhcp Provisioning is enable once after reset"
        },
        {
            "Id": 8000,
            "Property": "networkSpeed",
            "Key": "10_MB",
            "Value": "10 MB",
            "Description": "Network speed is 10 MB"
        },
        {
            "Id": 9000,
            "Property": "networkSpeed",
            "Key": "100_MB",
            "Value": "100 MB",
            "Description": "Network speed is 100 MB"
        },
        {
            "Id": 10000,
            "Property": "networkSpeed",
            "Key": "1_GB",
            "Value": "1 GB",
            "Description": "Network speed is 1 GB"
        },
        {
            "Id": 11000,
            "Property": "quickSyncAccess",
            "Key": "DISABLED",
            "Value": "Disabled",
            "Description": "QuickSyncAccess is disabled"
        },
        {
            "Id": 12000,
            "Property": "quickSyncAccess",
            "Key": "READ_ONLY",
            "Value": "Read Only",
```

```
            "Description": "QuickSyncAccess is read only"
        },
        {
            "Id": 13000,
            "Property": "quickSyncAccess",
            "Key": "READ_WRITE",
            "Value": "Read-Write",
            "Description": "QuickSyncAccess is read write"
        },
        {
            "Id": 14000,
            "Property": "timeoutLimitUnit",
            "Key": "SECONDS",
            "Value": "Seconds",
            "Description": "Time out limit unit is seconds"
        },
        {
            "Id": 15000,
            "Property": "timeoutLimitUnit",
            "Key": "MINUTES",
            "Value": "Minutes",
            "Description": "Time out limit unit is minutes"
        },
        {
            "Id": 16000,
            "Property": "lcdAccess",
            "Key": "DISABLED",
            "Value": "Disabled",
            "Description": "LCD access is disabled"
        },
        {
            "Id": 17000,
            "Property": "lcdAccess",
            "Key": "VIEW_ONLY",
            "Value": "View Only",
            "Description": "LCD access is view only"
        },
        {
            "Id": 18000,
            "Property": "lcdAccess",
            "Key": "VIEW_AND_MODIFY",
            "Value": "View and Modify",
            "Description": "LCD access is view and modify"
        },
        {
            "Id": 19000,
            "Property": "redundancyPolicy",
            "Key": "PSU_REDUNDANCY",
            "Value": "PSU Redundancy",
            "Description": "Redundancy policy type is PSU redundancy"
        }
    ]
}
```


/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

```
Output:
{
  "@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

```
Input:
{"DeviceIds": [2464,2614,2514]}

Output:
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

```
Input:
    {
      "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

```
Input:
        {
      "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	

```
Input:
    {"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	

```
Input:
    {
    "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	

```
Input:
    {"DeviceIds": [3714, 1234]}
```

8

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

```
Input:
  {
          "Command":"ping www.dell.com"
  }

Output:
  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

/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

```
Input:

Output:
{
  "@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 95. 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
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 96. 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.

Attribute name	Description
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	

```
Input:

Output:
{
  "@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 97. 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
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	

```
Input:
{
  "Id": 1564,
  "Name": "Test Group1",
  "Description": "Test Group1",
  "GlobalStatus": 0,
  "DefinitionId": 0,
  "ParentId": 0
}

Output:
{
  "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	

```
Input:
{
  "Id": 1564
}

Output:
```

Table 98. 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	

```
Input:

Output:
{
  "@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 99. 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

```
Input:

Output:
{
  "@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 100. Attributes

Attribute name	Description
Id	ID of the group.

GET https://[IP]/api/GroupService/Groups(500)/AllLeafDeviceSummaries?$filter=Type eq 4000&$top=25&$skip=0&$orderby=Identifier asc

This URL represents all the devices recursively for the group.

GET method for AllLeafDeviceSummaries

Description Returns all the devices recursively for the group.

Privilege VIEW

HTTP response codes 200

Example

```
Input:

Output:
{
    "@odata.context": "/api/
$metadata#Collection(DeviceService.DeviceMinModel)",
    "@odata.count": 3,
    "value": [
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(10994)",
            "Id": 10994,
            "DeviceName": "WIN-8NG70S8477J",
            "Model": "PowerEdge R640",
            "Identifier": "3B130M2",
            "DeviceServiceTag": "3B130M2",
            "Type": 1000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 3000,
            "DeviceCapabilities": [
                1,
                2,
                3,
                4,
                5,
                6,
                7,
                8,
                9,
                11,
                12,
                13,
                14,
                15,
                16,
                17,
                18,
                30,
```

```
                31,
                33,
                41,
                50,
                1001,
                1009
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 10994,
                    "ManagementId": 5710,
                    "NetworkAddress": "xx.xx.xx.xx",
                    "MacAddress": "84:7b:eb:f4:e0:70",
                    "InstrumentationName": "idrac-BBHBS02",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5710,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "3.34.34.34",
                            "ManagementURL": "https://xx.xx.xx.xx:443"
                        }
                    ]
                }
            ],
            "IpAddress": "xx.xx.xx.xx"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(11003)",
            "Id": 11003,
            "DeviceName": "WIN-73G6VUDEP8S",
            "Model": "PowerEdge T330",
            "Identifier": "1SPT330",
            "DeviceServiceTag": "1SPT330",
            "Type": 1000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 3000,
            "DeviceCapabilities": [
                1,
                2,
                3,
                4,
                5,
                6,
                7,
                8,
                9,
                12,
                13,
                14,
                15,
                18,
                30,
                31,
                33,
                41,
                50,
                1009
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 11003,
                    "ManagementId": 5715,
                    "NetworkAddress": "xx.xx.xx.xx",
                    "MacAddress": "34:17:eb:e9:e6:c5",
                    "InstrumentationName": "idrac-",
                    "ManagementProfile": [
                        {
```

```
                            "ManagementProfileId": 5715,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "2.30.30.30",
                            "ManagementURL": "https://xx.xx.xx.xx:443"
                        }
                    ]
                }
            ],
            "IpAddress": "xx.xx.xx.xx"
        },
        {
            "@odata.type": "#DeviceService.DeviceMinModel",
            "@odata.id": "/api/GroupService/Groups(500)/
AllLeafDeviceSummaries(11008)",
            "Id": 11008,
            "DeviceName": "iDRAC-SM4T326",
            "Model": "PowerEdge R940xa",
            "Identifier": "SM4T326",
            "DeviceServiceTag": "SM4T326",
            "Type": 1000,
            "Status": 1000,
            "PowerState": 17,
            "ConnectionState": true,
            "ManagedState": 3000,
            "DeviceCapabilities": [
                1,
                2,
                3,
                4,
                5,
                6,
                7,
                8,
                9,
                11,
                12,
                13,
                14,
                15,
                16,
                17,
                18,
               30,
                31,
                33,
                41,
                50,
                1001,
                1009
            ],
            "DeviceManagement": [
                {
                    "DeviceId": 11008,
                    "ManagementId": 5719,
                    "NetworkAddress": "xx.xx.xx.xx",
                    "MacAddress": "58:8a:5a:e6:a3:2a",
                    "InstrumentationName": "WIN-02GODDHDJTC",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5719,
                            "ManagementId": 0,
                            "AgentName": null,
                            "Version": null,
                            "ManagementURL": "unknown"
                        }
                    ]
                },
                {
                    "DeviceId": 11008,
                    "ManagementId": 5717,
                    "NetworkAddress": "xx.xx.xx.xx",
```

```
                    "MacAddress": "58:8a:5a:e6:a3:2a",
                    "InstrumentationName": "iDRAC-SM4T326",
                    "ManagementProfile": [
                        {
                            "ManagementProfileId": 5717,
                            "ManagementId": 0,
                            "AgentName": "iDRAC",
                            "Version": "3.30.30.30",
                            "ManagementURL": "https://xx.xx.xx.xx:443"
                        }
                    ]
                }
            ],
            "IpAddress": "xx.xx.xx.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

```
Input:

Output:
{
  "@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 101. 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
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	

```
Input:

Output:
{
  "@odata.context": "$metadata#Collection(GroupService.GroupHierarchy)",
  "@odata.count": 1,
  "value": [
    {
      "ParentGroupId": 64,
      "ChildGroupId": 19164
    }
  ]
}
```

Table 102. 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	

```
Input:

Output:
{
  "@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 103. 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

```
Input:

Output:
{
  "@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 104. 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

```
Input:

Output:
{
  "@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 105. 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	

```
Input:

Output:
{
  "@odata.context": "$metadata#GroupService.MembershipType/$entity",
  "@odata.id": "/api/GroupService/MembershipTypes(12)",
  "Id": 12,
  "Name": "Static",
  "Description": "Static type"
}
```

Table 106. 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	

```
Input:

Output:
{
  "@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	

```
Input:
{
  "GroupId": 100,
  "MemberDeviceIds" : [1414, 1464, 1214, 1264]
}

Output:
```

/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	

```
Input:
{
  "GroupIds": [<comma_separated_group_ids>]
}

Output:
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	

```
Input:
{
  "IncludeLeafs": true, // optional parameter, if not included then default
if false
  "Privileges": [[<comma_separated_list_of_privileges_names >] // ex.
["DEVICE_UPDATE"]
}

Output:
  List of groups on which the user the specified privilege.
```

10 Monitor

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	

```
Input:

Output:
{
  "@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/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	

```
Input:

Output:
{
  "@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 107. 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

```
Input:

Output:
{
  "@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 108. 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.
NextRunEnd	Filter by next run time end.
LastRunBegin	Filter by last run time start.
LastRunEnd	Filter by last run time end.

Table 109. 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.

Attribute	Description
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 codes 201

Example

```
Input:
{
  "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"
      }
    }
  ]
}

Output:
```

```
{
  "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
}
```


/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	


```
Input:

Output:
{
  "@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 110. 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.

Attribute	Description
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.

PUT method for Jobs(Id)

This method updates a specific job.

Description Updates a job.

Privilege JOB_MANAGEMENT

HTTP response codes 200

Example

```
Input:
{
  "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"
      }
    }
  ]
}

Output:
{
  "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 111. 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.

Attribute	Description
State	Enabled state for the job. It should be enabled.
JobType	Id of job type.
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
Example	Input: Output:

Table 112. 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	Input: Output: { "@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 113. 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	

```
Input:

Output:
{
  "@odata.context": "/api/$metadata#JobService.JobStatus/$entity",
  "@odata.type": "#JobService.JobStatus",
  "@odata.id": "/api/JobService/JobStatuses(2030)",
  "Id": 2030,
  "Name": "Queued"
}
```

Table 114. 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	

```
Input:

Output:
{
  "@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 115. 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

```
Input:

Output:
{
  "@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 116. Attributes

Attribute	Description
Id	ID of the job type.

Attribute	Description
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

```
Input:

Output:
{
  "@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 117. Attributes

Attribute	Description
Id	Job execution history detail ID.
JobName	Name of the job.
Progress	Percentage of completion.

Attribute	Description
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

```
Input:

Output:
{
  "@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-MSMDNH1",
      "Value": "Running\nCompleted",
      "ExecutionHistoryId": 18683,
      "JobStatus":
      {
        "@odata.type": "#JobService.JobStatus",
        "Id": 2060,
        "Name": "Completed"
      }
    }
  ]
}
```

Table 118. Attributes

Attribute	Description
Id	Job execution history detail ID.
Progress	Percentage of completion.
StartTime	The start time of job execution.
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

```
Input:
{
  "JobIds": [100,200,300],
}

Or

Input:
{
     "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
      }
}
```

```
Or

Input:
{
  "AllJobs": true,
}

Output:
```

/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

```
Input:
{
  "JobIds": [100,200,300],
}

Or

Input:
{
  "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
  }
}

Or

Input:
{
  "AllJobs": true,
}

Output:
```

/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

```
Input:
{
  "JobIds": [100,200,300],
}

Or

Input:
{
  "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
  }
}

Or

Input:
{
  "AllJobs": true,
}

Output:
```

/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

```
Input:
{
  "JobIds": [100,200,300],
}

Or

Input:
{
  "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
  }
```

```
}

Or

Input:
{
  "AllJobs": true,
}

Output:
```

/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

```
Input:
{
  "JobIds": [100,200,300],
}

Or

Input:
{
  "Filters": {
          "Status": 2020,
          "State": "",
          "JobType": "AlertSubscription_Task",
          "StartTime": "2017-06-06 10:00:00.00",
          "EndTime": "2017-06-07 10:00:00.00"
  }
}

Or

Input:
{
  "AllJobs": true,
}

Output:
```

11

Reset application

/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	

```
Input:
{
  "ResetType":"RESET_ALL"
}
OR
{
  "ResetType":"RESET_CONFIG"
}

Output:
204 No Content
```

12

Console version

/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	

```
Input:

Output:
{
  "@odata.context": "/api/$metadata#ApplicationService.Info/$entity",
  "@odata.type": "#ApplicationService.Info",
  "@odata.id": "/api/ApplicationService/Info",
  "Name": "PowerEdge MX7000",
  "Description": "7U Modular Chassis platform",
  "Vendor": "Dell Inc",
  "ProductType": 1,
  "Branding": null,
  "Version": "1.00.00",
  "BuildNumber": "A00.382",
  "BuildDate": "2018-08-01T20:44:10Z",
  "Guid": "c5bc6492-4864-7250-0d50-67cf3d840021",
  "ManagementUri": null,
  "OperationStatus": "READY",
  "OperationName": null,
  "OperationJobId": 0
}
```

13

Console capabilities

/api/ApplicationService/Capabilities

This URI represents the capabilities of the management console—OME or OME - Modular.

GET method for Capabilities

This method returns the capabilities of the management console—OME or OME - Modular. These two management consoles have different capabilities.

Description	Returns the capabilities of the management console.
Privilege	VIEW
HTTP response codes	200

Example

```
Input:

Output:
Example of application capabilities of OME - Modular.
{
  "@odata.context": "/api/
$metadata#Collection(ApplicationService.Capability)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.type": "#ApplicationService.Capability",
      "Name": "OIDC_CAPABILITY",
      "Description": "OIDC SSO"
    },
    {
      "@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"
    }
  ]
}



Example of application capabilities of OME.
{
  "@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.GetDocument

/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	

```
Input:
{
  "Count":8,
  "Skip":7,
  "QueryString": "device",
  "FilterType":
  [
    "tasks",
    "devices",
    "events",
    "archdocs",
    "helplinks",
    "warranties",
    "policies",
    "users",
    "logs"
  ]
}

Output:
{
  "took": 87,
  "timed_out": false,
  "_shards": {
    "total": 1,
    "successful": 1,
    "failed": 0
  },
  "hits":{
    "total": 11,
    "max_score": 10,
    "hits": [
      {
        "_index": "msm",
```

```
        "_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 119. 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

/api/SearchService/Actions/SearchService.GetDocument

POST method for SearchService.GetDocument

This method searches for the document name you provide and returns the document that you can save.

Description	Returns the document corresponding to the search string.
Privilege	VIEW
HTTP response codes	200
Example	

```
Input:
{
  "FileName":"Whitepaper-PCSV-1.0.pdf"
}

Output:
A window appears prompting you to select the location for saving the file.
```

Table 120. Attributes

Attribute name	Description
FileName	Name of the file to be searched.

15

Session

/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

```
Input:

Output:
{
  "@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 121. 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	

```
Input:

Output:
{
  "@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 122. 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

```
Input:
{
     "UserName":"root",
  "Password":"linux",
  "SessionType":"API"
}

Output:
{
  "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 123. 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

```
Input:
{
     "UserName":"root",
```

```
  "Password":"linux",
  "SessionType":"API"
}

Output:
{
  "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 124. 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
Example	`N/A`

/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

```
Output:
{
    "@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

```
Input:
                [
        {
            "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
        }
                ]
```

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APIs specific to OpenManage Enterprise - Modular Edition

/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

```
Input:
[]

Output:
{
  "SystemConfiguration": {
    "Comments": [
      "Export type is Normal,JSON"
    ],
    "Model": "POWEREDGE MX7000",
    "ServiceTag": "01PTCMSM",
    "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-01PTCMSM1234"
          },
          {
            "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": "MSMMegatronTeam"
          },
          {
            "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 125. 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

```
Input:
{
  "SystemConfiguration": {
    "Comments": [
      "Export type is Normal,JSON"
    ],
    "Model": "POWEREDGE MX7000",
    "ServiceTag": "01PTCMSM",
    "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-01PTCMSM1234"
          },
          {
            "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": "MSMMegatronTeam"
```

```
        },
        {
          "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": ""
            }
          ]
        }
      ]
    }
}

Output:
{
  "JobId": 38758
}
```

Table 126. 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	

```
Input:

Output:
{
  "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

```
Imput:
{
  "BrandType":"DEBRANDED"
}
OR
{
  "BrandType":"DEFAULT"
}

Output:
{
  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 a MCM domain.

Description Returns the role of the chassis in a MCM domain.

Privilege VIEW

HTTP response codes 200

Example

```
Input:

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"
}


Output — Lead chassis:
{
  "@odata.context": "/api/
$metadata#ManagementDomainService.ManagementDomainService",
  "@odata.type": "#ManagementDomainService.ManagementDomainService",
  "@odata.id": "/api/ManagementDomainService",
  "GroupConfiguration":
  {
    "GroupId": "8e5c5534-8435-47f9-bf79-65498caf7b54",
    "DeviceGroupId": 29882,
    "GroupName": "Example-GroupName",
    "GroupDescription": "Example-GroupDescription",
    "JoinApproval": "Automatic",
    "ConfigReplication":
    [
      {
        "ConfigType": "Power",
        "Enabled": true
      },
      {
        "ConfigType": "UserAuthentication",
        "Enabled": true
      },
      {
        "ConfigType": "AlertDestinations",
        "Enabled": true
      },
      {
        "ConfigType": "TimeSettings",
        "Enabled": true
      },
      {
        "ConfigType": "ProxySettings",
        "Enabled": true
      },
      {
        "ConfigType": "SecuritySettings",
        "Enabled": true
      },
      {
        "ConfigType": "NetworkServices",
        "Enabled": true
      },
      {
        "ConfigType": "LocalAccessConfiguration",
        "Enabled": true
      }
    ]
  },
  "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"
}
```

Table 127. Attributes

Attribute	Description
GroupId	Unique group ID across different domains.
DeviceGroupId	Group configuration record ID.
GroupName	Name of the group.

Attribute	Description
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.

PUT method for ManagementDomainService

This method creates a new 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

```
Example for creating a group
Input:
{
  "GroupName": "Example-Group",
  "GroupDescription": "Example-Group",
  "JoinApproval": "Automatic",
  "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
    }
```

```
  ]
}

Output:
{
  "JobId": 36183,
  "Status": "Success"
}
```

```
Example for editing a group
Input:
{
        "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
    }
  ]
}

Output:
{
  "JobId": 36181,
  "Status": "SUCCESS"
}
```

Table 128. Attributes

Attribute	Description
GroupId	Unique group ID across different domains.
GroupName	Name of the group.
GroupDescription	Description of the group.

Attribute	Description
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.
DeviceGroupId	The ID of the device group associated with the management domain.

/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

```
Input:

Output:
{
  "@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": "MSM",
      "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": "MSM",
      "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-01UTCMSM",
      "Description": "POWEREDGE MX7000",
      "Identifier": "01UTCMSM",
      "DomainTypeId": 4000,
      "DomainTypeValue": "MSM",
      "DomainRoleTypeId": 3000,
      "DomainRoleTypeValue": "LEAD",
      "Version": "1"
    }
  ]
}
```


Table 129. 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 codes	200
Example	

```
Input:

Output:
{
  "@odata.context":
"$metadata#Collection(ManagementDomainService.ConfigurationType)",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/ManagementDomainService/ConfigurationTypes(1)",
      "Id": 1,
      "Name": "Power",
      "Description": "Power"
    },
    {
      "@odata.id": "/api/ManagementDomainService/ConfigurationTypes(2)",
      "Id": 2,
      "Name": "UserAuthentication",
      "Description": "User Authentication"
    }
  ]
}
```

Table 130. 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	

```
Input:

Output:
```

```
{
  "@odata.context": "$metadata#ManagementDomainService.ConfigurationType/
$entity",
  "@odata.id": "/api/ManagementDomainService/ConfigurationTypes(1)",
  "Id": 1,
  "Name": "Power",
  "Description": "Power"
}
```

Table 131. 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.

GET method for Domains

This method returns the role of this 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

If you execute 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 execute this API on a MEMBER, one domain representing the MEMBER (itself) and one domain representing the 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

```
Input:

Output – Standalone chassis:
{
  "@odata.context": "/api/
$metadata#Collection(ManagementDomainService.Domain)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.type": "#ManagementDomainService.Domain",
      "@odata.id": "/api/ManagementDomainService/Domains(25025)",
      "Id": 25025,
      "DeviceId": 25007,
      "PublicAddress":
      [
        "10.35.0.191",
        "fd76:6c:61:6e36:9d41:a14f:c77f:97d6"
      ],
      "Name": "MX-SKY000S",
      "Description": "POWEREDGE MX7000",
      "Identifier": "SKY000S",
```

```
      "DomainTypeId": 4000,
      "DomainTypeValue": "MSM",
      "DomainRoleTypeId": 3002,
      "DomainRoleTypeValue": "STANDALONE",
      "Version": "1",
      "Local": true,
      "GroupId": "053ca12c-e181-4502-b4b5-7f5090bbf08c",
      "GroupName": null
    }
  ]
}


Output — Member chassis:
{
  "@odata.context": "/api/
$metadata#Collection(ManagementDomainService.Domain)",
  "@odata.count": 2,
  "value":
  [
    {
      "@odata.type": "#ManagementDomainService.Domain",
      "@odata.id": "/api/ManagementDomainService/Domains(25018)",
      "Id": 25018,
      "DeviceId": 25003,
      "PublicAddress":
      [
        "10.35.155.91"
      ],
      "Name": "MX-UTSKY88",
      "Description": "POWEREDGE MX7000",
      "Identifier": "UTSKY88",
      "DomainTypeId": 4000,
      "DomainTypeValue": "MSM",
      "DomainRoleTypeId": 3001,
      "DomainRoleTypeValue": "MEMBER",
      "Version": "1",
      "Local": true,
      "GroupId": "8e5c5534-8435-47f9-bf79-65498caf7b54",
      "GroupName": "Example-GroupName"
    },
    {
      "@odata.type": "#ManagementDomainService.Domain",
      "@odata.id": "/api/ManagementDomainService/Domains(25717)",
      "Id": 25717,
      "DeviceId": 0,
      "PublicAddress":
      [
        "10.36.0.167"
      ],
      "Name": "MX-01PTCMSM",
      "Description": "POWEREDGE MX7000",
      "Identifier": "01PTCMSM",
      "DomainTypeId": 4000,
      "DomainTypeValue": "MSM",
      "DomainRoleTypeId": 3000,
      "DomainRoleTypeValue": "LEAD",
      "Version": "1",
      "Local": false,
      "GroupId": "8e5c5534-8435-47f9-bf79-65498caf7b54",
      "GroupName": "Example-GroupName"
    }
  ]
}


Output — Lead chassis:
{
  "@odata.context": "/api/
$metadata#Collection(ManagementDomainService.Domain)",
  "@odata.count": 2,
  "value":
```

```
  [
    {
      "@odata.type": "#ManagementDomainService.Domain",
      "@odata.id": "/api/ManagementDomainService/Domains(25020)",
      "Id": 25020,
      "DeviceId": 25003,
      "PublicAddress":
      [
        "10.36.0.167"
      ],
      "Name": "MX-01PTCMSM",
      "Description": "POWEREDGE MX7000",
      "Identifier": "01PTCMSM",
      "DomainTypeId": 4000,
      "DomainTypeValue": "MSM",
      "DomainRoleTypeId": 3000,
      "DomainRoleTypeValue": "LEAD",
      "Version": "1",
      "Local": true,
      "GroupId": "8e5c5534-8435-47f9-bf79-65498caf7b54",
      "GroupName": "Example-GroupName"
    },
    {
      "@odata.type": "#ManagementDomainService.Domain",
      "@odata.id": "/api/ManagementDomainService/Domains(30000)",
      "Id": 30000,
      "DeviceId": 29962,
      "PublicAddress":
      [
        "10.35.155.91"
      ],
      "Name": "MX-UTSKY88",
      "Description": "POWEREDGE MX7000",
      "Identifier": "UTSKY88",
      "DomainTypeId": 4000,
      "DomainTypeValue": "MSM",
      "DomainRoleTypeId": 3001,
      "DomainRoleTypeValue": "MEMBER",
      "Version": "1",
      "Local": false,
      "GroupId": "8e5c5534-8435-47f9-bf79-65498caf7b54",
      "GroupName": "Example-GroupName"
    }
  ]
}
```


Table 132. 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

Attribute	Description
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/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

```
Input:

Output:
{
  "@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": "MSM",
  "DomainRoleTypeId": 3000,
  "DomainRoleTypeValue": "LEAD",
  "Version": "VERSION",
  "Port": "443",
  "Local": true,
  "GroupId": "4e361023-07cc-4b98-af3f-ba7c2ef2f5b9",
  "GroupName": "DDD"
}
```

Table 133. 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

```
Input:

Output:
{
  "@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": "MSM",
      "Version": "1.00.10"
    }
  ]
}
```


Table 134. 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	

```
Input:
```

```
Output:
{
  "@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": "MSM",
  "Version": "VERSION",
}
```

Table 135. 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
Input:
[
  {
    "GroupId": "3ec57902-d92f-4cf3-a9af-1587c300bb21"
  }
]

Output:
{
  "JobId": 14714,
  "Status": "APPROVED"
}
```

```
Adding multiple domains to an MCM group
Input:
[
     {
          "GroupId": "be062037-30a5-4a8e-ae39-ee3bff4a8a29"
     }
]
[
  {
          "GroupId": "91e0b654-9de4-4a62-b5b1-c0da11d81b70"
     }
]

Output:
{
  "JobId": 36128,
  "Status": "APPROVED"
}
```

Table 136. 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

```
Input:
{
  "GroupId": "671497bc-9d61-4067-afcd-48f9df5e8dd2"
}

Output:
```

```
{
  "JobId": 12764,
  "Status": "PENDING"
}
```

Table 137. 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	

```
Input:

Output:
{
  "JobId": 13664,
  "Status": "SUCCESS"
}
```

Table 138. 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

```
Input:
[
  {
          "Id": 123, //Id from /api/ManagementDomainService/Domains
        }
]

Output:
{
  "JobId": 36126,
  "Status": "SUCCESS"
}
```

Table 139. 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

```
Input:
{
  "GroupId": "671497bc-9d61-4067-afcd-48f9df5e8dd2"
}

Output:
{
  "JobId": 13514,
  "Status": "SUCCESS"
}
```

Table 140. 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.**

Attribute	Description
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/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

```
Approving or rejecting one pending request
Input:
[
  {
    "Id": 15964,
    "Approval":true
  }
]

Output:
{
  "Status": "SUCCESS"
}
```

```
Approving or rejecting multiple pending requests
Input:
[
     {
          "Id": 36197,
          "Approval": true
     },
     {
          "Id": 36198,
          "Approval": false
     }
]

Output:
{
  "Status": "SUCCESS"
}
```

Table 141. Attributes

Attribute name	Description
Id	ID of the pending domain that requested to join the group.

Attribute name	Description
Approval	Indicates if the request is approved or rejected. Possible values: • true: Approved • false: Rejected
Status	Status of the operation.

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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.Fabric)",
  "@odata.count": 1,
  "value":
  [
    {
      "@odata.type": "#NetworkService.Fabric",
      "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')",
      "Id": "0bebadec-b61b-4b16-b354-5196396a4a18",
      "Name": "Fabric-1",
      "Description": "This is a fabric.",
      "Summary":
        {
          "NodeCount": 2,
          "ServerCount": 0,
          "UplinkCount": 0
        },
      "LifeCycleStatus":
      [
        {
          "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": "2018-07-18T05:29:52Z"
            },
            {
              "MessageId": "NFAB0018",
              "Message": "The network fabric is not healthy because uplinks
are not configured.",
              "MessageArgs": [],
              "Severity": "Warning",
              "Resolution": "Make sure at least one uplink is configured to
the fabric.",
              "Category": "Audit",
              "DetailedDescription": "",
              "TimeStamp": "2018-07-18T05:29:52Z"
            }
          ]
        },
      "FabricDesignMapping":
      [
        {
          "DesignNode": "Switch-A",
          "PhysicalNode": "DPM4XC1"
        },
        {
          "DesignNode": "Switch-B",
          "PhysicalNode": "DPM4XC2"
        }
      ],
      "Switches@odata.navigationLink": "/api/NetworkService/
Fabrics('0bebadec-b61b-4b16-b354-5196396a4a18')/Switches",
      "Servers@odata.navigationLink": "/api/NetworkService/Fabrics('0bebadec-
b61b-4b16-b354-5196396a4a18')/Servers",
      "FabricDesign":
        {
          "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')/FabricDesign"
        },
      "ValidationErrors@odata.navigationLink": "/api/NetworkService/
Fabrics('0bebadec-b61b-4b16-b354-5196396a4a18')/ValidationErrors",
      "Uplinks@odata.navigationLink": "/api/NetworkService/Fabrics('0bebadec-
b61b-4b16-b354-5196396a4a18')/Uplinks",
      "Topology":
        {
          "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-
b354-5196396a4a18')/Topology"
        },
      "ISLLinks@odata.navigationLink": "/api/NetworkService/
Fabrics('0bebadec-b61b-4b16-b354-5196396a4a18')/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

```
Input:
{
  "Name":"Fabric-1",
  "Description":"This is a fabric.",
  "FabricDesignMapping":
  [
    {
      "DesignNode":"Switch-A",
      "PhysicalNode":"DPM4XC1"
    },
    {
      "DesignNode":"Switch-B",
      "PhysicalNode":"DPM4XC2"
    }
  ],
  "FabricDesign":
    {
      "Name":"2xMX9116n_Fabric_Switching_Engines_in_same_chassis"
    }
}

Output:
(Fabric-Id)
```

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`.

/api/NetworkService/FabricDesign

This URI represents the fabric designs.

GET method for FabricDesign

This method returns a list of the fabric designs.

Description	Returns a list of fabric designs.
Privilege	VIEW
HTTP response codes	200

Example

```
Input:

Output:
{
  "@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	

```
Input:
```

```
Output:
{
  "@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

```
Input:
{
  "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 "
    }
}

Output:
TRUE
```

Table 142. 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
Example	

```
Input:

Output:
```

/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	

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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 codes 201

Example

```
Input:
{
  "Name":"Fabric-1",
  "Description":"This is a fabric.",
  "MediaType":"Ethernet",
  "Ports":
  [
    {
      "Id":"8KWYERN1:e102-009-0"
    }
  ],
  "Networks":
  [
    {
      "Id":8756
    }
  ]
}

Output:
Uplink Id
```

Table 143. 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	

```
Input:

Output:
{
  "@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"
}
```

PUT method for Uplinks(Id)

This method updates a specific uplink.

Description	Updates a specific uplink.
Privilege	FABRIC_MANAGEMENT
HTTP response codes	201

Example

```
Input:
{
  "Id":"123e4567-e89b-12d3-a456-426655440012",
  "Name":"Fabric-1",
  "Description":"This is a fabric.",
  "MediaType":"Ethernet",
  "Ports":
  [
    {
      "Id":"8KWYERN1:e102-009-0"
    }
  ],
  "Networks":
  [
    {
      "Id":8315
    }
  ]
}

Output:
TRUE
```

Table 144. 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

Example

```
Input:

Output:
```

/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	

```
Input:

Output:
{
  "@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


```
Input:

Output:
{
  "@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)/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

```
Input:

Output:
{
  "@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)/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

```
Input:

Output:
    {
  "@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	

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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	


```
Input:

Output:
{
  "@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)/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

```
Input:

Output:
{
  "@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/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	

```
Input:
{
  "FabricIds":["Fabric-1","Fabric-2']
}

Output:
{
  "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	

```
Input:
{
  "FabricId":"FabricId",
  "UplinkIds":["id1","id2"]
}

Output:
{
  "id1": true,
  "id2": true
}
```

/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

```
Input:

Output:
{
  "DesignCriteria":
  [
    {
      "Criterion":
        {
          "NodeName":"Switch-A","ChassisName":"Chassis-X","Slot":"Slot-
A1","Type":"WeaverSwitch"
        },
      "ApplicableNodes":
      [
        {
          "ServiceTag":"DPM4XC2","Slot":"IOM-B2","ChassisName":"MX-
SKY002P12345678901234567890123456789012345","ChassisServiceTag":"SKY002P12345678901234567890123
        }
      ]
    },
    {
      "Criterion":
        {
          "NodeName":"Switch-B","ChassisName":"Chassis-Y","Slot":"Slot-
A2","Type":"WeaverSwitch"
        },
      "ApplicableNodes":
      [
        {
          "ServiceTag":"DPM4XC2","Slot":"IOM-B2","ChassisName":"MX-
SKY002P12345678901234567890123456789012345","ChassisServiceTag":"SKY002P12345678901234567890123
        }
      ]
    }
  ]
}
```

/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

```
Input:
{
  "UplinkType":1
}

Output:
{
  "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 145. Attributes

Attribute name	Description
UplinkType	ID of the uplink type. For more information, see `/api/NetworkService/UplinkTypes`).

/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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  /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

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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"
    }
  ]
}
```


/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

```
Input:

Output:
{
  "@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-SKY002P12345678901234567890123456789012345",
      "ChassisServiceTag": "SKY002P12345678901234567890123456789012345",
      "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	

```
Input:

Output:
{
  "@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	

```
Input:

Output:
{
  "@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/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

```
Input:

Output:
{
  "@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 /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

```
Input:
Output:
{    "@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 146. 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

```
{
    "Id": "PFSTN16",
    "ServerServiceTag":"PFSTN16",
    "ServerInterfaceProfiles": [{
        "Id": "NIC.Mezzanine.1-2-1",
        "NativeVLAN":25,
        "Networks": [{
            "Id": 25365
        },
        {
            "Id": 25484
        }]
    },
    {
        "Id": "NIC.Mezzanine.1-1-1"
    }]
}
Output:
true
```

Table 147. Attributes

Attribute	Description
Id	Server profile identifier.
ServerServiceTag	Service tag of the server.
ServerInterfaceProfiles	Sub payload that takes information 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 required here is the identifier of the NW profile with which you want to associate the NIC. For more information on Network model definitions, refer to Network Configuration Service.

/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	

```
Input:
Output:
{
    "@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 148. 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

```
Input:
Output:
{
    "@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

```
Input:
Output:
{
    "@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

```
Input:
Output:
{
    "@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/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 codes	201

Example

```
Input:
[{
                "Id": "SL4V311",
                "ServerServiceTag": "SL4V311",
                "ServerInterfaceProfiles": [{
                            "Id": "NIC.Mezzanine.1-2-1",
                            "NativeVLAN":1,
                            "Networks": [{
                                                "Id": 25112
                                },
                                {
                                                "Id": 25114
                                }]
                },
                {
                                "Id": "NIC.Mezzanine.1-1-1"
                }]

}]




Output:

{
    "JobId": 25546
}
```

Table 149. 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.

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

```
Input:
"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"
    }
  }
]

Output:
```

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 codes	201

Example

```
Input:
"Params":
[
  {
    "Key":"operationName",
    "Value":"CONFIGURE_ AUTO_NEG"
  },
  {
    "Key":"enableInterfaceIds",
    "Value":"GF86XC2:1/1/9,GF86XC2:1/1/10"
  },
  {
    "Key":"disableInterfaceIds",
    "Value":"GF86XC2:1/1/9,GF86XC2:1/1/10"
  }
],
"Targets":
[
  {
    "Id":2664,
    "Data":"",
    "TargetType":
      {
        "Id":4000,
        "Name":"DEVICE"
      }
  }
]

Output:
```

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

```
Input:
"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"
      }
  }
]

Output:
```

POST method for configuration port speed

This method configures the port speed.

Description	Configures the port speed.
Privilege	DEVICE_CONFIGURATION
HTTP response codes	201

Example

```
Input:
"Params":
[
  {
    "Key":"operationName",
    "Value":"CONFIGURE_PORT_SPEED"
  },
  {
    "Key":"interfaceId",
    "Value":"GF86XC2:1/1/9,GF86XC2:1/1/10"
  },
  {
    "Key":"speed",
    "Value":"100000"
  }
],
"Targets":
[
  {
    "Id":2664,
    "Data":"",
    "TargetType":
      {
        "Id":4000,
        "Name":"DEVICE"
      }
  }
]

Output:
```

Table 150. 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 refer 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	

```
Input:
{
  "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"
        }
    }
  ]
}
Output:
```

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

```
Input:
{
   "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"
         }
      }
   ]
}
Output:
```

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

```
Input:
{
   "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"
            }
         }
      ]
   }
   Output:
```

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	

```
Input:
{
   "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"
         }
      }
   ]
```

```
}
Output:
```

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	

```
Input:
{
  "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"
          }
      }
    ]
}
Output:
```

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	

```
Input:
{
  "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"
        }
    }
  ]
}

Output:
```

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

```
Input:
{
  "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"
    }
  ]
}
Output:
```

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

```
Input:
{
  "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>"
    }
  ]
}
Output:
```

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

```
Input:
{
   "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="
      }
   ]
}

Output:
{
      "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 151. 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	
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.

Attribute name	Description
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.

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APIs specific to OpenManage Enterprise

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

```
Input:
{
 "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	

```
Output:
{
 "@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"
   }
  ]
}
```

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	

```
Output:
{
    "@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	

```
Output:
{
    "@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	

```
{
  "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	Input: ["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	Input:
	{
	"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	Input: { "PolicyId": 14164, "Top": 2,

```
 "Skip": 1
}
Output:
{
    "@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

https://<IP>/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

```
Input:
{
   "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

```
Input:
{
         "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

```
Input:
"ConsoleSetting": [
      {
         "Name": "CONSOLE_CONNECTION_SETTING",
         "DefaultValue": "last_known",
         "Value": "unknown",
         "DataType": "java.lang.String",
         "GroupName": "CONSOLE_CONNECTION_SETTING"
      }
```

```
    ]
}
```

https://<IP>/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	

```
Input:
{
"ConsoleSetting":
[{
"Name": "REPORTS_MAX_RESULTS_LIMIT",
            "Value": "0",
            "DataType": "java.lang.Integer",
            "GroupName": ""
}
]

}
```

https://localhost:443/api/ApplicationService/Settings

POST method for ReportSettings

Description	Configures the maximum limit for the reports.
Privilege	APPLIANCE_SETUP
HTTP response codes	200
Example	

```
Input:
{
   "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	

```
Input:
{
   "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	

```
Input:
{
    "ConsoleSetting": [
        {
            "Name": "TRAP_FORWARDING_SETTING",
            "DefaultValue": "false",
            "Value": "Normalized",
            "DataType": "",
            "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	

```
Input:
{
    "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	

```
Input:
{
   "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	

```
Input:
[
    {
        "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

```
Input:
[
{
            "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

```
Input:
{
   "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	

```
Input:
{
  "ConsoleSetting":
                [  {
      "Name": "WARRANTY_SCOREBOARD",
      "DefaultValue": "false",
      "Value": "true",
      "DataType": "java.lang.Boolean",
      "GroupName": "WARRANTY_SCOREBOARD"
    }


                ]

}
```

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	

```
Input:
{
 "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

```
Input:
{
 "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

```
Output
"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 152. 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	

```
Input:
{
 "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	

```
Output: 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

```
Output:
{
 "@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	

```
Output:
{
    "@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

```
Output:
{
 "@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	

```
Output:
{
    "@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	

```
Output:
{
 "@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	

```
Output:
[
    {
        "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 153. 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

```
Output:
{
 "@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	

```
Output:
{
    "@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	

```
Output:
{
 "@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

/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	

```
Input:
{
  "Id" : 0,
  "Name": "Test Group1",
  "Description": "Test Group1",
  "GlobalStatus": 0,
  "ParentId": 0
}

Output:
{
  "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

Example	`Input:`
	
	`Output:`

Table 155. 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

```
Input:
Output:
{
  "@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

```
Input:
Output:
{
  "@odata.context": "$metadata#Collection(GroupService.StatusSummary)",
  "@odata.count": 2,
  "value": [
    {
      "StatusType": 16,
      "Count": 21
    },
    {
      "StatusType": 8,
      "Count": 1
    }
  ]
}
```

/api/GroupService/Groups(500)/EventSeveritySummary?$filter=StatusType eq 2000

This URL represents 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(500)/EventSeveritySummary?$filter=StatusType eq 1000

This URL represents 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(500)/EventSeveritySummary $filter=StatusType eq 1

This URL represents 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	

```
Input {
"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

```
Input:
{
 "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

```
Input:
{
    "Id": 3164,
  "Name": "Test Group-My122-cloned",
 "Description": "Test Group123-4",
 "GlobalStatus": 0,
 "DefinitionId": 0,
 "ParentId": 12
}
```

/api/GroupService/Actions/GroupService.DeleteGroup

This URI represents deleting a group.

POST method for GroupService.DeleteGroup

This method deletes group(s).

Description	Deletes group(s).
Privilege	GROUP_MANAGEMENT
HTTP response codes	204

Example

```
Input:
  {"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	

```
Input:
 {
 "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	

```
Input:
 {
 "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

```
Input:
{
    "UserId" : 3864,
    "GroupIds" : [1314, 1264]
}
```

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

```
Input:
Output:
{
    "@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

```
Input:
{
 "AutoDeployId":0,
 "TemplateId":9,
   "Identifiers" : ["aad6aaa","dsf346fad","sr346hcf" ]

}

Output:
{
    "AutoDeployId": 33,
    "AutoDeployDevices": [
        {
            "Identifier": "AAD6AAA",
            "ResultCode": 0,
            "BaseEntityId": 10327
        },
        {
            "Identifier": "DSF346FAD",
            "ResultCode": 1,
            "BaseEntityId": 0
        },
        {
            "Identifier": "SR346HCF",
            "ResultCode": 0,
            "BaseEntityId": 10328
        }
    ]
}
```

Table 156. Attributes

Attribute name	Description
ResultCode	0=Action Successful 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	

```
Input:
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	

```
Input:
{
    "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	

```
Input:
{
  "https://[ IP Address ]/api/AutoDeployService/AutoDeploy(1)"
}
Output:
```

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	

```
Output:
{
    "@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 157. 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	200

Example

```
Input:
{
   "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

```
Input:
{
   "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

```
Input: {
   "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

```
Input: {
   "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
}
```


/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	

```
Input:
   {
"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	

```
Input: { 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	

```
Input:
{
 "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
}

Output:
{
    "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 158. 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

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

```
Output:
{
 "@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 159. 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

```
Input:
{
 "NumberOfActiveWarranties":0,
 "NumberOfWarrantiesExpiringSoon":0,
 "NumberOfExpiredWarranties":0,
 "ScoreBoard": false
}

Output:
{
 "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

```
Input:
{
                                                                    "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	


```
Output:
{
 "@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 160. Attributes

Attribute	Description
Id	Report identifier

Attribute	Description
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

```
Input:
{
   "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	

```
Input:
{
  "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 161. 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

```
Output:
{
 "@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	

```
Output:
{
    "@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	

```
Input:
{
   "ReportDefId":1564,
   "FilterGroupId":0
}
```

/api/ReportService/Actions/ReportService.DownloadReport

The URI represents the download of reports.

POST method for ReportService.DownloadReport

This method downloads all the reports.

Description	Downloads all the reports.
Privilege	VIEW
HTTP response codes	200
Example	

```
Input:
{
 "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	

```
Input:
[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	

```
Input:
{
 "ReportDefId":"25074",
 "ReportDefName":"new clone report"
}
```

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	

```
Input:
{
 "@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

```
Ouput:
[{
 "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	

```
Input:
["/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	

```
Input:
 [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	

```
Output:
{
 "@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	

```
Output:
{
 "@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	

```
Output:
{
 "@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

/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

```
Input: None

Output:
{
    "@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 162. Attributes

Attribute	Description
Id	Plug-in ID
Name	Plug-in name

Attribute	Description
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

```
Input: None
Output:
{
    "@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

```
Input: None
Output:
{
    "@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 163. 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.

Attribute	Description
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

```
Input:
{
    "OmeVersion": "1.0.0",
    "Plugins": [
            {
                "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
                "Version": "1.0.0.9"
            }
    ]
}
Output:
{
    "Plugins": [
        {
            "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
            "Compatible": false
        }
    ]
}
```

Table 164. 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

```
Input:
{
    "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"
        }
    ]
}

Output:
12098
```

Table 165. 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

/api/MetricService/Metrics

This URL returns all the device or group metrics.

POST method for Metrics

Description	This method returns all the device or group metrics.
Privilege	VIEW
HTTP response codes	201

Example

```
Input:
{
   "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
   "EntityType": 0,
   "EntityId": 10397,
   "MetricTypes": [
            1,
            2,
            3
   ],
   "Duration": 0,
   "SortOrder":0
}

Output:
{
"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 166. 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.

Attribute	Description
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
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	

Attribute	Description
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

```
Input:
{
   "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
   "Top": 5,
   "EntityType": 0,
   "DeviceType": 1000,
   "Duration": 8
}
Output:
{
"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 167. 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.

Attribute	Description
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
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

```
Input:
{
   "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
   "EntityType": 0,
   "EntityId": 10395,
   "Duration": 4
}
Output:
{
    "TotalEnergy": "0.044"
}
```

Table 168. 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.

Attribute	Description
Duration	
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

/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

```
Input:
None

Output:
{
    "@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	

```
Input:
{
   "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
   "EntityType": 0,
   "EntityId": 10397,
   "Duration": 1,
   "MetricTypes": [1,2,3]
}
Output:
{
    "Value": [
        {
            "Type": "1",
            "Value": "242.0"
        },
        {
            "Type": "2",
            "Value": "176.0"
        },
        {
            "Type": "3",
            "Value": "192.75"
        }
    ]
}
```

Table 169. 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.

Attribute	Description
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
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

```
Input:
{
 "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
 "EntityId": 10079,
 "Type": "Temperature"
}


Output:
{
    "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "EntityId": 10079,
    "Type": "Temperature",
    "State": "Unknown",
    "UpperWarning": "100",
    "UpperCritical": "150",
    "LowerWarning": "70",
    "LowerCritical": "80"
}
```

Table 170. 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.
LowerCritical	Lower limit threshold of state 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

```
Input:
{
    "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "EntityId": 10079,
    "Type": "Temperature",
    "State": "Unknown",
    "UpperCritical": "40",
    "UpperWarning": "30",
    "LowerWarning": "20",
    "LowerCritical": "10"
}

Output:
{
    "ThresholdId": 0,
    "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "EntityId": 10079,
    "Type": "Temperature",
    "State": "Unknown",
    "UpperCritical": "40",
       "UpperWarning": "30",
    "LowerWarning": "20",
    "LowerCritical": "10"
}
```

Table 171. Attributes

Attribute	Description
Supported threshold	LowerWarning, lowerCritical, upperWarning, upperCritical
Supported state	Unknown, normal, warning, critical
Supported power	UpperWarning, upperCritical

Attribute	Description
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 — SessionService
- Redfish — Account Service
- Redfish — Message Registry
- Redfish — Chassis
- Redfish — Systems

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	

```
Input:

Output:
{
  "@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 172. 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

```
Input:

Output:
{
  "@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 173. 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.

Attribute name	Description
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

```
Input:
{
     "UserName":"root",
  "Password":"linux",
  "SessionType":"API"
}

Output:
{
  "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 174. 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

```
URI: /api/SessionService/Sessions/Sessions('7b723932-a119-4843-
a5b7-7a122e4def99')

Input:
{
     "UserName":"root",
  "Password":"linux",
  "SessionType":"API"
}

Output:
{
  "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 codes	204

Example

```
Input:
/api/SessionService/Sessions/Sessions('7b723932-a119-4843-a5b7-7a122e4def99')

Output:
```

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

```
Input:

Output:
{
  "@odata.context": "$metadata#AccountService.v1_0_2.AccountService",
  "@odata.id": "/redfish/v1/AccountService",
  "Oem": {
    "Dell": {
      "ByUserName": false,
      "ByIPAddress": false,
      "EnableIpRangeAddress": false
    }
  },
  "Id": "10",
  "Description": "MSM 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 175. 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.

Attribute name	Description
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

```
Input:
{
  "Id": "10",
  "Description": "MSM 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
}

Output:
{
  "Id": "10",
  "Description": "MSM 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 176. 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

```
Input:

Output:
{
  "@odata.context":
"$metadata#Collection(ManagerAccount.v1_0_2.ManagerAccount)",
  "@odata.count": 1,
  "value": [
    {
```

```
      "@odata.id": "/redfish/v1/AccountService/Accounts/Members('1814')",
      "Oem": {
        "Dell": {
          "UserTypeId": 1,
          "DirectortyServiceId": 0,
          "IsBuiltin": true
        }
      },
      "Id": "1814",
      "Description": "root",
      "Name": "root",
      "Password": null,
      "UserName": "root",
      "RoleId": "10",
      "Locked": false,
      "Enabled": true,
      "Links": null
    }
  ]
}
```

Table 177. Attributes

Attribute name	Description
Id	ID of the account.
UserTypeId	ID of the type of user.
DirectortyServiceId	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. While retrieving the details, this value is not displayed.
UserName	User name of the account.
RoleId	Role for the account.
Locked	Indicates whether the account is locked.
IsBuiltin	Indicates whether the account is a built-in 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

```
Input:
{
  "Description": "user2 description",
  "Name": "user2",
  "Password": "Dell123$",
  "UserName": "user2",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}

Output:
```

```
{
  "Id": "3064",
  "UserTypeId": 1,
  "DirectortyServiceId": 0,
  "Name": "user2",
  "Password": null,
  "UserName": "user2",
  "Description": "user2 description",
  "Oem": null,
  "RoleId": "10",
  "Locked": false,
  "IsBuiltin": false,
  "Enabled": true
}
```

Table 178. Attributes

Attribute name	Description
Id	ID of the account.
UserTypeId	ID of the type of user.
DirectortyServiceId	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.
Locked	Indicates whether the account is locked.
IsBuiltin	Indicates whether the account is a built-in 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

```
Input:

Output:
{
  "@odata.context": "$metadata#ManagerAccount.v1_0_2.ManagerAccount/$entity",
  "@odata.id": "/redfish/v1/AccountService/Accounts/Members('1814')",
  "Oem": {
    "Dell": {
      "UserTypeId": 1,
      "DirectortyServiceId": 0,
      "IsBuiltin": true
    }
  },
```

```
  "Id": "1814",
  "Description": "root",
  "Name": "root",
  "Password": null,
  "UserName": "root",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true,
  "Links": null
}
```

Table 179. Attributes

Attribute name	Description
Id	ID of the account.
UserTypeId	ID of the type of user.
DirectortyServiceId	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.
Locked	Indicates whether the account is locked.
IsBuiltin	Indicates whether the account is a built-in 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

```
Input:
{
  "Id": "3064",
  "UserTypeId": 1,
  "DirectortyServiceId": 0,
  "Name": "user2",
  "Password": "Dell123$",
  "UserName": "user2",
  "Description": "user2 description",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}

Output:
{
  "Id": "3064",
  "UserTypeId": 1,
  "DirectortyServiceId": 0,
  "Name": "user2",
  "Password": null,
  "UserName": "user2",
```

```
  "Description": "user2 description",
  "Oem": null,
  "RoleId": "10",
  "Locked": false,
  "IsBuiltin": false,
  "Enabled": true
}
```

Table 180. Attributes

Attribute name	Description
Id	ID of the account.
UserTypeId	ID of the type of user.
DirectortyServiceId	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.
Locked	Indicates whether the account is locked.
IsBuiltin	Indicates whether the account is a built-in 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 181. Attributes

Attribute name	Description
Id	ID of the account to be deleted.

/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

```
Input:

Output:
{
  "@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 182. 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

```
Input:

Output:
{
  "@odata.context": "$metadata#Registries.MessageRegistry",
  "@odata.id": "/redfish/v1/Registries",
  "Name": "Registry File Collection",
  "Description": "Registry Repository",
  "Base.1.0.0": [
    {
      "@odata.id": "/redfish/v1/Registries/Base.1.0.0"
    }
  ],
  "Dellv1_0_0": [
    {
      "@odata.id": "/redfish/v1/Registries/Dellv1_0_0"
    }
  ]
}
```

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.

GET method for Chassis

This method returns the details of the chassis.

Description	Returns the details of the chassis.
Privilege	VIEW
HTTP response codes	200
Example	

```
Input:

Output:
{
  "@odata.context": "/redfish/
v1/$metadata#ChassisCollection.ChassisCollection",
  "@odata.type": "#ChassisCollection.ChassisCollection",
  "@odata.id": "/redfish/v1/Chassis",
  "Description": null,
  "Name": "Chassis Collection",
  "Oem": null,
  "Members@odata.count": 8,
  "Members":
  [
    {
      "@odata.id": "/redfish/v1/Chassis/Members('25013')"
    },
    {
      "@odata.id": "/redfish/v1/Chassis/Members('25014')"
    },
    {
      "@odata.id": "/redfish/v1/Chassis/Members('25012')"
    },
    {
      "@odata.id": "/redfish/v1/Chassis/Members('25016')"
    },
    {
      "@odata.id": "/redfish/v1/Chassis/Members('25011')"
    },
    {
      "@odata.id": "/redfish/v1/Chassis/Members('25015')"
    },
    {
      "@odata.id": "/redfish/v1/Chassis/Members('25010')"
    },
    {
      "@odata.id": "/redfish/v1/Chassis/Members('25009')"
    }
  ]
}
```

Redfish — Systems

/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	

```
Input:

Output:
{
  "@odata.context": "/redfish/
v1/$metadata#ComputerSystemCollection.ComputerSystemCollection",
  "@odata.type": "#ComputerSystemCollection.ComputerSystemCollection",
  "@odata.id": "/redfish/v1/Systems",
  "Description": null,
  "Name": "Computer System Collection",
  "Oem": null,
  "Members@odata.count": 2,
  "Members":
  [
    {
      "@odata.id": "/redfish/v1/Systems/Members('25010')"
    },
    {
      "@odata.id": "/redfish/v1/Systems/Members('25011')"
    }
  ]
}
```