

OpenManage Enterprise Version 3.0 and OpenManage Enterprise - Modular Edition Version 1.00.01

RESTful API Guide

Notes, cautions, and warnings

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

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

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

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About this document

This document contains information about the resource models for OpenManage Enterprise (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 vice-versa.

Table 1. Supported REST API versions

| Product | Version |
|---|----------------|
| OpenManage Enterprise - Modular Edition | 1.00.01 |
| OpenManage Enterprise | 3.0 |

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

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](#)
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- [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

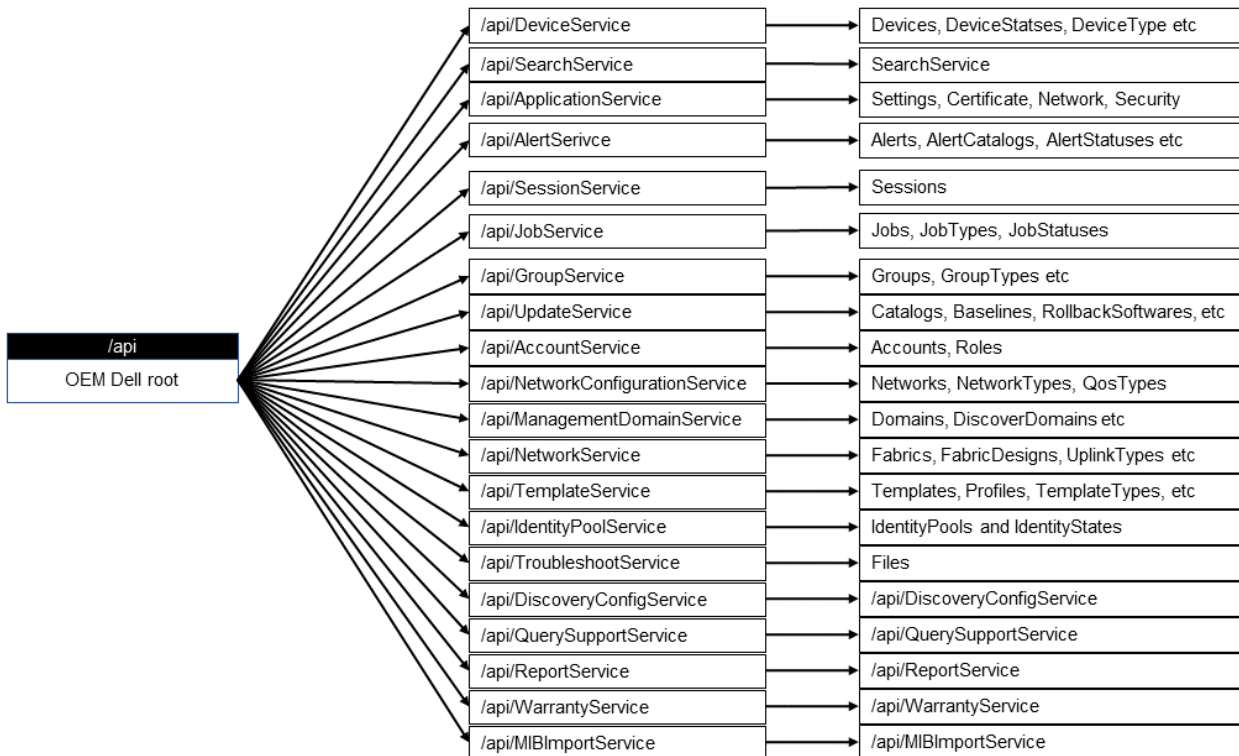


Figure 2. Resource tree for OME OEM scheme

Resource model

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

Redfish scheme

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

Resource tree for Redfish scheme

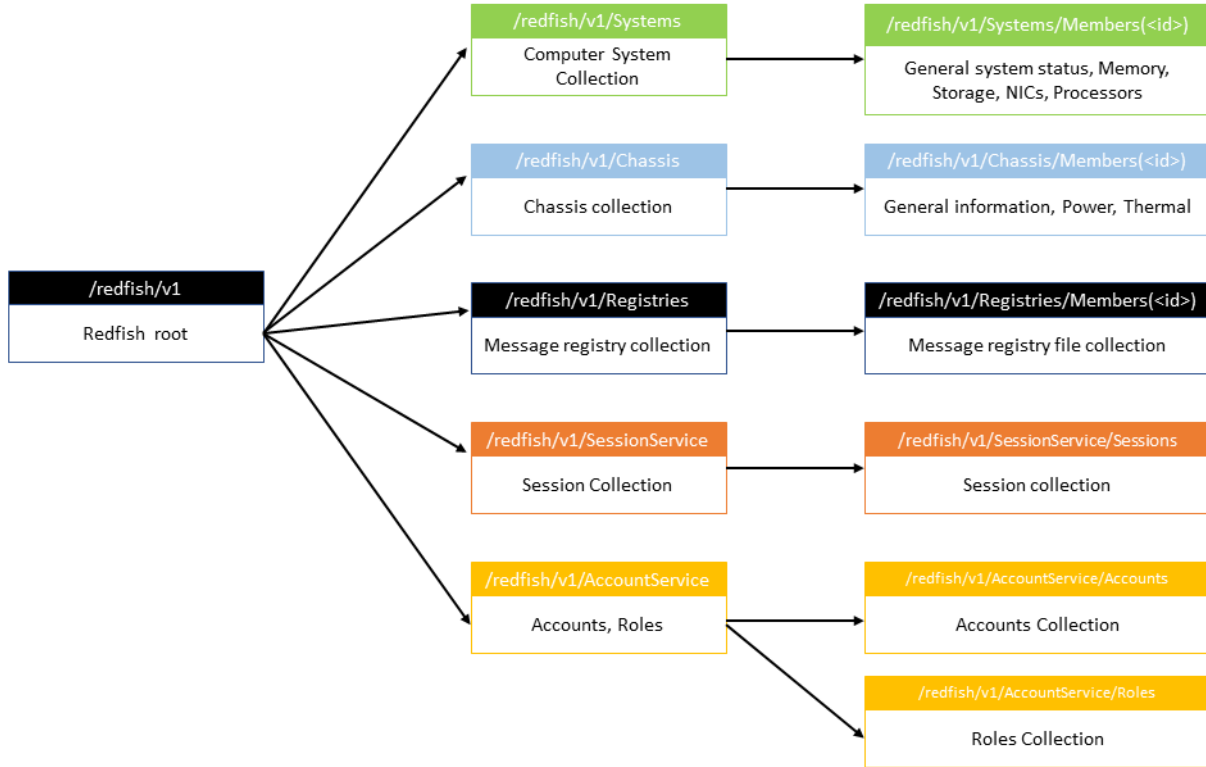


Figure 3. Resource tree for Redfish scheme

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://10.35.0.133/api/SessionService/Sessions
Input
{
  "UserName": "root",
  "Password": "linux",
  "SessionType": "API"
}
```

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

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

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

Authorization

Table 2. Authentication and authorization requirements

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

OME - Modular

Table 3. Role descriptions OME - Modular

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

Table 3. Role descriptions OME - Modular(continued)

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

Table 4. Roles and associated privileges for OME - Modular

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

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

| Privilege | Roles | | | | |
|--------------------|-----------------------|-----------------|-----------------|----------------|--------|
| | CHASSIS_ADMINISTRATOR | COMPUTE_MANAGER | STORAGE_MANAGER | FABRIC_MANAGER | VIEWER |
| NETWORK_MANAGEMENT | Y | Y | | Y | |

OME

Table 5. Roles and associated privileges for OME

| Privilege | Roles | | |
|-----------------------------|---------------|----------------|--------|
| | ADMINISTRATOR | DEVICE_MANAGER | VIEWER |
| APPLIANCE_SETUP | Y | | |
| BASELINE_MANAGEMENT | Y | | |
| DEVICE_CONFIGURATION | Y | Y | |
| DEVICE_UPDATE | Y | Y | |
| DISCOVERY_MANAGEMENT | Y | | |
| GROUP_MANAGEMENT | Y | Y | |
| INVENTORY_MANAGEMENT | Y | | |
| JOB_MANAGEMENT | Y | Y | |
| MONITORING_SETUP | Y | Y | |
| OPERATING_SYSTEM_DEPLOYMENT | Y | Y | |
| POWER_CONTROL | Y | Y | |
| POWER_MANAGEMENT | Y | Y | |
| REPORT_MANAGEMENT | Y | Y | |
| REPORT_RUN | Y | Y | Y |
| SECURITY_SETUP | Y | | |
| TEMPLATE_MANAGEMENT | Y | Y | |
| TRAP_MANAGEMENT | Y | | |
| VIEW | Y | Y | Y |

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=CreateDate 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 | <code>/api/DeviceService/Devices?\$filter=SystemId eq 123</code> |
| Filter devices by model | <code>/api/DeviceService/Devices?\$filter=Model eq 'PowerEdge MX740c'</code> |
| Filter devices by device type | <code>/api/DeviceService/Devices?\$filter=Type eq 3000 or Type eq 5000</code>  NOTE: For enumeration of Type, see <code>/api/DeviceService/DeviceType</code> . |

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 <code>SessionService/Sessions</code> POST operation to create a session. | x-auth-token: d6399a19-38c8-467b-a1ec-75ffa03efb7c |

Table 7. Examples of request headers(continued)

| Request Header | Description | Example |
|-----------------|--|---------------------|
| 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 | <ul style="list-style-type: none"> • 200 – OK with message body • 204 – OK with no message body • 206 – OK with partial message body |
| POST | <ul style="list-style-type: none"> • 201 – Resource created (operation complete) • 202 – Resource accepted (operation pending) |
| PUT | <ul style="list-style-type: none"> • 202 – Accepted (operation pending) • 204 – Success (operation complete) |
| DELETE | <ul style="list-style-type: none"> • 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 | Content-Type: application/json; odata.metadata=minimal |

Table 9. Examples of response headers(continued)

| Response Header | Description | Example |
|-----------------|---|--|
| | (using the Accept header), the server chooses the appropriate supported format. | |
| Keep-alive | <ul style="list-style-type: none"> • <i>Timeout</i> header parameter indicates the time that a connection is allowed to remain idle before it is closed. • <i>Max</i> 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: <ul style="list-style-type: none"> • 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 |

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,
    "EnabledDHCP": true,
    "CurrentIPAddress": "192.168.1.5",
    "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":
  {
    "DnsFQDNName": "dell.example.com",
    "DnsDomainName": "example.com"
  }
}
```

Table 10. Attributes

| Attribute name | Description |
|--------------------------------------|--|
| Ipv4Setting.Enable | IPv4 network settings status. |
| Ipv4Setting.EnabledDHCP | 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. |

Table 10. Attributes(continued)

| Attribute name | Description |
|---------------------------------------|--|
| Ipv4Setting.CurrentPreferredDNSServer | Current IPv4 DNS preferred server. |
| Ipv4Setting.CurrentAlternateDNSServer | Current IPv4 DNS alternate server. |
| Ipv6Setting.Enable | IPv6 network settings status. |
| Ipv6Setting.EnableAutoConfiguration | IPv6 via DHCP server status. |
| Ipv6Setting.CurrentIPAddress | Current IPv6 address. |
| Ipv6Setting.CurrentGateway | Current IPv6 prefix length. |
| Ipv6Setting.CurrentLinkLocalAddress | Current IPv6 gateway address. |
| Ipv6Setting.UseDHCPForDNSServerNames | Obtain IPv6 DNS servers by using DHCP server options status. |
| Ipv6Setting.CurrentPreferredDNSServer | Current IPv6 DNS preferred server. |
| Ipv6Setting.CurrentAlternateDNSServer | Current IPv6 DNS alternate server. |
| DnsSetting.DnsFQDNName | 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,
    "EnabledDHCP": 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,
    "EnabledDHCP": 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": "",
    "FqndomainName": ""
  },
  "Delay": 0
}

```

Table 11. Attributes

| Attribute name | Description |
|--|--|
| EnableNIC | Network interface controller for public networking access. |
| Ipv4Configuration.Enable | Enable IPv4 network settings. |
| Ipv4Configuration.EnabledDHCP | 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). |

Table 11. Attributes(continued)

| Attribute name | Description |
|--|--|
| Ipv6Configuration.StaticIPAddress | Set Static IPv6 address. |
| Ipv6Configuration.StaticPrefixLength | Set Static IPv6 prefix length. |
| Ipv6Configuration.StaticGateway | Set Static IPv6 gateway address. |
| Ipv6Configuration.UseDHCPForDNSServerNames | Obtain IPv6 DNS servers via DHCP server options. |
| Ipv6Configuration.StaticPreferredDNSServer | Set Static IPv6 DNS preferred server. |
| Ipv6Configuration.StaticAlternateDNSServer | Set Static IPv6 DNS alternate server. |
| ManagementVLAN.EnableVLAN | Enable Tagged VLAN. |
| ManagementVLAN.Id | Set VLAN ID. |
| DnsConfiguration.RegisterWithDNS | Register/Unregister with DNS server. |
| DnsConfiguration.DnsName | Set DNS name. |
| DnsConfiguration.UseDHCPForDNSDomainName | Obtain DNS domain name via DHCP server. |
| DnsConfiguration.DnsDomainName | Set Static DNS domain name. |
| Delay | The time, in seconds, after which settings are applied asynchronously. |

/api/ApplicationService/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
}
```

/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 12. 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 13. 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 14. 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 15. 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 <i>AccountLockoutResetAfter</i> 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 <i>AccountLockoutDuration</i> . |
| EnableIpRangeAddress | Enable or disable IP range address. |
| IpRangeAddress | IP range 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 16. 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. |

Table 16. Attributes(continued)

| Attribute | Description |
|---------------------------------|--|
| AccountLockoutThreshold | The number of failed login attempts before a user account is locked for a specified duration. 0 indicates that the account is never locked. |
| AccountLockoutDuration | The time in seconds an account is locked for after the account lockout threshold is met. This value must equal to or higher than the AccountLockoutResetAfter value. 0 indicates that the account is never locked. |
| AccountLockoutCounterResetAfter | The interval of time in seconds since the last failed login attempt at which point the lockout threshold counter for the account is reset to zero. Must be less than or equal to AccountLockoutDuration. |
| 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",
      "UserId": 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 17. Attributes

| Attribute | Description |
|--------------------|--|
| Id | Uniquely identifies the resource within the collection. |
| UserTypeId | Type of user. |
| DirectoryServiceId | Directory service ID. |
| Description | Description for the user. |
| Name | Name of the user. This name is the same as user name. |
| Password | Password for the user. When retrieving the details, <i>Password</i> 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:
{
  "UserId": 1,
  "DirectoryServiceId": 0,
  "Description": "user1 description",
  "Name": "user1",
  "Password": "Dell123$",
  "UserName": "user1",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}

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

Table 18. Attributes

| Attribute | Description |
|--------------------|--|
| Id | Uniquely identifies the resource within the collection. |
| UserTypeId | Type of user. |
| DirectoryServiceId | Directory service ID. |
| Description | Description for the user. |
| Name | Name of the user. This name is the same as user name. |
| Password | Password for the user. When retrieving the details, <i>Password</i> 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 19. Attributes

| Attribute | Description |
|--------------------|--|
| Id | Uniquely identifies the resource within the collection. |
| UserTypeId | Type of user. |
| DirectoryServiceId | Directory service ID. |
| Description | Description for the user. |
| Name | Name of the user. This name is the same as user name. |
| Password | Password for the user. When retrieving the details, <i>Password</i> 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 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. |
| Name | Name of the user. This name is the same as user name. |
| Password | Password for the user. When retrieving the details, <i>Password</i> 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 21. 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 22. 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 23. 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 24. 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 25. 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 26. Attributes

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

/api/AccountService/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 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/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 28. 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 29. Attributes

| Attribute | Description |
|-----------|-----------------------------------|
| Id | Identifier of the Directory Type. |

Table 29. Attributes(continued)

| Attribute | Description |
|---------------|-----------------|
| 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": [
        "ausdcl2amer29.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 30. 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 31. 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":
  [
    "ausdc12dell11.dell.com",
    "rdudc12dell101.dell.com",
    "pendc12dell101.dell.com",
    "ausdc12dell102.dell.com",
    "ausdc12dell101.dell.com",
    "limdc12dell101.dell.com",
    "ausdc12dell105.dell.com",
    "ausdc12dell106.dell.com",
    "rdudc12dell102.dell.com",
    "ausdc12dell103.dell.com"
  ],
  "DnsServer":
  [
    "dell.com"
  ]
}
```

```

    ],
    "GroupDomain": "dell.com",
    "UserName": null,
    "Password": "",
    "ServerPort": 3269,
    "NetworkTimeout": 120,
    "SearchTimeout": 120,
    "CertificateValidation": false,
    "CertificateFile": ""
  }

```

Table 32. Attributes

| Attribute name | Description |
|-----------------------|---|
| Name | Name of the directory service. |
| Id | ID of the AD or LDAP server. |
| ServerType | Server type of the directory—DNS or Manual. |
| ServerName | Server name of the directory service. |
| 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": "sequest",
  "Id":1,
  "ServerType": "DNS",
  "ServerName": ["10.35.195.1"],
  "UserName": "Admin",
  "Password": "XXXXXX",
  "ServerPort": 0,
  "BaseDistinguishedName" : "dc=dell,dc=com",
  "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
  "NetworkTimeOut": 300,
  "SearchTimeOut": 300,
  "CertificateValidation": false,
  "CertificateFile": ""
}

Output:
{
  "Id": 2914,
  "Name": "sequest",
  "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 33. Attributes

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

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

/api/AccountService/ExternalAccountProvider/Actions/ExternalAccountProvider.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": "sequest",
  "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": "sequest",
    "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":
  [
    "ausdc12dell11.dell.com",
    "rdudc12dell101.dell.com",
    "pendc12dell101.dell.com",
    "ausdc12dell102.dell.com",
    "ausdc12dell101.dell.com",
    "limdc12dell101.dell.com",
    "ausdc12dell105.dell.com",
    "ausdc12dell106.dell.com",
    "rdudc12dell102.dell.com",
    "ausdc12dell103.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 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. |
| 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 36. 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 37. 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:
[
  {
    "UserId": 2,
    "DirectoryServiceId": 0,
    "Description": "admin",
    "Name": "MSMMegatronTeam",
    "Password": "",
    "UserName": "MSMMegatronTeam",
    "RoleId": "10",
    "Locked": false,
    "Enabled": true,
    "ObjectGuid": "d22005b6-0ce5-40ed-88d0-7f7759b52f25"
  },
  {
    "UserId": 2,
    "DirectoryServiceId": 0,
    "Description": "admin",
    "Name": "MSMDevelopmentTeam",
    "Password": "",
    "UserName": "MSMDevelopmentTeam",
    "RoleId": "10",
    "Locked": false,
    "Enabled": true,
    "ObjectGuid": "21dd5985-602f-48a2-bde5-dde50eefb422"
  }
]

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

Table 38. Attributes

| Attribute name | Description |
|----------------|--|
| Id | Unique identifier of the resource within the collection. |

Table 38. Attributes(continued)

| Attribute name | Description |
|--------------------|--|
| UserTypeid | Type of user. |
| DirectoryServiceid | 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 39. Attributes

| Attribute name | Description |
|-----------------|---|
| Value.ValidFrom | Date from which the certificate is valid. |

Table 39. Attributes(continued)

| Attribute name | Description |
|----------------------------------|---|
| 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. |
| 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]",
  "DepartmentName": "Remote Access Group",
  "BusinessName": "Dell Inc.",
  "Locality": "Round Rock",
  "State": "Texas",
  "Country": "US",
  "Email": "",
}

Output:
-----BEGIN CERTIFICATE REQUEST-----
MIIB/jCCAWcCAQAwgZgx CzAJBgNVBAYTA1VMTQswCQYDVQQIEwJUWDEtMBEgA1UE
BxMKUm91bmQgUm9jazENMAsGA1UEChMERGVsbDEWMBQGA1UECxmNUHJvZHVjdCBH
cm91cDEVMBMGA1UEAxMMMTcyLjE3LjEuMjA0MSkwJwYJKoZIhvcNAQkBFhp rYXRo
bGV1b1l9oYXR0YXdh eUBkZWxsLmNvbTcBbnZANBgkqhkiG9w0BAQEFAAOBjQAwgYkC

```

```
gYEAwTiSPpKcMV+rJM6lHhsAuW6LvQ4MMQmAqPnE75sJn9fv2sXQPpO1Tzw1D5hu
DdcCvVeU9nzAZ3oR0Xc2mp28zw/4oBbsje01dLAC0PxDFzQswLFhri9kCHrnGc4Q
ZZjn06u+QFf9RRDyaXkX2bNpeAXGZBpG8KbSrK9chyLayLMCAwEAAaAlMCMGCSqG
SIb3DQEJJBzEWExRBIGNoYWxsZW5nZSBwYXNzd29yZDANBgkqhkiG9w0BAQUFAAOB
gQCxcBNjn5PYe5+NpM+LjEF+XB34XCZvh4QrCsECyK6B2jRXLp39SxABFlxxd3w
D+tdrxy6/8pDdSLM18FqcV9HLrgJqFn5ue+pA3BLjtkZaM9cxVWHtFZst64WF4v
hioJNM68xeFObTWS991KufKF8dWkKbQessaABq3yQMikw==
-----END CERTIFICATE REQUEST-----
```

Table 40. Attributes

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

/api/ApplicationService/Actions/ ApplicationService.UploadCertificate

This URI allows you to upload certificates.

POST method for UploadCertificate

This method uploads a certificate.

| | |
|----------------------------|------------------------|
| Description | Uploads a certificate. |
| Privilege | APPLIANCE_SETUP |
| HTTP response codes | 200 |
| Example | |

```
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 41. Attributes

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

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 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. |

[/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 43. 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 44. 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 45. Attributes

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

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 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. |
| 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 47. Attributes

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

Alert logs

/api/AlertService/Alerts

This URI represents the alerts.

Table 48. 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": "10.36.0.15",
    "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.",
    "EemMessage": "The system board battery is low.",
    "RecommendedAction": "NA",
    "AlertMessageId": "BAT0000",
    "AlertVarBindDetails": "",
    "AlertMessageType": "REDFISH"
  }
]
```

Table 49. Attributes

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

Table 49. Attributes(continued)

| Attribute name | Description |
|---------------------|--|
| Message | Message describing the issue. |
| EemiMessage | Event and Error Message describing the issue, if applicable. |
| RecommendedAction | Recommended action for the alert. |
| AlertMessageId | Event and Alert Message ID associated with the issue. |
| AlertVarBindDetails | List of variable bindings of the alert, if applicable. |
| AlertMessageType | Type of message—Internal, SNMP, Redfish, and so on. |

/api/AlertService/Alerts(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": "10.36.0.15",
  "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 50. Attributes

| Attribute name | Description |
|----------------|------------------|
| Id | Event record ID. |

Table 50. Attributes(continued)

| Attribute name | Description |
|-----------------------|--|
| 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. |
| EemMessage | 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 51. Attributes

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

/api/AlertService/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 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/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 53. 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 54. 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 statuses that are applicable to an alert.

| | |
|----------------------------|--|
| Description | Returns all the possible alert statuses. |
| 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 55. Attributes

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

/api/AlertService/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 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/AlertCatalogs

This URI represents the catalogs applicable to an event.

Table 57. 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 58. Attributes

| Attribute name | Description |
|----------------|---|
| Id | Catalog ID. |
| CatalogName | Name of the catalog. |
| InternalName | Internal name associated with the catalog. |
| ReleaseVersion | Catalog version. |
| IsBuiltIn | Indicates if the catalog is 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 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 is 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 60. Attributes

| Attribute | Description |
|------------|---|
| AlertIds | List of alert IDs. This value is an empty list when <i>AllAlerts</i> is True. |
| AllAlerts | True or False. Determines if action should be taken for all alerts. |
| Filters | Optional filters to specify when <i>AllAlerts</i> 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. |

Table 60. Attributes(continued)

| Attribute | Description |
|-------------|---|
| 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 61. Attributes

| Attribute | Description |
|------------|---|
| AlertIds | List of alert IDs. This value is an empty list when <i>AllAlerts</i> is True. |
| AllAlerts | True or False. Determines if action should be taken for all alerts. |
| Filters | Optional filters to specify when <i>AllAlerts</i> 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. |

Table 61. Attributes(continued)

| Attribute | Description |
|-------------|--|
| 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 62. Attributes

| Attribute | Description |
|------------|---|
| AlertIds | List of alert IDs. This value is an empty list when <i>AllAlerts</i> is True. |
| AllAlerts | True or False. Determines if action should be taken for all alerts. |
| Filters | Optional filters to specify when <i>AllAlerts</i> is True. |
| DeviceIds | List of IDs of devices. |
| DeviceType | Device type ID. |
| Severity | ID of severity. |
| StatusType | ID of status type. |

Table 62. Attributes(continued)

| Attribute | Description |
|-------------|--|
| 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 63. 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 64. Attributes

| Attribute name | Description |
|----------------|--|
| Id | Event record ID. |
| Name | Name associated with the policy. |
| Description | Description associated with the policy. |
| Enabled | Indicates if the policy is enabled or disabled. |
| DefaultPolicy | Indicates if the policy is the default policy or pre-seeded. |
| State | State associated with the policy. |
| Visible | Indicate if the policy is visible or hidden. |
| PolicyData | |
| CatalogName | Name of the catalogs associated with the policy. This field is checked during policy evaluation. |

Table 64. Attributes(continued)

| Attribute name | Description |
|------------------|--|
| 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:
$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": "MCSIAApplication@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 65. Attributes

| Attribute name | Description |
|----------------|---|
| Id | Event record ID. |
| Name | Name associated with the policy. |
| Description | Description associated with the policy. |
| Enabled | Indicates if the policy is enabled or disabled. |
| DefaultPolicy | Indicates if the policy is the default policy or pre-seeded. |
| State | State associated with the policy. |
| Visible | Indicate if the policy is visible or hidden. |
| PolicyData | |
| CatalogName | Name of the catalogs associated with the policy. 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 | |

Table 65. Attributes(continued)

| Attribute name | Description |
|------------------|--|
| 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": "MCSIAApplication@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
}
```

/api/AlertService/AlertPolicies(Arg1)/PolicyCriteria

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

Table 66. Filters

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

GET method for PolicyCriteria

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

| | |
|----------------------------|---|
| Description | Returns the criteria used for matching the policy with incoming events. |
| Privilege | VIEW |
| HTTP response codes | 200 |
| Example | |

```
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 67. 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. |

Table 67. Attributes(continued)

| Attribute name | Description |
|--------------------|---|
| Value | Expression that is used during policy evaluation with events. |
| Type | ID of the criteria type. |
| TypeName | Name of the criteria type. |
| ComparisonType | ID of comparison type. |
| ComparisonTypeName | Name of comparison type. |

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

This URI represents a specific criteria for a specific policy.

GET method for PolicyCriteria(Arg2)

This method returns a specific criteria for a specific policy.

Description Returns a specific criteria for a specific policy

Privilege VIEW

HTTP response codes 200

Example

```

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 68. Attributes

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

/api/AlertService/AlertPolicies(Arg1)/PolicyActions

This URI represents the actions associated with a policy.

Table 69. Filters

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

GET method for PolicyActions

This method returns the actions that a policy can trigger.

Description Returns the actions that a policy can trigger.

Privilege VIEW

HTTP response codes 200

Example

```
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 70. Attributes

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

Table 70. Attributes(continued)

| Attribute name | Description |
|------------------|--|
| 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 71. Attributes

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

Table 71. Attributes(continued)

| Attribute name | Description |
|------------------|--|
| 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 72. Attributes

| Attribute name | Description |
|-----------------|--|
| Id | ID of the action template. |
| 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 73. Attributes

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

/api/AlertService/Actions/ AlertService.EnableAlertPolicies

POST method for AlertService.EnableAlertPolicies

This method enables the selected alert policies.

Description Enables the selected alert policies.

Privilege MONITORING_SETUP

HTTP response codes 201

Example

```
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 74. Filters

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

GET method for AlertMessageDefinitions

This method returns the definitions for all alert messages.

Description Returns the definitions for all alert messages.

Privilege VIEW

HTTP response codes 200

Example

```
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 unknown event was received from a device."
    }
  ]
}
```

Table 75. Attributes

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

[/api/AlertService/AlertMessageDefinitions\(Id\)](#)

This URI represents a specific message definition.

GET method for AlertMessageDefinitions(Id)

This method returns the details of a specific message definition.

Description Returns the definitions of a specific message.

Privilege VIEW

HTTP response codes 200

Example

```
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 76. 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"  
  }  
]  
}
```

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://10.255.2.128:2607"  
}  
  
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": "1183094576064516206207594277304256693"  
}
```

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 77. 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 78. 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 79. 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,
"LastUpdateTime": "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,
"LastUpdateTime": "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,
"LastUpdateTime": "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 80. Attributes

| Attribute | Description |
|----------------|--|
| Name | Template name |
| Description | Definition for the template |
| TypeId | Template type. For more information, see /TemplateService/TemplateTypes. |
| ViewTypeId | Template View type. For more information, see /TemplateService/TemplateViewTypes. |
| SourceDeviceId | The identifier of the device—the reference device—from which a template is to be created. |
| Fqdds | The FQDDs to copy from the reference device, as a comma-separated string. Possible values are: <ul style="list-style-type: none"> · iDRAC · System · BIOS · NIC · LifeCycleController · RAID · EventFilters · All To get the entire device configuration, use <i>All</i> . |

/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 81. Attributes

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

PUT method for Templates(Id)

This method updates a template.

Description Updates a specific template.

Privilege DEVICE_CONFIGURATION

HTTP response codes 200

Example

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

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

Example to update a compliance template attributes

```

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

Output:
ID of the template

```

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(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 82. 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 83. Attributes

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

/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 ",
    "SubAttributeGroups":
    [
        {
            "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/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,
  "LastUpdateTime": "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":
            }
          ]
        },
        {
          "GroupNameId": 1,
          "DisplayName": "Partition",
          "SubAttributeGroups": [],
          "Attributes":
        }
      ]
    }
  ]
}
```


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
```

/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": "1.2.3.4",
      "ShareName": "1.2.3.4",
      "User": "bootToIsoUsername",
      "Password": "bootToIsoPassword"
    }
  },
  "Attributes": [],
  "Options":
  {
    "ShutdownType": 0,
    "TimeToWaitBeforeShutdown": 300,
    "EndHostPowerState": 1
  }
}
```

```

    },
    "Schedule":
    {
      "RunNow": true,
      "RunLater": false
    }
  }
}

```

Output:
ID of created task

/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]
  }
]
}

```

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": "EBAQEBA"
        }
      },
      "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:

```

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",
    "InternalRefNWUUI": 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",
    "InternalRefNWUUI": 0
  }
]
}

```

Table 84. 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 <i>VlanMaximum</i> and <i>VlanMinimum</i> . |
| 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 <i>VlanMaximum</i> and <i>VlanMinimum</i> . |
| 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",
  "InternalRefNWUId": 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",
  "InternalRefNWUId": 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",
  "UpdateTime": "1970-01-01 02:02:15.797",
  "InternalRefNWUId": 0
}
```

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 85. 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 86. 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:
```

/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": "10.35.0.201",
            "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://10.35.0.201",
                    "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": "10.35.0.201",
  "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://10.35.0.201",
  "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)/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_ALLOWED",
            "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": "10.35.0.201",
          "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://10.35.0.201:443",
              "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)/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 ('FIPSPMode')

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": "10.35.176.185",
    "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,
  "EnabledDHCP": true,
  "StaticIPAddress": "10.35.176.185",
  "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,
    "EnabledDHCP": true,
    "StaticIPAddress": "10.35.176.185",
    "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,
    "EnabledDHCP": 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)/Power

This URI represents the power configuration for a specific device.

GET method for Power

This method returns the power-configuration details for a specific device.

| | |
|----------------------------|--|
| Description | Returns the power-configuration details for 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)/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='M21.3-98.5c0-0.8-0.6-1.4-1.4-1.4h-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 URL 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": "10.35.0.111"
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(2)",
      "Id": 2,
      "Identifier": null,
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 2,
          "NetworkAddress": "10.35.0.92"
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(3)",
      "Id": 3,
      "Identifier": "R930PR0",
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 3,
          "NetworkAddress": "10.35.0.45"
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(4)",
      "Id": 4,
      "Identifier": "IPRange2",
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 4,
          "NetworkAddress": "10.35.0.101-10.35.0.255"
        }
      ]
    }
  ]
}
```

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": "10.37.0.101-10.37.0.255"
    }
  ]
}
```

/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": "10.37.0.101-10.37.0.255"  
    }  
]  
}
```

/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": "10.37.0.*"  
    },  
    {  
      "Id": 0,  
      "NetworkAddress": "10.37.0.0-10.35.0.100"  
    },  
    {  
      "Id": 0,  
      "NetworkAddress": "10.367.0.1"  
    }  
  ]  
}
```

```
]
}
```

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
```

/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 87. 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, <i>ParentId</i> is 0. |
| CreationTime | Date and time when the group was created. |
| UpdateTime | 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. <ul style="list-style-type: none"> · 1000 — Internal · 2000 — Predefined · 3000 — User defined · 4000 — Discovery defined · 5000 — MCM group |
| MembershipTypeId | Group membership type. <ul style="list-style-type: none"> · 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 88. 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. |

Table 88. Filters(continued)

| Attribute name | Description |
|-----------------------|--|
| Type | Filter by group type. |
| MembershipType | Filter by group membership type. |
| GlobalStatus | Filter by group global status. |
| DefinitionId | Filter by group definition ID. |
| DefinitionDescription | Filter by group definition description. |
| Visible | Filter by group visibility. |
| CreatedBy | Filter by the entity that created the group. |
| UpdatedBy | Filter by the entity that updated the group. |
| CreationTimeBegin | Filter by the start-time when the group was created. |
| CreationTimeEnd | Filter by the end-time when the group was created. |
| UpdateTimeBegin | Filter by the start-time when the group was updated. |
| UpdateTimeEnd | 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",
  "UpdateTime": "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 89. 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, <i>ParentId</i> is 0. |
| CreationTime | Date and time when the group was created. |
| UpdateTime | 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. <ul style="list-style-type: none"> · 1000 — Internal · 2000 — Predefined · 3000 — User defined · 4000 — Discovery defined · 5000 — MCM group |
| MembershipTypeId | Group membership type. <ul style="list-style-type: none"> · 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. |

Table 89. Attributes(continued)

| Attribute name | Description |
|---------------------|---|
| 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 90. 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:fece:15ba",
        "MacAddress": "",
        "ManagementURL": "https://10.36.0.30",
        "ManagementType": 2,
        "InstrumentationName": "WIN-02GODDHDJTC",
        "DnsName": "idrac-SVCTAG",
        "Status": 1000
    },
    {
        "ManagementId": 5002,
        "NetworkAddress": "10.36.0.30",
        "MacAddress": "f4:8e:38:cf:15:ba",
        "ManagementURL": "https://10.36.0.30",
        "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 91. 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 92. Attributes

| Attribute name | Description |
|----------------|------------------|
| Id | ID of the group. |

/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 93. 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, <i>ParentId</i> 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. <ul style="list-style-type: none"> · 1000 — Internal · 2000 — Predefined · 3000 — User defined · 4000 — Discovery defined · 5000 — MCM group |
| MembershipTypeId | Group membership type. <ul style="list-style-type: none"> · 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 94. 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 associated 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 95. 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 96. 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 97. 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 98. 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.

```

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": "10.210.136.38",
      "MessageArgs": "root || 10.210.136.38",
      "MessageID": "CUSR0001",
      "CreateDate": "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": "10.210.136.38",
      "MessageArgs": "root || 10.210.136.38",
      "MessageID": "CUSR0001",
      "CreateDate": "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": "10.210.136.38",
      "MessageArgs": "root || 10.210.136.38",
      "MessageID": "CUSR0001",
      "CreatedDate": "2017-04-26 16:13:57.880"
    }
  ]
}
```

Table 99. 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 100. 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 101. 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. |

Table 101. Attributes(continued)

| Attribute | Description |
|---------------|--|
| 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. <ul style="list-style-type: none"> · 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 102. Attributes

| Attribute | Description |
|-----------|------------------|
| Id | ID of the job. |
| JobName | Name of the job. |

Table 102. Attributes(continued)

| Attribute | Description |
|----------------|--|
| JobDescription | Description of the job. |
| JobType | Type of the job. |
| NextRun | The next time when the job will be executed. |
| LastRun | The last time when the job was executed. |
| StartTime | Start time of the job. |
| EndTime | End time of the job. |
| Schedule | Job schedule (cron string). |
| State | Indicates whether the job is enabled or disabled. |
| CreatedBy | User who created the job. |
| UpdatedBy | User who updated the job. |
| Visible | Indicates whether the job is visible. |
| Editable | Indicates whether the job can be edited. |
| BuiltIn | Indicates if the job is internal. |
| Targets | Job targets. |
| Params | Parameters for the job. |
| LastRunStatus | Indicates the status of the last instance of the job execution. |
| JobStatus | Job completion status. <ul style="list-style-type: none"> · 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 103. Attributes

| Attribute | Description |
|-----------|------------------------------|
| Id | ID of the job to be updated. |

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 104. 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 105. 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 106. 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 107. 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 108. Attributes

| Attribute | Description |
|-----------|---------------------|
| Id | ID of the job type. |

Table 108. Attributes(continued)

| 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 109. Attributes

| Attribute | Description |
|-----------|----------------------------------|
| Id | Job execution history detail ID. |
| JobName | Name of the job. |

Table 109. Attributes(continued)

| Attribute | Description |
|-----------------|--|
| Progress | Percentage of completion. |
| StartTime | The start time of job execution. |
| EndTime | The end time of job execution. |
| Schedule | Job schedule (cron string). |
| State | Indicates whether the job is enabled or disabled. |
| LastUpdatedTime | Timestamp when the job-execution history was last updated. |
| ExecutedBy | Details of who executed the job. |
| JobId | Job associated with the execution history. |
| JobStatus | Job execution history detail completion status. |
| Links | Link to access details of all execution histories. |

/api/JobService/Jobs(Id)/ExecutionHistories(Id)

This URI represents the execution history details for a job.

GET method for ExecutionHistories(Id)

This method returns the execution history details for a specific execution history.

Description Returns details of a specific execution history.

Privilege VIEW

HTTP response codes 200

Example

```

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 110. 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:

```

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: <ul style="list-style-type: none">· <code>RESET_CONFIG</code>—Clear the appliance and restore it to the default initial state.· <code>RESET_ALL</code>—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
```

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
}
```

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 "
    }
  ]
}

```

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 111. 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 | <p>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.</p> <ul style="list-style-type: none"> · 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 112. Attributes

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

/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 113. 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": "10.210.136.38",
      "StartTimeStamp": "2017-04-17 20:07:12.357",
      "LastAccessedTimeStamp": "2017-04-17 20:07:45.482"
    }
  ]
}
```

Table 114. 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": "10.210.136.38",
  "StartTimeStamp": "2017-04-17 20:07:12.357",
  "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}
```

Table 115. 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": "10.210.136.38",
  "StartTimeStamp": "2017-04-17 20:07:12.357",
  "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}

```

Table 116. 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

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.TI8DfX49XkdVcNbHC4G2X921AhCAstS"
    },
    {
      "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 117. 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$0MAfJwXIdGRvp2wtQQMS60zcdOH8ad9kiFrX8wy8Ltxb2UFaVP9GW"
    },
    {
      "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.rr6SAkYcovyTEd49hxL7N83ZeqqkK"
    },
    {
      "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
$10$dTg7igLelneXnZthG9vzP.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.TI8DfX49XkdVcNbHC4G2X921AhCAstS"
  },
  {
    "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"
    }
  ],
  "Value": "MANUAL"
}

```


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

```
Input:
{
  "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 119. Attributes

| Attribute | Description |
|---------------|---|
| GroupId | Unique group ID across different domains. |
| DeviceGroupId | Group configuration record ID. |

Table 119. Attributes(continued)

| Attribute | Description |
|-------------------|--|
| GroupName | Name of the group. |
| GroupDescription | Description of the group. |
| JoinApproval | Join approval <ul style="list-style-type: none"> · 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 120. Attributes

| Attribute | Description |
|-----------|---|
| GroupId | Unique group ID across different domains. |

Table 120. Attributes(continued)

| Attribute | Description |
|-------------------|--|
| GroupName | Name of the group. |
| GroupDescription | Description of the group. |
| JoinApproval | Join approval <ul style="list-style-type: none"> 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. |
| DeviceGroupld | 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",
    "DomainRoleId": 3001,
    "DomainRoleTypeValue": "MEMBER",
    "Version": "1"
  },
  {
    "@odata.type": "#ManagementDomainService.DiscoveredDomain",
    "GroupId": "ed031327-889a-466f-931e-e603alda6255",
    "GroupName": "Example-GroupName",
    "GroupDescription": "Example-GroupDescription",
    "PublicAddress":
    [
      "10.36.0.227"
    ],
    "Name": "MX-01UTCMSM",
    "Description": "POWEREDGE MX7000",
    "Identifier": "01UTCMSM",
    "DomainTypeId": 4000,
    "DomainTypeValue": "MSM",
    "DomainRoleId": 3000,
    "DomainRoleTypeValue": "LEAD",
    "Version": "1"
  }
]
}

```

Table 121. 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. |
| DomainRoleId | ID of the domain role. Possible value: <ul style="list-style-type: none"> · 3000 — LEAD · 3001 — MEMBER · 3002 — STANDALONE |
| DomainRoleTypeValue | Type of domain role. Possible values: |

Table 121. Attributes(continued)

| Attribute | Description |
|-----------|--|
| | <ul style="list-style-type: none"> · 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 122. 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 123. 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",
      "DomainRoleId": 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",
      "DomainRoleId": 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 124. Attributes

| Attribute | Description |
|-----------|-------------|
| Id | Record ID. |

Table 124. Attributes(continued)

| Attribute | Description |
|---------------------|--|
| 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. |
| DomainRoleId | ID of the domain role. Possible value: <ul style="list-style-type: none"> · 3000 — LEAD · 3001 — MEMBER · 3002 — STANDALONE |
| DomainRoleTypeValue | Type of domain role. Possible values: <ul style="list-style-type: none"> · LEAD · MEMBER · STANDALONE |
| Version | Version of OME - Modular. |
| Local | <ul style="list-style-type: none"> · 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",
"DomainRoleId": 3000,
"DomainRoleTypeValue": "LEAD",
"Version": "VERSION",
"Port": "443",
"Local": true,
"GroupId": "4e361023-07cc-4b98-af3f-ba7c2ef2f5b9",
"GroupName": "DDD"
}

```

Table 125. 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. |
| DomainRoleId | ID of the domain role. Possible value: <ul style="list-style-type: none"> 3000 — LEAD 3001 — MEMBER 3002 — STANDALONE |
| DomainRoleTypeValue | Type of domain role. Possible values: <ul style="list-style-type: none"> LEAD MEMBER STANDALONE |
| Version | Version of OME - Modular. |
| Local | <ul style="list-style-type: none"> 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 126. Attributes

| Attribute | Description |
|-----------|---|
| Id | Record ID. |
| JobId | Job ID created for the operation. |
| State | Internal state of the request. Possible values: <ul style="list-style-type: none">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. |

Table 126. Attributes(continued)

| Attribute | Description |
|-------------|---|
| 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 127. Attributes

| Attribute | Description |
|-----------|---|
| Id | Record ID. |
| JobId | Job ID created for the operation. |
| State | Internal state of the request. Possible values: <ul style="list-style-type: none"> 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. |

Table 127. Attributes(continued)

| Attribute | Description |
|-------------|---|
| 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-ee3bfff4a8a29"
  },
  {
    "GroupId": "91e0b654-9de4-4a62-b5b1-c0da11d81b70"
  }
]
```

Output:

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

Table 128. 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 129. 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 130. 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 131. 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 132. 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 <i>STANDALONE</i> type. |
| Status | Status of the delete operation. Possible values: · SUCCESS · FAILED After the job is successful, use the JobId to poll the delete group status. If the job fails, retry the job. |

/api/ManagementDomainService/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 133. Attributes

| Attribute name | Description |
|----------------|--|
| Id | ID of the pending domain that requested to join the group. |
| Approval | Indicates if the request is approved or rejected. Possible values: <ul style="list-style-type: none"> · 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 134. 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.ValidationErrors)",
  "@odata.count": 5,
  "value":

```

```

[
  {
    "@odata.type": "#NetworkService.ValidationErrorMessage",
    "@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-SKY002P1234567890123456789012345",
    "ChassisServiceTag": "SKY002P1234567890123456789012345",
    "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.ValidationErrorMessage",
    "@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-SKY002P1234567890123456789012345",
    "ChassisServiceTag": "SKY002P1234567890123456789012345",
    "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.ValidationErrorMessage",
    "@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-SKY002P1234567890123456789012345",
  "ChassisServiceTag": "SKY002P1234567890123456789012345",
  "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.ValidationErrors",
  "@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.ValidationErrors",
  "@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 135. 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
```

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",
    "InternalRefNWUUIId": "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",
    "InternalRefNWUUIId": "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 servers 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": "ServerModell",
      "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-a456-42665440000')/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-SKY002P1234567890123456789012345", "ChassisServiceTag": "SKY002P1234567890123456789012345"
        }
      ]
    },
    {
      "Criterion":
      {
        "NodeName": "Switch-B", "ChassisName": "Chassis-Y", "Slot": "Slot-A2", "Type": "WeaverSwitch"
      },
      "ApplicableNodes":
      [
        {
          "ServiceTag": "DPM4XC2", "Slot": "IOM-B2", "ChassisName": "MX-SKY002P1234567890123456789012345", "ChassisServiceTag": "SKY002P1234567890123456789012345"
        }
      ]
    }
  ]
}
```

/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 136. 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%3ASKY002P1234567890123456789012345')",
      "Id": "Chassis:SKY002P1234567890123456789012345",
      "Type": "CHASSIS",
      "ParentNodeId": null,
      "Location": null,
      "NodeInformation":
      {
        "@odata.type": "#NetworkService.NodeInformation",
        "Status": 4000,
        "MCMRole": "MEMBER",
        "ServiceTag": "SKY002P1234567890123456789012345",
        "DeviceId": 25155,
        "Model": "POWEREDGE MX7000",
        "PowerState": 17,
        "Name": "MX-SKY002P1234567890123456789012345"
      },
      "ChildNodes@odata.navigationLink": "/api/NetworkService/MultiChassisDomain/Topology/Nodes('Chassis%3ASKY002P1234567890123456789012345')/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.ValidationErrors)",
  "@odata.count": 5,
  "value":
  [
    {
      "@odata.type": "#NetworkService.ValidationErrors",
      "@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.ValidationErrors",
      "@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-SKY002P1234567890123456789012345",
      "ChassisServiceTag": "SKY002P1234567890123456789012345",
    }
  ]
}
```

```

    "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.ValidationErrors",
    "@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.ValidationErrors",
    "@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"
    }
  ]
}
```

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 137. 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 138. 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 <i>startnow</i> . |
| 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. |
| SlotId=<slot_id> | Indicates the slot where the settings are applied if slot selected is True. Example: <pre>SlotSelected=true;SlotType=3000;IPV4Address=10.27.0.1;IPV6Address=ax0</pre> |

Table 138. Attributes(continued)

| Attribute name | Description |
|----------------|---|
| | <ul style="list-style-type: none">· SlotSelected=<i>true</i> or <i>false</i>. 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. |

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-asd8a5fcef sdf00a85')",
      "IdDevice": "7cb19d45-cae5-4eesdf6-sdfsaaasd02daf-asd8a5fcef sdf00a85",
      "IdSubscriberService": 1,
      "Status": 1,
      "UserName": "dan1",
      "Enabled": true,
      "AlertPolicyId": 414,
      "AlertPolicyName": "Default Profile Update Policy",
      "Token":
    }
  ]
}
```

```

"APA91bF944FuE2F5wIJQFEX6Uz1N29OvOXvASzGPtfCtOg3sZEPuFezjerOYuBaykTtXl0WwNacItLYKHvE5E
Ek9_BvS1TGFEBvIPr37DCGcbNUQBrE3Op8yGNwSZx8JYrI7f",
  "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":  
"APA91bEbGmqbAy7nMxDOI0rAS3RVCUGv3szsCi5uQUlyIApwezTGYbgZ_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": "10.210.137.100",
        "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
      }
    ]
  }
}

```

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 139. 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 140. 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",
  "UpdateTime": "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 142. 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/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]
}
```

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

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 143. 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. |

Table 143. Attributes(continued)

| Attribute | Description |
|--------------------------------------|--|
| 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": "10.35.0.0-10.35.0.255",
          "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": "10.35.0.0",
          "AddressType": 30,
          "Disabled": false,
          "Exclude": false
        }
      ],
      "ConnectionProfileId": 0,
      "ConnectionProfile": {"profileName": "", "profileDescription": "", "type": "DISCOVERY", "credentials": [{"id": 0, "type": "WSMAN", "authType": "Basic", "modified": false, "credentials": {"username": "root", "password": "calvin", "caCheck": false, "cnCheck": false, "port": 443, "retries": 3, "timeout": 60, "isHttp": false, "keepAlive": false}}]},
      "DeviceType": [
        1000
      ]
    }
  ],
  "Schedule": {
    "RunNow": 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": "10.0.0.0",
          "AddressType": 30,
          "Disabled": false,
          "Exclude": false
        }
      ],
      "ConnectionProfileId": 0,
      "ConnectionProfile": {"profileName": "", "profileDescription": "", "type": "DISCOVERY", "credentials": [{"id": 0, "type": "WSMAN", "authType": "Basic", "modified": false, "credentials": {"username": "root", "password": "calvin", "caCheck": false, "cnCheck": false, "port": 443, "retries": 3, "timeout": 60, "isHttp": false, "keepAlive": false}}]},
      "DeviceType": [
        1000
      ]
    }
  ],
}
```

```

    "Schedule":{
      "RunNow":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":"10.0.0.0",
          "AddressType":30,
          "Disabled":false,
          "Exclude":false
        }
      ],
      "ConnectionProfileId":0,
      "ConnectionProfile":{"profileName":"","profileDescription":"","type":"","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": "10.35.0.0-10.35.0.255",
        "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": "10.35.0.0-10.35.0.255",
                    "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
}

```

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 144. Attributes

| Attribute | Description |
|-----------|-------------------------------------|
| Top | Top records to return - default 100 |

Table 144. Attributes(continued)

| Attribute | Description |
|------------------|--|
| 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
}
```

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 145. Attributes

| Attribute | Description |
|-----------------|--|
| Id | Report identifier |
| Name | Name of the report |
| Description | Description of the report |
| IsBuiltin | Specifies whether it is a built-in report or a custom report |
| LastEditedBy | Time when report was last edited |
| LastRunDate | Time when the report was last run |
| LastRunBy | User who has run the report |
| LastRunDuration | Duration of the report run. |
| QueryDef | Information on the filters and context of the report |
| ColumnNames | Column names in the report |
| FilterGroupId | ID of the filter group in the report |

POST method for ReportDefs

This method creates a report.

- Description** Creates a report.
- Privilege** REPORT_MANAGEMENT
- HTTP response codes** 201
- Example**

```

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
    }]
  }
}

```

/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 can 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 | |

```

Output:
[
  {
    "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"
  }]
}
```

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 146. 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": "10.210.136.38",
      "StartTimeStamp": "2017-04-17 20:07:12.357",
      "LastAccessedTimeStamp": "2017-04-17 20:07:45.482"
    }
  ]
}
```

Table 147. 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. |

Table 147. Attributes(continued)

| 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": "10.210.136.38",
  "StartTimeStamp": "2017-04-17 20:07:12.357",
  "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}

```

Table 148. 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": "10.210.136.38",
  "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 149. 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. |

Table 149. Attributes(continued)

| 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 <i>AccountLockoutResetAfter</i> . 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 <i>AccountLockoutDuration</i> . |
| 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 150. 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 <i>AccountLockoutResetAfter</i> . 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 <i>AccountLockoutDuration</i> . |
| 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": {
          "UserId": 1,
          "DirectoryServiceId": 0,
          "IsBuiltin": true
        }
      },
      "Id": "1814",
      "Description": "root",
      "Name": "root",
      "Password": null,
      "UserName": "root",
      "RoleId": "10",
      "Locked": false,
      "Enabled": true,
      "Links": null
    }
  ]
}

```

Table 151. Attributes

| Attribute name | Description |
|--------------------|---|
| Id | ID of the account. |
| UserId | ID of the type of user. |
| DirectoryServiceId | ID of the directory service. |
| Description | Description of the user. |
| Name | Name of the user. This value is the same as user name. |
| Password | Password for the user. 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",
  "UserId": 1,
  "DirectoryServiceId": 0,
  "Name": "user2",
  "Password": null,
  "UserName": "user2",
  "Description": "user2 description",
  "Oem": null,
  "RoleId": "10",
  "Locked": false,
  "IsBuiltin": false,
  "Enabled": true
}

```

Table 152. Attributes

| Attribute name | Description |
|--------------------|---|
| Id | ID of the account. |
| UserId | ID of the type of user. |
| DirectoryServiceId | ID of the directory service. |
| Description | Description of the user. |
| Name | Name of the user. This value is the same as user name. |
| Password | Password for the user. This value is not displayed when retrieving the details. |
| UserName | User name of the account. |
| RoleId | Role for the account. |
| 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": {
    "UserId": 1,
    "DirectoryServiceId": 0,
    "IsBuiltin": true
  }
},
"Id": "1814",
>Description": "root",
>Name": "root",
>Password": null,
>UserName": "root",
>RoleId": "10",
>Locked": false,
>Enabled": true,
>Links": null
}

```

Table 153. Attributes

| Attribute name | Description |
|--------------------|---|
| Id | ID of the account. |
| UserTypeId | ID of the type of user. |
| DirectoryServiceId | ID of the directory service. |
| Description | Description of the user. |
| Name | Name of the user. This value is the same as user name. |
| Password | Password for the user. This value is not displayed when retrieving the details. |
| UserName | User name of the account. |
| RoleId | Role for the account. |
| 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,
  "DirectoryServiceId": 0,
  "Name": "user2",
  "Password": "Dell123$",
  "UserName": "user2",
  "Description": "user2 description",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}

```

```

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

```

Table 154. Attributes

| Attribute name | Description |
|--------------------|---|
| Id | ID of the account. |
| UserId | ID of the type of user. |
| DirectoryServiceId | ID of the directory service. |
| Description | Description of the user. |
| Name | Name of the user. This value is the same as user name. |
| Password | Password for the user. This value is not displayed when retrieving the details. |
| UserName | User name of the account. |
| RoleId | Role for the account. |
| 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 155. 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 156. 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')"
    }
  ]
}

```