OpenManage Enterprise and OpenManage Enterprise - Modular Edition

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

Table 1. Supported REST API versions

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

For more information, see [Plugin Manager](#), [Power Metrics](#), [Auto deploy](#), [IOA templates](#), [Alerts](#).
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
- Response codes
- Response headers

Base URI

REST API tree structure

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

- OEM Scheme
- Redfish Scheme

OEM scheme

https://[IP or DNS name]/api
Resource tree for OME - Modular OEM scheme

Figure 1. Resource tree for OME - Modular OEM scheme

Resource tree for OME OEM scheme

Figure 2. Resource tree for OME OEM scheme

Resource model

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

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

Resource tree for Redfish scheme

![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.

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

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

```
connection →Keep-Alive
content-length →268
content-type →application/json; odata.metadata=minimal
date →Tue, 05 Sep 2017 11:55:29 GMT
keep-alive →timeout=5, max=150
location →/api/SessionService/Sessions('e1817fe6-97e5-4ea0-88a9-d865c7302152')
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

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

OME - Modular

Table 3. Role descriptions OME - Modular

<table>
<thead>
<tr>
<th>Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIEW</td>
<td>View all data, report execution and management, and so on.</td>
</tr>
<tr>
<td>APPLIANCE_SETUP</td>
<td>Global appliance/OME - Modular settings that involve setup of the appliance.</td>
</tr>
<tr>
<td>SECURITY_SETUP</td>
<td>User management, security policies, proxy, and firewall setup.</td>
</tr>
<tr>
<td>MONITORING_SETUP</td>
<td>Alerting policies, forwarding, SupportAssist, and so on.</td>
</tr>
<tr>
<td>POWER_CONTROL</td>
<td>Reboot or power-cycle device.</td>
</tr>
<tr>
<td>Role</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>DEVICE_CONFIGURATION</td>
<td>Device configuration, application of templates, manage or migrate IO identity, storage mapping, and so on.</td>
</tr>
<tr>
<td>OPERATING_SYSTEM_DEPLOYMENT</td>
<td>Deploy operating system, map to LUN, and so on.</td>
</tr>
<tr>
<td>DEVICE_UPDATE</td>
<td>Device firmware update, application of update baselines, and so on.</td>
</tr>
<tr>
<td>TEMPLATE_MANAGEMENT</td>
<td>Create and manage templates.</td>
</tr>
<tr>
<td>BASELINE_MANAGEMENT</td>
<td>Create and manage baselines for firmware and configuration policies.</td>
</tr>
<tr>
<td>POWER_MANAGEMENT</td>
<td>Set power budgets.</td>
</tr>
<tr>
<td>JOB_MANAGEMENT</td>
<td>Run and manage jobs.</td>
</tr>
<tr>
<td>ALERT_MANAGEMENT</td>
<td>Manage alerts and perform alert-related actions.</td>
</tr>
<tr>
<td>FABRIC_MANAGEMENT</td>
<td>Manage fabrics and perform fabric-related actions.</td>
</tr>
<tr>
<td>NETWORK_MANAGEMENT</td>
<td>Manage networks and perform network-related actions.</td>
</tr>
</tbody>
</table>

Table 4. Roles and associated privileges for OME - Modular

<table>
<thead>
<tr>
<th>Privilege</th>
<th>CHASSIS_ADMINISTRATOR</th>
<th>COMPUTE_MANAGER</th>
<th>STORAGE_MANAGER</th>
<th>FABRIC_MANAGER</th>
<th>VIEWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIEW</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>APPLIANCE_SETUP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECURITY_SETUP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MONITORING_SETUP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POWER_CONTROL</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>DEVICE_CONFIGURATION</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>OPERATING_SYSTEM_DEPLOYMENT</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEVICE_UPDATE</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>TEMPLATE_MANAGEMENT</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BASELINE_MANAGEMENT</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>POWER_MANAGEMENT</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOB_MANAGEMENT</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>ALERT_MANAGEMENT</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FABRIC_MANAGEMENT</td>
<td>Y</td>
<td></td>
<td>Y</td>
<td></td>
<td>Y</td>
</tr>
<tr>
<td>NETWORK_MANAGEMENT</td>
<td>Y</td>
<td></td>
<td>Y</td>
<td></td>
<td>Y</td>
</tr>
</tbody>
</table>
### OME

#### Table 5. Roles and associated privileges for OME

<table>
<thead>
<tr>
<th>Privilege</th>
<th>ADMINISTRATOR</th>
<th>DEVICE_MANAGER</th>
<th>VIEWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLIANCE_SETUP</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>BASELINE_MANAGEMENT</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>DEVICE_CONFIGURATION</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>DEVICE_UPDATE</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>DISCOVERY_MANAGEMENT</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>INVENTORY_MANAGEMENT</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>JOB_MANAGEMENT</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>MONITORING_SETUP</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>OPERATING_SYSTEM_DEPLOYMENT</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>POWER_CONTROL</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>POWER_MANAGEMENT</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>REPORT_MANAGEMENT</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>REPORT_RUN</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>SECURITY_SETUP</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>TEMPLATE_MANAGEMENT</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>TRAP_MANAGEMENT</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>VIEW</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>ALERT_MANAGEMENT</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>AUTO_DEPLOY_MANAGEMENT</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>FABRIC_MANAGEMENT</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>NETWORK_MANAGEMENT</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

### 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

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

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

Security considerations

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

Data filtering

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

Examples:

Filter devices by system ID  
/api/DeviceService/Devices?$filter=SystemId eq 123

Filter devices by model  
/api/DeviceService/Devices?$filter=Model eq 'PowerEdge MX740c'
Filter devices by device type

/api/DeviceService/Devices?$filter=Type eq 3000 or Type eq 5000

**NOTE:** For enumeration of Type, see /api/DeviceService/DeviceType.

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

### Data sorting

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

```xml
<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.

```xml
<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 endpoint. The service provides the supported preference in the response header.

The following table lists a few examples of request headers:

<table>
<thead>
<tr>
<th>Request Header</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>x-auth-token</td>
<td>Authentication token taken from the return header of the SessionService/Sessions POST operation to create a session.</td>
<td>x-auth-token: d6399a19-38c8-467b-a1ec-75fca03efb7c</td>
</tr>
<tr>
<td>Accept-Language</td>
<td>Choice of language that the client can request—Optional.</td>
<td>Accept-Language: en</td>
</tr>
</tbody>
</table>
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**

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

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

Response headers

The following table lists a few examples of response headers:

**Table 9. Examples of response headers**

<table>
<thead>
<tr>
<th>Response Header</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection</td>
<td>Control options for the current connection and list of hop-by-hop request fields.</td>
<td>Connection: Keep-Alive</td>
</tr>
<tr>
<td>Content-Type</td>
<td>Specifies the format of the content that the server returns. If there are multiple formats that can be accepted in the client request (using the Accept header), the server chooses the appropriate supported format.</td>
<td>Content-Type: application/json; odata.metadata=minimal</td>
</tr>
<tr>
<td>Response Header</td>
<td>Description</td>
<td>Example</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-----------------------</td>
</tr>
</tbody>
</table>
| Keep-alive           | • Timeout header parameter indicates the time that a connection is allowed to remain idle before it is closed.  
                        • Max header parameter indicates the maximum number of requests that are permitted before the connection is closed. | Timeout=5; max=150   |
| Content-length       | The length of the request body in 8-bit bytes or octets.                    | Content-Length: 348   |
| date                 | The date and time that the message originated, in HTTP-date format as defined by RFC 7231 Date/Time Formats. | date: Thu, 02 Apr 2009 11:11:28 GMT |
| Odata-version        | The version of Odata that is used.                                          | Odata: 4.0            |
| Location             | Used in redirection or when a new resource is created.                      | Location: <BASE_URI>/SessionService/Sessions(3204bb9d-409d-4bd9-8a5f-d44005c81a2c) |
| Server               | A name for the server.                                                      | Server: Apache        |
| x-frame-options      | Clickjacking protection:                                                    | DENY                  |
|                      | • 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                          |                       |
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:

```json
{
    "@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"
    }
}
```
GET method for CurrentAddressConfiguration

This method returns the current network IP configuration.

Table 10. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ipv4Setting.Enable</td>
<td>IPV4 network settings status.</td>
</tr>
<tr>
<td>Ipv4Setting.EnableDHCP</td>
<td>Obtain IPv4 via DHCP server status.</td>
</tr>
<tr>
<td>Ipv4Setting.CurrentIPAddress</td>
<td>Current IPv4 address.</td>
</tr>
<tr>
<td>Ipv4Setting.CurrentSubMask</td>
<td>Current IPv4 subnet mask address.</td>
</tr>
<tr>
<td>Ipv4Setting.CurrentGateway</td>
<td>Current IPv4 gateway address.</td>
</tr>
<tr>
<td>Ipv4Setting.UseDHCPForDNSServerNames</td>
<td>Obtain IPv4 DNS servers by using DHCP server options status.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------------------------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>Ipv6Setting.Enable</td>
<td>IPv6 network settings status.</td>
</tr>
<tr>
<td>Ipv6Setting.UseDHCPForDNSServerNames</td>
<td>Obtain IPv6 DNS servers by using DHCP server options status.</td>
</tr>
<tr>
<td>DnsSetting.DnsFQDName</td>
<td>Current FQDN registered.</td>
</tr>
<tr>
<td>DnsSetting.DnsDomainName</td>
<td>Current Domain Name.</td>
</tr>
</tbody>
</table>

/api/ApplicationService/Network/AddressConfiguration

This URI represents the network configuration.

GET method for AddressConfiguration

This method returns the network configuration.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the current network configuration.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

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": {
```

Application settings
PUT method for AddressConfiguration

This method updates the network configuration.

**Description**
Updates the network configuration.

**Privilege**
APPLIANCE_SETUP

**HTTP response codes**
200

**Example**

**Input:**
```json
{
  "@odata.context": "/api/$metadata#Network.AddressConfiguration/$entity",
  "@odata.type": "+Network.AddressConfiguration",
  "@odata.id": "/api/ApplicationService/Network/AddressConfiguration",
  "EnableNIC": true,
  "Ipv4Configuration":
  {
    "Enable": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "Ipv6Configuration":
  {
    "Enable": false,
    "EnableAutoConfiguration": true,
    "StaticIPAddress": "",
    "StaticPrefixLength": 0,
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "ManagementVLAN":
  {
    "EnableVLAN": false,
    "Id": 1
  },
  "DnsConfiguration":
  {
    "RegisterWithDNS": false,
    "DnsName": "MX7000",
    "UseDHCPForDNSDomainName": false,
    "DnsDomainName": ""
  },
  "Delay": 0
}
```

**Output:**
```json
{
  "EnableNIC": true,
  "EnableVLAN": false,
  "Id": 1
}
```

Application settings 29
"Ipv4Configuration":
{
    "Enable": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
},
"Ipv6Configuration":
{
    "Enable": false,
    "EnableAutoConfiguration": true,
    "StaticIPAddress": "",
    "StaticPrefixLength": 0,
    "StaticGateway": "",
    "UseDHCPForDNSServerNames": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
},
"ManagementVLAN":
{
    "EnableVLAN": false,
    "Id": 1
},
"DnsConfiguration":
{
    "RegisterWithDNS": false,
    "DnsName": "MX7000",
    "UseDHCPForDNSDomainName": false,
    "DnsDomainName": "",
    "Ipv4CurrentPreferredDNSServer": "192.168.1.2",
    "Ipv4CurrentAlternateDNSServer": "192.168.1.3",
    "Ipv6CurrentPreferredDNSServer": "",
    "Ipv6CurrentAlternateDNSServer": "",
    "FqdnDomainName": ""
},
"Delay": 0

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EnableNIC</td>
<td>Network interface controller for public networking access.</td>
</tr>
<tr>
<td>Ipv4Configuration.Enable</td>
<td>Enable IPv4 network settings.</td>
</tr>
<tr>
<td>Ipv4Configuration.EnableDHCP</td>
<td>Obtain IPv4 via DHCP server.</td>
</tr>
<tr>
<td>Ipv4Configuration静StaticIPAddress</td>
<td>Set Static IPv4 address.</td>
</tr>
<tr>
<td>Ipv4Configuration静StaticSubnetMask</td>
<td>Set Static IPv4 subnet mask address.</td>
</tr>
<tr>
<td>Ipv4Configuration静StaticGateway</td>
<td>Set Static IPv4 gateway address.</td>
</tr>
<tr>
<td>Ipv4Configuration.UseDHCPForDNSServerNames</td>
<td>Obtain IPv4 DNS servers via DHCP server options.</td>
</tr>
<tr>
<td>Ipv4Configuration静StaticPreferredDNSServer</td>
<td>Set Static IPv4 DNS preferred server.</td>
</tr>
<tr>
<td>Ipv4Configuration静StaticAlternateDNSServer</td>
<td>Set Static IPv4 DNS alternate server.</td>
</tr>
<tr>
<td>Ipv6Configuration.Enable</td>
<td>Enable IPv6 network settings.</td>
</tr>
<tr>
<td>Ipv6Configuration.EnableAutoConfiguration</td>
<td>Obtain IPv6 using DHCPv6 server or router advertisements (RA).</td>
</tr>
<tr>
<td>Ipv6Configuration静StaticIPAddress</td>
<td>Set Static IPv6 address.</td>
</tr>
<tr>
<td>Ipv6Configuration静StaticPrefixLength</td>
<td>Set Static IPv6 prefix length.</td>
</tr>
<tr>
<td>Ipv6Configuration静StaticGateway</td>
<td>Set Static IPv6 gateway address.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Ipv6Configuration.UseDHCPForDNSServerNames</td>
<td>Obtain IPv6 DNS servers via DHCP server options.</td>
</tr>
<tr>
<td>Ipv6Configuration.StaticPreferredDNSServer</td>
<td>Set Static IPv6 DNS preferred server.</td>
</tr>
<tr>
<td>Ipv6Configuration.StaticAlternateDNSServer</td>
<td>Set Static IPv6 DNS alternate server.</td>
</tr>
<tr>
<td>ManagementVLAN.EnableVLAN</td>
<td>Enable Tagged VLAN.</td>
</tr>
<tr>
<td>ManagementVLAN.Id</td>
<td>Set VLAN ID.</td>
</tr>
<tr>
<td>DnsConfiguration.RegisterWithDNS</td>
<td>Register/Unregister with DNS server.</td>
</tr>
<tr>
<td>DnsConfiguration.DnsName</td>
<td>Set DNS name.</td>
</tr>
<tr>
<td>DnsConfiguration.UseDHCPForDNSDomainName</td>
<td>Obtain DNS domain name via DHCP server.</td>
</tr>
<tr>
<td>DnsConfiguration.DnsDomainName</td>
<td>Set Static DNS domain name.</td>
</tr>
<tr>
<td>Delay</td>
<td>The time, in seconds, after which settings are applied asynchronously.</td>
</tr>
</tbody>
</table>

/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**

```json
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**

```json
Input:
{
  "Timeout": 4,
  "PortNumber": 8778,
  "EnableWebServer": true
}
```
Table 12. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TimeOut</td>
<td>Session time Duration</td>
</tr>
<tr>
<td>PortNumber</td>
<td>Port number of the web server configurations</td>
</tr>
<tr>
<td>EnableWebServer</td>
<td>Status of the web server</td>
</tr>
</tbody>
</table>

/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:

```json
{
  "@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": "2017-03-23 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_SETTING
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>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TimeZone</td>
<td>The timezone to use.</td>
</tr>
<tr>
<td>EnableNTP</td>
<td>Specify whether to enable or disable NTP.</td>
</tr>
<tr>
<td>PrimaryNTPAddress</td>
<td>The primary NTP address.</td>
</tr>
<tr>
<td>SecondaryNTPAddress1</td>
<td>The first secondary NTP address.</td>
</tr>
<tr>
<td>SecondaryNTPAddress2</td>
<td>The second secondary NTP address.</td>
</tr>
<tr>
<td>SystemTime</td>
<td>The system time. If EnableNTP is False, SystemTime cannot be null or empty.</td>
</tr>
</tbody>
</table>

/api/ApplicationService/Network/TimeZones
This URI represents the time-zone application services.

GET method for TimeZone
This method returns the time-zone configuration.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the time-zone configuration.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:
Output:
{
  "@odata.context": "$metadata#Collection(Network.TimeZone)",
  "@odata.count": 95,
  "value": [
    {
      "Utcoffsetminutes": 60,
      "Id": "TZ_ID_38",
      "Name": "(GMT+01:00) Brussels, Copenhagen, Madrid, Paris"
    },
    ...
    {
      "Utcoffsetminutes": 330,
      "Id": "TZ_ID_66",
      "Name": "(GMT+05:30) Sri Jayawardenepura"
    }
  ]
}
### Table 14. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utcoffsetminutes</td>
<td>The number of minutes this time zone is offset from UTC.</td>
</tr>
<tr>
<td>Id</td>
<td>The ID of the time zone.</td>
</tr>
<tr>
<td>Name</td>
<td>The name or location of the time zone.</td>
</tr>
</tbody>
</table>

/\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**

```json
Input:
{
    "@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**

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

Output:

```json
{
    "IpAddress": null,
    "PortNumber": 0,
    "Username": null,
    "Password": null,
    "EnableAuthentication": false,
}
<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IpAddress</td>
<td>Proxy Address, if HTTP Proxy Settings is enabled.</td>
</tr>
<tr>
<td>PortNumber</td>
<td>Port number, if HTTP Proxy Settings is enabled.</td>
</tr>
<tr>
<td>EnableAuthentication</td>
<td>Enable or disable Proxy Authentication.</td>
</tr>
<tr>
<td>EnableProxy</td>
<td>Enable or disable HTTP Proxy Settings.</td>
</tr>
<tr>
<td>Username</td>
<td>Username, if Proxy Authentication is enabled.</td>
</tr>
<tr>
<td>Password</td>
<td>Password, if Proxy Authentication is enabled.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns account level configurations for the accounts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**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"
    }
  ],
}```
Table 16. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Description for the Account service.</td>
</tr>
<tr>
<td>Name</td>
<td>Name given for Account service.</td>
</tr>
<tr>
<td>State</td>
<td>Indicates the known state of the resource.</td>
</tr>
<tr>
<td>HealthRollup</td>
<td>Health rollup status.</td>
</tr>
<tr>
<td>Health</td>
<td>Health of the resource.</td>
</tr>
<tr>
<td>ServiceEnabled</td>
<td>Indicates if the service is enabled or disabled.</td>
</tr>
<tr>
<td>AuthFailureLoggingThreshold</td>
<td>Number of authorization failures that need to occur before the failure attempt is logged to the manager log.</td>
</tr>
<tr>
<td>MinPasswordLength</td>
<td>Minimum password length.</td>
</tr>
<tr>
<td>MaxPasswordLength</td>
<td>Maximum password length.</td>
</tr>
<tr>
<td>AccountLockoutThreshold</td>
<td>The number of failed login attempts before a user account is locked for a specified duration. 0 indicates that the account is never locked.</td>
</tr>
<tr>
<td>AccountLockoutDuration</td>
<td>The time in seconds an account is locked after the account lockout threshold is met. This value must be equal or greater than the AccountLockoutResetAfter value. 0 indicates that the account is never locked.</td>
</tr>
<tr>
<td>AccountLockoutCounterResetAfter</td>
<td>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.</td>
</tr>
<tr>
<td>EnableIpRangeAddress</td>
<td>Enable or disable IP range address.</td>
</tr>
<tr>
<td>IpRangeAddress</td>
<td>IP range address to be used.</td>
</tr>
<tr>
<td>ByUserName</td>
<td>Configure this service by user name.</td>
</tr>
<tr>
<td>ByIpIpAddress</td>
<td>Configure this service by IP address.</td>
</tr>
</tbody>
</table>

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:

```json
{
  "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,
"ServiceEnabled": false,
"ByUserName": false,
"ByIPAddress": false,
"EnableIpRangeAddress": false
}

Table 17. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Uniquely identifies the resource within the collection of like resources.</td>
</tr>
<tr>
<td>Description</td>
<td>Description for the Account service.</td>
</tr>
<tr>
<td>Name</td>
<td>Name given for Account service.</td>
</tr>
<tr>
<td>State</td>
<td>Indicates the known state of the resource.</td>
</tr>
<tr>
<td>HealthRollup</td>
<td>Health rollup status.</td>
</tr>
<tr>
<td>Health</td>
<td>Health of the resource.</td>
</tr>
<tr>
<td>ServiceEnabled</td>
<td>Indicates whether this service is enabled or disabled.</td>
</tr>
<tr>
<td>AuthFailureLoggingThreshold</td>
<td>Number of authorization failures that need to occur before the failure attempt is logged to the manager log.</td>
</tr>
<tr>
<td>MinPasswordLength</td>
<td>Minimum password length.</td>
</tr>
<tr>
<td>MaxPasswordLength</td>
<td>Maximum password length.</td>
</tr>
<tr>
<td>AccountLockoutThreshold</td>
<td>The number of failed login attempts before a user account is locked for a specified duration. 0 indicates that the account is never locked.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>AccountLockoutDuration</td>
<td>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.</td>
</tr>
<tr>
<td>AccountLockoutCounterResetAfter</td>
<td>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.</td>
</tr>
<tr>
<td>EnableIpRangeAddress</td>
<td>Enable or disable IP range address.</td>
</tr>
<tr>
<td>IpRangeAddress</td>
<td>IP rage address to be used.</td>
</tr>
<tr>
<td>ByUserName</td>
<td>Configure the service by user name.</td>
</tr>
<tr>
<td>ByIPAddress</td>
<td>Configure the service by IP address.</td>
</tr>
</tbody>
</table>

/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**

```json
Input:

Output:

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

Table 18. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Uniquely identifies the resource within the collection.</td>
</tr>
</tbody>
</table>
### POST method for Accounts

This method creates an account.

**Description**
- Creates an account.

**Privilege**
- SECURITY_SETUP

**HTTP response codes**
- 201

**Example**

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

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

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Uniquely identifies the resource within the collection.</td>
</tr>
<tr>
<td>UserTypeId</td>
<td>Type of user.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DirectoryServiceId</td>
<td>Directory service ID.</td>
</tr>
<tr>
<td>Description</td>
<td>Description for the user.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the user. This name is the same as user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. When retrieving the details, Password is displayed as blank.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates if the account is locked or unlocked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates if the account is an in-built account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the account enabled or disabled.</td>
</tr>
<tr>
<td>Permissions</td>
<td>Permissions for this account.</td>
</tr>
</tbody>
</table>
Table 20. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Uniquely identifies the resource within the collection.</td>
</tr>
<tr>
<td>UserTypeld</td>
<td>Type of user.</td>
</tr>
<tr>
<td>DirectoryServicedId</td>
<td>Directory service ID.</td>
</tr>
<tr>
<td>Description</td>
<td>Description for the user.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the user. This name is the same as user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. When retrieving the details, Password is displayed as blank.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates if the account is locked or unlocked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates if the account is an in-built account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the account enabled or disabled.</td>
</tr>
</tbody>
</table>

/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:

```json
{
    "@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>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the user. This name is the same as user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. When retrieving the details, Password is displayed as blank.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates if the account is locked or unlocked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates if the account is an in-built account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the account enabled or disabled.</td>
</tr>
<tr>
<td>Permissions</td>
<td>Permissions for the account.</td>
</tr>
</tbody>
</table>

**PUT method for Accounts(ID)**

This method updates the settings for an account.

**Description**
Updates the settings for an account.

**Privilege**
SECURITY_SETUP

**HTTP response codes**
200

**Example**

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

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

**Table 21. Attributes**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Uniquely identifies the resource within the collection.</td>
</tr>
<tr>
<td>UserTypeId</td>
<td>Type of user.</td>
</tr>
<tr>
<td>DirectoryServiceId</td>
<td>Directory service ID.</td>
</tr>
<tr>
<td>Description</td>
<td>Description for the user.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the user. This name is the same as user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. When retrieving the details, Password is displayed as blank.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates if the account is locked or unlocked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates if the account is an in-built account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the account enabled or disabled.</td>
</tr>
</tbody>
</table>

**DELETE method for Accounts(Id)**

This method deletes an account.

| Description | Deletes an account. |
| Privilege   | SECURITY_SETUP |
| HTTP response codes | 204 |
| Example | |

```
Input:
Output:
```

**/api/AccountService/Accounts(userId)/Permissions**

This URI represents the permissions for an account.

**GET method for Permissions**

This method lists the permissions for an account.

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

```
Input:
Output:
```

```
{
  "@odata.context": "$metadata#Collection(AccountService.Permission)",
  "@odata.count": 1,
  "value": [
    {
      "Id": 3214,
      "UserId": 3164,
      "RoleId": 10,
      "Entities": [64
    }
  ]
}
```
Table 23. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Permission record ID.</td>
</tr>
<tr>
<td>UserId</td>
<td>Account ID for which permissions are retrieved.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role ID of the account.</td>
</tr>
<tr>
<td>Entities</td>
<td>List of entities that the account has access to.</td>
</tr>
</tbody>
</table>

/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

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

Output:

Table 24. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AccountIds</td>
<td>Account IDs to be enabled.</td>
</tr>
</tbody>
</table>

/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

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

Output:
Table 25. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AccountIds</td>
<td>Account IDs to be disabled.</td>
</tr>
</tbody>
</table>

/api/AccountService/Actions/AccountService.Delete

This URI enables you to delete multiple accounts.

POST method for AccountService.Delete

The method deletes multiple accounts.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes multiple accounts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>SECURITY_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
</tbody>
</table>

Example

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

Output:

Table 26. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AccountIds</td>
<td>Account IDs to be deleted.</td>
</tr>
</tbody>
</table>

/api/AccountService/Roles

This URI represents the user roles.

GET method for Roles

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a list of user roles and respective privileges.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

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",  
        "APPLICATION_SETUP",  
        "APPLICATION_SETUP"  
    ]  
  ]  
}  
```
Table 27. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Role record ID.</td>
</tr>
<tr>
<td>Description</td>
<td>Role description.</td>
</tr>
<tr>
<td>Name</td>
<td>Name for the role.</td>
</tr>
<tr>
<td>IsPredefined</td>
<td>Indicates if the role is a predefined role.</td>
</tr>
<tr>
<td>AssignedPrivileges</td>
<td>List of assigned privileges.</td>
</tr>
<tr>
<td>OemPrivileges</td>
<td>List of OEM privileges for the role.</td>
</tr>
</tbody>
</table>

/api/AccountService/Roles(Id)

This URI represents the details of a user role.

GET method for Roles(Id)

This method returns the details of a user role.

**Description**
Returns the details of a user role.

**Privilege**
VIEW

**HTTP response codes**
200

**Example**

Input:

Output:

```
{
  "@odata.context": "$metadata#Collection(AccountService.Role)",
  "@odata.count": 5,
  "value": [
    {
      "@odata.id": "/api/AccountService/Roles('10')",
      "Id": "10",
      "Description": "Privileges to do all operations",
      "Name": "CHASSIS_ADMINISTRATOR",
      "IsPredefined": true,
      "AssignedPrivileges": [],
      "OemPrivileges": [
        "VIEW",
        "APPLIANCE_SETUP",
        "SECURITY_SETUP",
        "MONITORING_SETUP",
        "POWER_CONTROL",
        "DEVICE_CONFIGURATION",
        "OPERATING_SYSTEM_DEPLOYMENT",
        "DEVICE_UPDATE",
        "TEMPLATE_MANAGEMENT",
        "BASELINE_MANAGEMENT",
        "POWER_MANAGEMENT"
      ]
    }
  ]
}
```
Table 28. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Role record ID.</td>
</tr>
<tr>
<td>Description</td>
<td>Role description.</td>
</tr>
<tr>
<td>Name</td>
<td>Name for the role.</td>
</tr>
<tr>
<td>IsPredefined</td>
<td>Indicates if the role is a predefined role.</td>
</tr>
<tr>
<td>AssignedPrivileges</td>
<td>List of assigned privileges.</td>
</tr>
<tr>
<td>OemPrivileges</td>
<td>List of OEM privileges for the role.</td>
</tr>
</tbody>
</table>

/\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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the LDAP and AP ports and network timeouts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

```
{
  "@odata.context": "$metadata#ExternalAccountProvider.ExternalAccountProvider/$entity",
  "@odata.id": "/api/AccountService/ExternalAccountProvider",
  "DefaultLDAPPort": 389,
  "DefaultADPort": 3268,
  "DefaultNetworkTimeOut": 120,
  "DefaultSearchTimeOut": 120,
  "Actions": null,
  "LDAPAccountProvider": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/LDAPAccountProvider"
    }
  ],
  "ADAccountProvider": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/ADAccountProvider"
    }
  ],
  "DirectoryServiceType": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/DirectoryServiceType"
    }
  ]
}
```
Table 29. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>The identifier of the external account provider.</td>
</tr>
<tr>
<td>DefaultLDAPPort</td>
<td>The default LDAP port.</td>
</tr>
<tr>
<td>DefaultADPort</td>
<td>The default AD port.</td>
</tr>
<tr>
<td>DefaultNetworkTimeOut</td>
<td>The default network timeout.</td>
</tr>
<tr>
<td>DefaultSearchTimeOut</td>
<td>The default search timeout.</td>
</tr>
</tbody>
</table>

/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:

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

Table 30. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Identifier of the Directory Type.</td>
</tr>
<tr>
<td>DirectoryType</td>
<td>Directory Type.</td>
</tr>
</tbody>
</table>
/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 |

```json
Input:
{
  "@odata.context": "$metadata#Collection(ExternalAccountProvider.ADAccountProvider)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/AccountService/ExternalAccountProvider/ADAccountProvider(1264)",
      "Id": 1264,
      "Name": "Dell Servers",
      "ServerType": "MANUAL",
      "ServerName": [
        "ausdc12amer29.amer.dell.com"
      ],
      "UserName": "Admin",
      "Password": "XXXXXX",
      "ServerPort": 3268,
      "SsoEnablement": false,
      "KerberosFile": null,
      "NetworkTimeOut": 120,
      "SearchTimeOut": 120,
      "CertificateValidation": false,
      "CertificateFile": null,
      "Groups": [
        {
          "@odata.id": "/api/AccountService/ExternalAccountProvider/ADAccountProvider(1264)/Groups"
        }
      ]
    }
  ]
}
```

POST method for ADAccountProvider

This method adds an Active Directory service.

| Description | Adds an Active Directory service. |
| Privilege | SECURITY_SETUP |
| HTTP response codes | 200 |
| Example |

```json
Input:
{
  "Name": "Starship",
```
Table 31. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Active Directory or LDAP server ID.</td>
</tr>
<tr>
<td>ServerType</td>
<td>Server type of the directory—DNS or Manual.</td>
</tr>
<tr>
<td>ServerName</td>
<td>Server name of the directory service.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the directory service.</td>
</tr>
<tr>
<td>Password</td>
<td>Password of the directory service.</td>
</tr>
<tr>
<td>ServerPort</td>
<td>Port of the directory Service.</td>
</tr>
<tr>
<td>NetworkTimeOut</td>
<td>Network timeout value.</td>
</tr>
<tr>
<td>SearchTimeOut</td>
<td>Search timeout value.</td>
</tr>
<tr>
<td>CertificateValidation</td>
<td>Enable or disable certificate validation for the directory service.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the details of a specific Active Directory server.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>
Example

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
}
"Password": null,
"ServerPort": 3268,
"NetworkTimeOut": 120,
"SearchTimeOut": 120,
"CertificateValidation": false,
"CertificateFile": null
}

Table 32. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>The identifier of the AD account provider.</td>
</tr>
<tr>
<td>Name</td>
<td>Directory name.</td>
</tr>
<tr>
<td>ServerType</td>
<td>Server type of the directory—DNS or Manual.</td>
</tr>
<tr>
<td>ServerName</td>
<td>Server name of the directory service.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the directory service.</td>
</tr>
<tr>
<td>Password</td>
<td>Password of the directory service.</td>
</tr>
<tr>
<td>ServerPort</td>
<td>Port of the directory service.</td>
</tr>
<tr>
<td>NetworkTimeOut</td>
<td>Network timeout value.</td>
</tr>
<tr>
<td>SearchTimeOut</td>
<td>Search timeout value.</td>
</tr>
<tr>
<td>CertificateValidation</td>
<td>Enable or disable certificate validation for the directory service.</td>
</tr>
</tbody>
</table>

/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:
{}

Example
Output:
{}

"Id": 2714,
Example for ServerType: DNS
Input:

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

Output:

```json
{
  "Name": "AD",
  "ServerType": "DNS",
  "ServerName": [
    "ausdcdell1.dell.com",
    "rdudc12dell01.dell.com",
    "penc12dell01.dell.com",
    "ausdc12dell02.dell.com",
    "ausdc12dell01.dell.com",
    "limdc12dell01.dell.com",
    "ausdc12dell05.dell.com",
    "ausdc12dell06.dell.com",
    "rdudc12dell02.dell.com",
    "ausdc12dell03.dell.com"
  ],
  "DnsServer": [
    "dell.com"
  ],
  "GroupDomain": "dell.com",
  "UserName": null,
  "Password": "",
  "ServerPort": 3269,
  "NetworkTimeOut": 120,
  "SearchTimeOut": 120,
  "CertificateValidation": false,
  "CertificateFile": ""
}
```

### Table 33. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the directory service.</td>
</tr>
<tr>
<td>Id</td>
<td>ID of the AD or LDAP server.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ServerType</td>
<td>Server type of the directory—DNS or Manual.</td>
</tr>
<tr>
<td>ServerName</td>
<td>Server name of the directory service.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the directory service.</td>
</tr>
<tr>
<td>Password</td>
<td>Password of the directory service.</td>
</tr>
<tr>
<td>ServerPort</td>
<td>Port of the directory service.</td>
</tr>
<tr>
<td>NetworkTimeOut</td>
<td>Network timeout value.</td>
</tr>
<tr>
<td>SearchTimeOut</td>
<td>Search timeout value.</td>
</tr>
<tr>
<td>CertificateValidation</td>
<td>Enable or disable certificate validation for the directory service.</td>
</tr>
</tbody>
</table>

/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**

```json
Input:

Output:

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

This method adds an LDAP Directory Service.

**Description**

Adds an LDAP Directory Service.

**Privilege**

SECURITY_SETUP

**HTTP response codes**

200

**Example**

Input:

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

Output:

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

**Table 34. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the LDAP account provider.</td>
</tr>
<tr>
<td>Name</td>
<td>Directory name.</td>
</tr>
<tr>
<td>ServerType</td>
<td>Server type of the directory—DNS or Manual.</td>
</tr>
<tr>
<td>ServerName</td>
<td>Server name of the directory service.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the directory service.</td>
</tr>
<tr>
<td>Password</td>
<td>Password of the directory service.</td>
</tr>
</tbody>
</table>

54 Application settings
<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BaseDistinguishedName</td>
<td>Domain names for search base. Example: dc=dell, dc=com.</td>
</tr>
<tr>
<td>AttributeUserLogin</td>
<td>User login details.</td>
</tr>
<tr>
<td>AttributeGroupMembership</td>
<td>Group member information.</td>
</tr>
<tr>
<td>SearchFilter</td>
<td>Search type.</td>
</tr>
<tr>
<td>NetworkTimeOut</td>
<td>Network timeout value.</td>
</tr>
<tr>
<td>SearchTimeOut</td>
<td>Search timeout value.</td>
</tr>
<tr>
<td>CertificateValidation</td>
<td>Enable or disable certificate validation for the directory service.</td>
</tr>
</tbody>
</table>

**/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the details of a single LDAP server.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input:

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

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

**Description**

Updates the details of an LDAP server.

**Privilege**

SECURITY_SETUP

**HTTP response codes**

200

**Example**

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

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

**Table 35. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the LDAP account provider.</td>
</tr>
<tr>
<td>Name</td>
<td>Directory name</td>
</tr>
<tr>
<td>ServerType</td>
<td>Server type of the directory—DNS or Manual.</td>
</tr>
<tr>
<td>ServerName</td>
<td>Server name of the directory service.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the directory service.</td>
</tr>
<tr>
<td>Password</td>
<td>Password of the directory service.</td>
</tr>
<tr>
<td>BaseDistinguishedName</td>
<td>Domain names for search base. Example: dc=dell, dc=com.</td>
</tr>
<tr>
<td>AttributeUserLogin</td>
<td>User login details.</td>
</tr>
<tr>
<td>AttributeGroupMembership</td>
<td>Group member information.</td>
</tr>
<tr>
<td>SearchFilter</td>
<td>Search type.</td>
</tr>
<tr>
<td>NetworkTimeOut</td>
<td>Network timeout value.</td>
</tr>
</tbody>
</table>

56 Application settings
<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SearchTimeOut</td>
<td>Search timeout value.</td>
</tr>
<tr>
<td>CertificateValidation</td>
<td>Enable or disable certificate validation for the directory service.</td>
</tr>
</tbody>
</table>

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

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

**POST method for ExternalAccountProvider.TestLDAPConnection**

This method tests the LDAP Directory Service connection.

**Description**
Tests the LDAP Directory Service connection.

**Privilege**
SECURITY_SETUP

**HTTP response codes**
200

**Example**

Example for ServerType: MANUAL

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

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

Example for ServerType: DNS

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

Output:
{
  "Name": "LDAP",
  "ServerType": "DNS",
  "ServerName": [
    "ausdc12dell1.dell.com",
    "rdudc12dell01.dell.com",
    "pendc12dell01.dell.com",
    "ausdc12dell02.dell.com",
    "ausdc12dell01.dell.com",
    "limdc12dell01.dell.com",
    "ausdc12dell05.dell.com",
    "ausdc12dell06.dell.com",
    "rdudc12dell02.dell.com",
    "ausdc12dell03.dell.com"
  ],
  "DnsServer": [
    "dell.com"
  ],
  "UserName": null,
  "Password": "",
  "ServerPort": 636,
  "BindDN": null,
  "BindPassword": "",
  "BaseDistinguishedName": "dc=dell,dc=com",
  "AttributeUserLogin": null,
  "AttributeGroupMembership": null,
  "SearchFilter": null,
  "NetworkTimeOut": 120,
  "SearchTimeout": 120,
  "CertificateValidation": false,
  "CertificateFile": ""
}

Table 36. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the LDAP account provider.</td>
</tr>
<tr>
<td>Name</td>
<td>Directory name.</td>
</tr>
<tr>
<td>ServerType</td>
<td>Server type of the directory—DNS or Manual.</td>
</tr>
<tr>
<td>ServerName</td>
<td>Server name of the directory service.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the directory service.</td>
</tr>
<tr>
<td>Password</td>
<td>Password of the directory service.</td>
</tr>
</tbody>
</table>

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Attribute name | Description
---|---
BaseDistinguishedName | Domain names for search base. Example: `dc=dell, dc=com`.
AttributeUserLogin | User login details.
AttributeGroupMembership | Group member information.
SearchFilter | Search type.
NetworkTimeout | Network timeout value.
SearchTimeout | Search timeout value.
CertificateValidation | Enable or disable certificate validation for the directory service.

/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:

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

Output:

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

**Table 37. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CommonName</td>
<td>Common name of the directory service.</td>
</tr>
<tr>
<td>OrganizationalUnit</td>
<td>Organization unit of the directory service.</td>
</tr>
<tr>
<td>DistinguishedName</td>
<td>Distinguished name of the directory service.</td>
</tr>
<tr>
<td>DomainComponent</td>
<td>Domain name of the directory service.</td>
</tr>
<tr>
<td>ObjectGuid</td>
<td>Unique ObjectGuid for the group.</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes an Active Directory or LDAP Directory Service.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>SECURITY_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

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

**Output:**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AccountProviderIds</td>
<td>List of Active Directory or LDAP Directory Services.</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Imports a Group and adds to the user list.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>SECURITY_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

```json
Input:
[
    {
        "UserTypeId": 2,
        "DirectoryServiceId": 0,
        "Description": "admin",
        "Name": "MSMMegatronTeam",
        "Password": "",
        "UserName": "MSMMegatronTeam",
        "RoleId": "10",
        "Locked": false,
        "Enabled": true,
        "ObjectGuid": "d22005b6-0ce5-40ed-88d0-7f7759b52f25"
    },
    {
        "UserTypeId": 2,
        "DirectoryServiceId": 0,
```
Table 39. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique identifier of the resource within the collection.</td>
</tr>
<tr>
<td>UserTypeId</td>
<td>Type of user.</td>
</tr>
<tr>
<td>DirectoryServiceId</td>
<td>ID of the directory service.</td>
</tr>
<tr>
<td>Description</td>
<td>Description for this user.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the user. This value is the same as the user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. When retrieving the details, Password is not displayed.</td>
</tr>
<tr>
<td>UserName</td>
<td>Username of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates if the account is locked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates if the account is an in-built account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the account is enabled.</td>
</tr>
<tr>
<td>ObjectGuid</td>
<td>Unique group ID for directory service.</td>
</tr>
</tbody>
</table>

Application settings

61
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the security information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

Output:

```json
{
"@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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the security configuration.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

Output:

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

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

**Table 40. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value.ValidFrom</td>
<td>Date from which the certificate is valid.</td>
</tr>
<tr>
<td>Value.ValidTo</td>
<td>Date till which the certificate is valid.</td>
</tr>
<tr>
<td>Value.IssuedBy</td>
<td>Who the certificate is issued by.</td>
</tr>
<tr>
<td>Value.IssuedBy.DistinguishedName</td>
<td>Distinguished name of the certificate issuer.</td>
</tr>
<tr>
<td>Value.IssuedBy.DepartmentName</td>
<td>The department which issued the certificate.</td>
</tr>
<tr>
<td>Value.IssuedBy.BusinessName</td>
<td>Business name by which the certificate is issued.</td>
</tr>
<tr>
<td>Value.IssuedBy.Locality</td>
<td>Locality of the certificate issuer.</td>
</tr>
<tr>
<td>Value.IssuedBy.Email</td>
<td>Email from which the certificate is issued.</td>
</tr>
<tr>
<td>Value.IssuedTo.DistinguishedName</td>
<td>Distinguished name to whom the certificate is issued.</td>
</tr>
</tbody>
</table>
The department to which the certificate is issued.

Business name to which the certificate is issued.

Locality to which the certificate is issued.

State to which the certificate is issued.

Country to which the certificate is issued.

Email address to which the certificate is issued.

`/api/ApplicationService/Actions/ApplicationService.GenerateCSR`

This URI represents the resource for Certificate Signing Requests.

**POST method for GenerateCSR**

This method generates a new CSR.

**Description**

Generates a new Certificate Signing Request.

**Privilege**

APPLIANCE_SETUP

**HTTP response codes**

200

**Example**

Input:

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

Output:

```
-----BEGIN CERTIFICATE REQUEST-----
MIIB/jCCAwCtCAQgAgzgCxAJBhNVBABegvA1VTMQswCQYDVQQIEwJUWDETMBEGA1UE
BxMUM9i1mQmQn9jazENMAsgA1UEchMERGVsMBQGA1UEAxMNNUHJvZHvJdcBH
91cDEVMvMRGA1UEAxMvMTcytjE3lJzuMjA0MSkwJwY3JkZiVbDrCBy3AqkFprzXR
oBGVbJi9iX5QYXchweBkZXVzM1bzbhTbvnzANBkgkhkic9wOBAQFAAOOBjQAwgYK
C4YeAwS1SpKuCM+vrJ6M1HhaUWv8LQ4MMQpaFpE75sJn9fV2xQp01Tw1D5hu
DdCcVeU9nzA23oR0Xc2mp28zw/4cBbsje0idLAC0PxDZq5v6FlFhri9kCHznGc4Q
Z2jn06u+QF9RRDyaXkZX2bnp9X2zGz8K8kdSr9kchyLAIYMCAwEAAAOoGCMHCSqG
S1b3DQEJBr9EWEWqR9GhOyWywy85nZS8w7yXNzd29yZDANBgkqkhkiZ9G90BAQFAQ
OBGQxxB05n5Pye+59Pmo+LjEF+XB34CZvq4qcrCaECyKvB2gjRXLP39sABFlxxd5w
D+xddxy6/8pDdSLM18FggcV9LhrgJqF5ue+pA3B1jtk2Al9cWvXHfZs64/W4Fv
hioJN68xeF0bTxW9S91KufK8dWWkbQessaABq3yQM1kw==
-----END CERTIFICATE REQUEST-----
```
/api/ApplicationService/Actions/ApplicationService.UploadCertificate

This URI allows you to upload certificates.

POST method for UploadCertificate

This method uploads a certificate.

<table>
<thead>
<tr>
<th>Description</th>
<th>Uploads a certificate.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>APPLIANCE_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a collection of SNMP configuration.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

Output:

```json
{
  "$odata.context": "/$metadata#Collection(AlertDestinations.SNMPConfiguration),
  "$odata.count": 4,
  "value": [
    {
      "Id": 1,
      "Enabled": true,
      "DestinationAddress": "100.97.1.185",
      "PortNumber": 162,
      "Version": "SNMPV2",
      "SnmpV1V2Credential": {
        "Community": "public"
      }
    }
  ]
}```
Table 42. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the SNMP configuration.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the SNMP send trap is enabled or disabled.</td>
</tr>
<tr>
<td>DestinationAddress</td>
<td>SNMP destination address.</td>
</tr>
<tr>
<td>PortNumber</td>
<td>SNMP port number.</td>
</tr>
<tr>
<td>Version</td>
<td>SNMP version.</td>
</tr>
<tr>
<td>Community</td>
<td>SNMP community.</td>
</tr>
</tbody>
</table>

**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.

```json
]
}
```

### api/AlertService/AlertDestinations/Actions/AlertDestinations.ApplySNMPConfig

**POST method for AlertDestinations.ApplySNMPConfig**

This method configures SNMP.

<table>
<thead>
<tr>
<th>Description</th>
<th>Configures SNMP.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>MONITORING_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Application settings
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": {

Table 43. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the SNMP configuration.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the SNMP send trap is enabled or disabled.</td>
</tr>
<tr>
<td>DestinationAddress</td>
<td>SNMP destination address.</td>
</tr>
<tr>
<td>PortNumber</td>
<td>SNMP port number.</td>
</tr>
<tr>
<td>Version</td>
<td>SNMP version.</td>
</tr>
<tr>
<td>Community</td>
<td>SNMP community.</td>
</tr>
</tbody>
</table>

/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

Retruns a list of syslog configuration.

Privilege

VIEW

HTTP response codes

200

Example

Input:

```
{
  "@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
    }
  ]
```
Table 44. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the syslog configuration.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if syslog is enabled or disabled.</td>
</tr>
<tr>
<td>DestinationAddress</td>
<td>Destination address of syslog.</td>
</tr>
<tr>
<td>PortNumber</td>
<td>Port number of syslog.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Configures the syslog.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>MONITORING_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

```json
[  {    "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  }]
```
Table 45. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the syslog.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if syslog is enabled or disabled.</td>
</tr>
<tr>
<td>DestinationAddress</td>
<td>Destination address of syslog.</td>
</tr>
<tr>
<td>PortNumber</td>
<td>Port number of syslog.</td>
</tr>
</tbody>
</table>

/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:

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

Output:

```json
[
  {
    "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 46. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DestinationAddress</td>
<td>Destination address of SMTP.</td>
</tr>
<tr>
<td>PortNumber</td>
<td>Port number of SMTP.</td>
</tr>
<tr>
<td>UseCredentials</td>
<td>Indicates if credentials are used.</td>
</tr>
<tr>
<td>UseSSL</td>
<td>Indicates if SSL is used.</td>
</tr>
</tbody>
</table>

POST method for SMTPConfiguration

This method configures SMTP to send emails.

Description: Configures SMTP.
Privilege: MONITORING_SETUP
HTTP response codes: 200

Example

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

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

Table 47. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DestinationAddress</td>
<td>Destination address of SMTP.</td>
</tr>
<tr>
<td>PortNumber</td>
<td>Port number of SMTP.</td>
</tr>
<tr>
<td>UseCredentials</td>
<td>Indicates if credentials are used.</td>
</tr>
<tr>
<td>UseSSL</td>
<td>Indicates if SSL is used.</td>
</tr>
<tr>
<td>User</td>
<td>User name</td>
</tr>
<tr>
<td>Password</td>
<td>Password</td>
</tr>
</tbody>
</table>

Application settings
POST method for AlertDestinations.SendTestTrap

This method sends an SNMP trap to the destination address.

**Description**
Sends an SNMP trap to the destination address.

**Privilege**
MONITORING_SETUP

**HTTP response codes**
200

**Example**

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

Output:

**Table 48. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DestinationAddress</td>
<td>Destination address of SNMP.</td>
</tr>
<tr>
<td>PortNumber</td>
<td>Trap port number of SNMP.</td>
</tr>
<tr>
<td>Version</td>
<td>Version of SNMP.</td>
</tr>
<tr>
<td>UseSSL</td>
<td>Community of SNMP.</td>
</tr>
</tbody>
</table>
Alert logs

/api/AlertService/Alerts

This URI represents the alerts.

### Table 49. Filters

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

### 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": [
```
Table 50. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Event record ID.</td>
</tr>
<tr>
<td>SeverityType</td>
<td>ID of severity.</td>
</tr>
<tr>
<td>SeverityName</td>
<td>Name of severity.</td>
</tr>
<tr>
<td>AlertDeviceId</td>
<td>ID of device.</td>
</tr>
<tr>
<td>AlertDeviceName</td>
<td>Name of device.</td>
</tr>
<tr>
<td>AlertDeviceType</td>
<td>Device type ID.</td>
</tr>
<tr>
<td>AlertDeviceIpAddress</td>
<td>IP address of device.</td>
</tr>
<tr>
<td>AlertDeviceMacAddress</td>
<td>MAC address of device.</td>
</tr>
<tr>
<td>AlertDeviceIdentifier</td>
<td>Identifier or Service Tag of device.</td>
</tr>
<tr>
<td>AlertDeviceAssetTag</td>
<td>Asset tag of device.</td>
</tr>
<tr>
<td>DefinitionId</td>
<td>ID of the definition associated to the alert.</td>
</tr>
<tr>
<td>CatalogName</td>
<td>Catalog name associated to alert.</td>
</tr>
<tr>
<td>CategoryId</td>
<td>Category ID associated to alert.</td>
</tr>
<tr>
<td>CategoryName</td>
<td>Category name associated to alert.</td>
</tr>
<tr>
<td>SubCategoryId</td>
<td>Sub category ID associated to alert.</td>
</tr>
<tr>
<td>SubCategoryName</td>
<td>Sub category name associated to alert.</td>
</tr>
<tr>
<td>StatusType</td>
<td>ID of status type.</td>
</tr>
<tr>
<td>StatusName</td>
<td>Name of status type.</td>
</tr>
<tr>
<td>TimeStamp</td>
<td>Date and time when the alert was raised.</td>
</tr>
<tr>
<td>Message</td>
<td>Message describing the issue.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>xECMessage</td>
<td>Event and Error Message describing the issue, if applicable.</td>
</tr>
<tr>
<td>RecommendedAction</td>
<td>Recommended action for the alert.</td>
</tr>
<tr>
<td>AlertMessageld</td>
<td>Event and Alert Message ID associated with the issue.</td>
</tr>
<tr>
<td>AlertVarBindDetails</td>
<td>List of variable bindings of the alert, if applicable.</td>
</tr>
<tr>
<td>AlertMessageType</td>
<td>Type of message—Internal, SNMP, Redfish, and so on.</td>
</tr>
</tbody>
</table>

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

This URL represents the alerts that are acknowledged by the user administrator.

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

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

  **Description**

  Returns alerts that are acknowledged by user administrator.

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

This URL represents the unacknowledged alerts.

**GET method for Alerts?\$filter=\StatusType eq 2000**

  **Description**

  Returns the unacknowledged alerts.

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

This URL represents the acknowledged alerts.

**GET method for Alerts?\$filter=\StatusType eq 1000**

  **Description**

  Returns the acknowledged alerts.

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

This URL represents all the alerts.

**GET method for Alerts?\$filter=\StatusType eq 1**

  **Description**

  Returns all the alerts.

/\api/AlertService/Alerts(Id)

This URI represents a specific alert.

**GET method for Alerts(Id)**

This method returns the details of a specific alert.

  **Description**

  Returns the details of a specific alert.

  **Privilege**

  VIEW
HTTP response codes

Example

Input:

Output:

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

Table 51. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Event record ID.</td>
</tr>
<tr>
<td>SeverityType</td>
<td>ID of severity.</td>
</tr>
<tr>
<td>SeverityName</td>
<td>Name of severity.</td>
</tr>
<tr>
<td>AlertDeviceId</td>
<td>ID of device.</td>
</tr>
<tr>
<td>AlertDeviceName</td>
<td>Name of device.</td>
</tr>
<tr>
<td>AlertDeviceType</td>
<td>Device type ID.</td>
</tr>
<tr>
<td>AlertDeviceIpAddress</td>
<td>IP address of device.</td>
</tr>
<tr>
<td>AlertDeviceMacAddress</td>
<td>MAC address of device.</td>
</tr>
<tr>
<td>AlertDeviceIdentifier</td>
<td>Identifier or Service Tag of device.</td>
</tr>
<tr>
<td>AlertDeviceAssetTag</td>
<td>Asset tag of device.</td>
</tr>
<tr>
<td>DefinitionId</td>
<td>ID of the definition associated to the alert.</td>
</tr>
<tr>
<td>CatalogName</td>
<td>Catalog name associated to alert.</td>
</tr>
<tr>
<td>CategoryId</td>
<td>Category ID associated to alert.</td>
</tr>
<tr>
<td>CategoryName</td>
<td>Category name associated to alert.</td>
</tr>
<tr>
<td>SubCategoryId</td>
<td>Sub category ID associated to alert.</td>
</tr>
<tr>
<td>SubCategoryName</td>
<td>Sub category name associated to alert.</td>
</tr>
<tr>
<td>StatusType</td>
<td>ID of status type.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>------------------------------------------------------------</td>
</tr>
<tr>
<td>StatusName</td>
<td>Name of status type.</td>
</tr>
<tr>
<td>TimeStamp</td>
<td>Date and time when the alert was raised.</td>
</tr>
<tr>
<td>Message</td>
<td>Message describing the issue.</td>
</tr>
<tr>
<td>EemiMessage</td>
<td>Event and Error Message describing the issue, if applicable.</td>
</tr>
<tr>
<td>RecommendedAction</td>
<td>Recommended action for the alert.</td>
</tr>
<tr>
<td>AlertMessageld</td>
<td>Event and Alert Message ID associated with the issue.</td>
</tr>
<tr>
<td>AlertVarBindDetails</td>
<td>List of variable bindings of the alert, if applicable.</td>
</tr>
<tr>
<td>AlertMessageType</td>
<td>Type of message—Internal, SNMP, Redfish, and so on.</td>
</tr>
</tbody>
</table>

/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:

```json
{
    "@odata.context": "$metadata#Collection(AlertService.AlertCategories)",
    "@odata.count": 3,
    "value": [
    {
        "@odata.id": "/api/AlertService/AlertCategories('Application')",
        "Name": "Application",
        "CategoriesDetails": [
        {
            "Id": 1000,
            "Name": "System Health",
            "CatalogName": "Application",
            "SubCategoryDetails": [
            {
                "Id": 7500,
                "Name": "Online Status of Managed device",
                "Description": "Online Status of Managed device"
            },
            {
                "Id": 7400,
                "Name": "Health Status of Managed device",
                "Description": "Health Status of Managed device"
            }
        ]
    },
    {
        "Id": 1003,
        "Name": "Audit",
        "CatalogName": "Application",
        "SubCategoryDetails": [
        {
            "Id": 7600,
            "Name": "Device Compliance",
            "Description": "Device Compliance"
        }]
    }
]
}
```
Table 52. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the catalog for the category.</td>
</tr>
<tr>
<td>CategoriesDetails</td>
<td>ID of the category associated on the catalog.</td>
</tr>
<tr>
<td>Id</td>
<td>ID of the category associated on the catalog.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of category.</td>
</tr>
<tr>
<td>Catalog Name</td>
<td>Name of the catalog for which the category is associated.</td>
</tr>
<tr>
<td>SubCategoryDetails</td>
<td>ID of subcategory.</td>
</tr>
<tr>
<td>Id</td>
<td>ID of subcategory.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of subcategory.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of subcategory.</td>
</tr>
</tbody>
</table>

/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:

```json
{
   "@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"
            }
         ]
      }
   ]
}
```

Output:

```json
{ }
```
Table 53. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the catalog for the category.</td>
</tr>
<tr>
<td>CategoriesDetails</td>
<td></td>
</tr>
<tr>
<td>Id</td>
<td>ID of the category associated on the catalog.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of category.</td>
</tr>
<tr>
<td>Catalog Name</td>
<td>Name of the catalog for which the category is associated.</td>
</tr>
<tr>
<td>SubCategoryDetails</td>
<td></td>
</tr>
<tr>
<td>Id</td>
<td>ID of subcategory.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of subcategory.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of subcategory.</td>
</tr>
</tbody>
</table>

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

/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.
**Table 56. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the alert status.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the alert status</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the alert status.</td>
</tr>
</tbody>
</table>

**/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns details of a specific alert status.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

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

**Table 57. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the alert status.</td>
</tr>
</tbody>
</table>
### Table 58. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the alert status</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the alert status.</td>
</tr>
</tbody>
</table>

### /api/AlertService/AlertCatalogs

This URI represents the catalogs applicable to an event.

#### 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**

```json
Input:

Output:

```json```
{  
  "@odata.context": "$metadata#Collection(AlertService.AlertCatalog)",
  "@odata.count": 9,
  "value": [
    {
      "@odata.id": "/api/AlertService/AlertCatalogs(1000)",
      "@odata.id": "/api/AlertService/AlertCatalogs(1001)",
      "@odata.id": "/api/AlertService/AlertCatalogs(1002)",
    }]
```

---

82  Alerts
Table 59. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Catalog ID.</td>
</tr>
<tr>
<td>CatalogName</td>
<td>Name of the catalog.</td>
</tr>
<tr>
<td>InternalName</td>
<td>Internal name associated with the catalog.</td>
</tr>
<tr>
<td>ReleaseVersion</td>
<td>Catalog version.</td>
</tr>
<tr>
<td>IsBuiltIn</td>
<td>Indicates if the catalog is built-in or is manually included.</td>
</tr>
<tr>
<td>IsVisible</td>
<td>Indicates if the catalog is visible or hidden.</td>
</tr>
</tbody>
</table>

/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:

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

Table 60. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Catalog ID.</td>
</tr>
<tr>
<td>CatalogName</td>
<td>Name of the catalog.</td>
</tr>
<tr>
<td>InternalName</td>
<td>Internal name associated with the catalog.</td>
</tr>
<tr>
<td>ReleaseVersion</td>
<td>Catalog version.</td>
</tr>
<tr>
<td>IsBuiltIn</td>
<td>Indicates if the catalog is built-in or is manually included.</td>
</tr>
<tr>
<td>IsVisible</td>
<td>Indicates if the catalog is visible or hidden.</td>
</tr>
</tbody>
</table>
**/api/AlertService/Events**

This URI represents the events.

**POST method for Events**

This method creates an event.

<table>
<thead>
<tr>
<th>Description</th>
<th>Creates a Redfish event.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>MONITORING_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>201</td>
</tr>
</tbody>
</table>

**Example**

Input:

```json
{
  "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:
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- A specific alert</td>
</tr>
<tr>
<td></td>
<td>- All alerts</td>
</tr>
<tr>
<td></td>
<td>- A group of alerts based on the filters you provide</td>
</tr>
<tr>
<td>Privilege</td>
<td>MONITORING_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>201</td>
</tr>
</tbody>
</table>

**Example**

Input:

```json
{
  "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

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

/api/AlertService/Actions/AlertService.Unacknowledge

POST method for AlertService.Unacknowledge

This method removes the acknowledgment from the alerts.

Description

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

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

Privilege

MONITORING_SETUP

HTTP response codes

201

Example

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

Output:
## Table 62. Attributes

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

/\texttt{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**  

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

**Output:**
### Table 63. Attributes

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

### Alert policies

/api/AlertService/AlertPolicies

This URI represents the policies that are created.

### Table 64. Filters

<table>
<thead>
<tr>
<th>Filter name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Top records to return. Default value is 100.</td>
</tr>
<tr>
<td>Skip</td>
<td>Maximum records to skip. Default value is 0.</td>
</tr>
<tr>
<td>Id</td>
<td>Filter by policy IDs.</td>
</tr>
<tr>
<td>State</td>
<td>Filter by state—True or False.</td>
</tr>
<tr>
<td>Visible</td>
<td>Filter by visible state—True or False.</td>
</tr>
</tbody>
</table>

### GET method for AlertPolicies

This method returns the policies that are created.

**Description**

Returns all the policies.

**Privilege**

VIEW

**HTTP response codes**

200

**Example**

```json
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>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Event record ID.</td>
</tr>
<tr>
<td>Name</td>
<td>Name associated with the policy.</td>
</tr>
<tr>
<td>Description</td>
<td>Description associated with the policy.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the policy is enabled or disabled.</td>
</tr>
<tr>
<td>DefaultPolicy</td>
<td>Indicates if the policy is the default policy or pre-seeded.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>State</td>
<td>State associated with the policy.</td>
</tr>
<tr>
<td>Visible</td>
<td>Indicate if the policy is visible or hidden.</td>
</tr>
<tr>
<td>PolicyData</td>
<td></td>
</tr>
<tr>
<td>CatalogName</td>
<td>Name of the catalogs associated with the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>Categories</td>
<td>Name of the categories associated with the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>SubCategories</td>
<td>Name of the subcategories associated with the policy. If defined, this field is checked during policy evaluation.</td>
</tr>
<tr>
<td>Severities</td>
<td>List of severities associated to the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>Devices</td>
<td>List of devices associated to the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>DevicesTypes</td>
<td>List of devices types associated to the policy.</td>
</tr>
<tr>
<td>Groups</td>
<td>List of groups associated to the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>Schedule</td>
<td></td>
</tr>
<tr>
<td>StartTime</td>
<td>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.</td>
</tr>
<tr>
<td>EndTime</td>
<td>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.</td>
</tr>
<tr>
<td>CronString</td>
<td>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.</td>
</tr>
<tr>
<td>Actions</td>
<td></td>
</tr>
<tr>
<td>Id</td>
<td>ID of action.</td>
</tr>
<tr>
<td>Name</td>
<td>Name associated with the action.</td>
</tr>
<tr>
<td>ParameterDetails</td>
<td>Extra parameters that can be used for the action.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>ID of the template associated with the action.</td>
</tr>
<tr>
<td>PolicyActions</td>
<td>Link to the list of actions that can be triggered for the policy.</td>
</tr>
<tr>
<td>PolicyCriteria</td>
<td>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.</td>
</tr>
</tbody>
</table>

**POST method for AlertPolicies**

This method creates a policy.

- **Description**: Creates a policy.
- **Privilege**: MONITORING_SETUP
- **HTTP response codes**: 201

**Example**

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

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

```json
{
  "@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
    ]
  }
}```
Table 66. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Event record ID.</td>
</tr>
<tr>
<td>Name</td>
<td>Name associated with the policy.</td>
</tr>
<tr>
<td>Description</td>
<td>Description associated with the policy.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the policy is enabled or disabled.</td>
</tr>
<tr>
<td>DefaultPolicy</td>
<td>Indicates if the policy is the default policy or pre-seeded.</td>
</tr>
<tr>
<td>State</td>
<td>State associated with the policy.</td>
</tr>
<tr>
<td>Visible</td>
<td>Indicate if the policy is visible or hidden.</td>
</tr>
<tr>
<td>PolicyData</td>
<td></td>
</tr>
<tr>
<td>CatalogName</td>
<td>Name of the catalogs associated with the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>Categories</td>
<td>Name of the categories associated with the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>SubCategories</td>
<td>Name of the subcategories associated with the policy. If defined, this field is checked during policy evaluation.</td>
</tr>
<tr>
<td>Severities</td>
<td>List of severities associated to the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>Devices</td>
<td>List of devices associated to the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>DevicesTypes</td>
<td>List of devices types associated to the policy.</td>
</tr>
<tr>
<td>Groups</td>
<td>List of groups associated to the policy. This field is checked during policy evaluation.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Schedule</td>
<td>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.</td>
</tr>
<tr>
<td>StartTime</td>
<td>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.</td>
</tr>
<tr>
<td>EndTime</td>
<td>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.</td>
</tr>
</tbody>
</table>

**Actions**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of action.</td>
</tr>
<tr>
<td>Name</td>
<td>Name associated with the action.</td>
</tr>
<tr>
<td>ParameterDetails</td>
<td>Extra parameters that can be used for the action.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>ID of the template associated with the action.</td>
</tr>
<tr>
<td>PolicyActions</td>
<td>Link to the list of actions that can be triggered for the policy.</td>
</tr>
<tr>
<td>PolicyCriteria</td>
<td>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.</td>
</tr>
</tbody>
</table>

**PUT method for AlertPolicies(Id)**

This method updates a policy.

**Description**

Updates a policy.

**Privilege**

MONITORING_SETUP

**HTTP response codes**

201

**Example**

Input:

```json
{
  "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",
```
"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}]}
### Table 67. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>Event record ID.</td>
</tr>
<tr>
<td>Name</td>
<td>Name associated with the policy.</td>
</tr>
<tr>
<td>Description</td>
<td>Description associated with the policy.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the policy is enabled or disabled.</td>
</tr>
<tr>
<td>DefaultPolicy</td>
<td>Indicates if the policy is the default policy or pre-seeded.</td>
</tr>
<tr>
<td>State</td>
<td>State associated with the policy.</td>
</tr>
<tr>
<td>Visible</td>
<td>Indicate if the policy is visible or hidden.</td>
</tr>
<tr>
<td><strong>PolicyData</strong></td>
<td></td>
</tr>
<tr>
<td>CatalogName</td>
<td>Name of the catalogs associated with the policy.</td>
</tr>
<tr>
<td>Categories</td>
<td>Name of the categories associated with the policy. This is validated during policy evaluation.</td>
</tr>
<tr>
<td>SubCategories</td>
<td>Name of the subcategories associated with the policy. If defined, this field is validated during policy evaluation.</td>
</tr>
<tr>
<td>Severities</td>
<td>List of severities associated to the policy. This field is validated during policy evaluation.</td>
</tr>
<tr>
<td>Devices</td>
<td>List of devices associated to the policy. This field is validated during policy evaluation.</td>
</tr>
<tr>
<td>DevicesTypes</td>
<td>List of devices types associated to the policy.</td>
</tr>
<tr>
<td>Groups</td>
<td>List of groups associated to the policy. This field is validated during policy evaluation.</td>
</tr>
<tr>
<td><strong>Schedule</strong></td>
<td></td>
</tr>
<tr>
<td>StartTime</td>
<td>Start event-time to verify. This value indicates the start date and time for policy validity. If defined. This field is validated during policy evaluation.</td>
</tr>
<tr>
<td>EndTime</td>
<td>End event-time to verify. This value indicates the end date and time for policy validity. If defined. This field is validated during policy evaluation.</td>
</tr>
<tr>
<td>CronString</td>
<td>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.</td>
</tr>
<tr>
<td><strong>Actions</strong></td>
<td></td>
</tr>
<tr>
<td>Id</td>
<td>ID of action.</td>
</tr>
<tr>
<td>Name</td>
<td>Name associated with the action.</td>
</tr>
<tr>
<td>ParameterDetails</td>
<td>Extra parameters that can be used for the action.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>ID of the template associated with the action.</td>
</tr>
<tr>
<td>PolicyActions</td>
<td>Link to the list of actions that can be triggered for the policy.</td>
</tr>
<tr>
<td>PolicyCriteria</td>
<td>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.</td>
</tr>
</tbody>
</table>
This URI represents the criteria used for matching the policy with incoming events. The criteria determine if the policy can trigger any actions.

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Top records to return. Default value is 100.</td>
</tr>
<tr>
<td>Skip</td>
<td>Maximum records to skip. Default value is 0.</td>
</tr>
<tr>
<td>Arg1</td>
<td>Filter by list of policies IDs. Default value is 0.</td>
</tr>
<tr>
<td>Id</td>
<td>Filter by list of criteria IDs. Default value is 0.</td>
</tr>
<tr>
<td>Type</td>
<td>Filter by list of criteria types ID. Default value is 0.</td>
</tr>
<tr>
<td>ComparisonType</td>
<td>Filter by list of comparison types IDs. Default value is 0.</td>
</tr>
</tbody>
</table>

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:

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

**Table 69. Attributes**

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

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

This URI represents a specific criteria for a specific policy.

**GET method for PolicyCriteria(Arg2)**

This method returns a specific criteria for a specific policy.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a specific criteria for a specific policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input:

Output:

```json
{
  "@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>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the criteria.</td>
</tr>
<tr>
<td>PolicyId</td>
<td>ID of policy with which the criteria is associated.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Any extra parameter that can be used in the criteria.</td>
</tr>
<tr>
<td>Value</td>
<td>Expression that is used during policy evaluation with events.</td>
</tr>
<tr>
<td>Type</td>
<td>ID of the criteria type.</td>
</tr>
<tr>
<td>TypeName</td>
<td>Name of the criteria type.</td>
</tr>
<tr>
<td>ComparisonType</td>
<td>ID of comparison type.</td>
</tr>
<tr>
<td>ComparisonTypeName</td>
<td>Name of comparison type.</td>
</tr>
</tbody>
</table>

/api/AlertService/AlertPolicies(Arg1)/PolicyActions

This URI represents the actions associated with a policy.

**Table 71. Filters**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Top records to return. Default value is 100.</td>
</tr>
</tbody>
</table>
### 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**

```json
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>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skip</td>
<td>Maximum records to skip. Default value is 0.</td>
</tr>
<tr>
<td>Arg1</td>
<td>Filter by list of policies IDs. Default value is 0.</td>
</tr>
<tr>
<td>Id</td>
<td>Filter by list of action IDs. Default value is 0.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>Filter by list of template IDs. Default value is 0.</td>
</tr>
</tbody>
</table>

### Table 72. Attributes

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns details of a specific action that a policy can trigger.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input:

Output:

```json
{
    "@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>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the criteria.</td>
</tr>
<tr>
<td>PolicyId</td>
<td>ID of the policy with which the action is associated.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the action.</td>
</tr>
<tr>
<td>Parameters</td>
<td>Extra parameter that can be added to the action.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>ID of the action template associated with the action.</td>
</tr>
<tr>
<td>Template</td>
<td>ID of the template.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the template.</td>
</tr>
<tr>
<td>Description</td>
<td>Extra description of the template.</td>
</tr>
<tr>
<td>Disabled</td>
<td>Indicates if template is enabled or disabled.</td>
</tr>
<tr>
<td>ParameterDetails</td>
<td>List of other parameter that the template can carry and apply.</td>
</tr>
</tbody>
</table>
**/api/AlertService/AlertActionTemplates**

This URI represents the alert-action templates.

**GET method for AlertActionTemplates**

This method returns the alert-action templates.

### Description

<table>
<thead>
<tr>
<th>Privilege</th>
<th>VIEW</th>
</tr>
</thead>
</table>

### HTTP response codes

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
</tr>
</tbody>
</table>

### Example

**Input:**

```json
{}
```

**Output:**

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

### Table 74. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the action template.</td>
</tr>
</tbody>
</table>
### /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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a specific alert-action template.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

```plaintext
Input:

Output:

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

### Table 75. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the action template.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the action template.</td>
</tr>
<tr>
<td>Description</td>
<td>Extra description of the action template.</td>
</tr>
<tr>
<td>Disabled</td>
<td>Indicates if the template is enabled or disabled.</td>
</tr>
<tr>
<td>ParameterDetails</td>
<td>Extra parameter that the template can carry and apply.</td>
</tr>
</tbody>
</table>

### /api/AlertService/Actions/AlertService.EnableAlertPolicies

POST method for AlertService.EnableAlertPolicies

This method enables the selected alert policies.

<table>
<thead>
<tr>
<th>Description</th>
<th>Enables the selected alert policies.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>MONITORING_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>201</td>
</tr>
</tbody>
</table>
/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 alert policies.

**Privilege**
MONITORING_SETUP

**HTTP response codes**
201

**Example**

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

Or

Input:
{
    "AllPolicies": true
}

Output:
Alert definitions

/api/AlertService/AlertMessageDefinitions

This URI represents the definitions for the alert messages.

### Table 76. Filters

<table>
<thead>
<tr>
<th>Filter name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Top records to return. Default value is 100.</td>
</tr>
<tr>
<td>Skip</td>
<td>Maximum records to skip. Default value is 0.</td>
</tr>
<tr>
<td>MessageId</td>
<td>Filter by message ID.</td>
</tr>
<tr>
<td>Category</td>
<td>Filter by event ID.</td>
</tr>
<tr>
<td>SubCategory</td>
<td>Filter by subcategory.</td>
</tr>
<tr>
<td>Message</td>
<td>Filter by message.</td>
</tr>
<tr>
<td>Severity</td>
<td>Filter by severity.</td>
</tr>
</tbody>
</table>

### 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:

```
{
    "@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>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MessageId</td>
<td>ID of message definition.</td>
</tr>
<tr>
<td>Prefix</td>
<td>A 3-letter prefix of the message.</td>
</tr>
<tr>
<td>SequenceNo</td>
<td>Sequence number of the message.</td>
</tr>
<tr>
<td>Message</td>
<td>Message indicating the issue.</td>
</tr>
<tr>
<td>RecommendedAction</td>
<td>Recommended action for the message.</td>
</tr>
<tr>
<td>Severity</td>
<td>Type of severity.</td>
</tr>
<tr>
<td>Category</td>
<td>Category associated to the message.</td>
</tr>
<tr>
<td>SubCategory</td>
<td>Subcategory associated with the message.</td>
</tr>
<tr>
<td>DetailedDescription</td>
<td>Detailed description of the issue.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the definitions of a specific message.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:

```
{  
  "@odata.context": "$metadata#AlertService.AlertMessageDefinition/$entity",
  "@odata.id": "/api/AlertService/AlertMessageDefinitions('RAC0600')",
  "MessageId": "RAC0600",
  "Prefix": "RAC",
  "SequenceNo": 600,
  "Message": "Unable to retrieve the temperature information.",
  "RecommendedAction": "Power on the server. If the server is already powered on, wait for a few minutes and refresh the page. If the problem persists, contact service provider.",
  "Severity": "Warning",
  "Category": "Configuration",
  "SubCategory": null,
  "DetailedDescription": ""
}
```
Table 78. Attributes

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

/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:

Example:

Input:

Output:

```json
{
    "@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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Privilege</th>
<th>HTTP response codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Returns the details of a specific alert definition category.</td>
<td>VIEW</td>
<td>200</td>
</tr>
</tbody>
</table>

Input:

```
{
    "@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"
        }
    ]
}
```

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": "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-9000-5806c1fd836a",
            "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:

```json
{
   "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
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:

```json
{
  "@odata.context": "/api/$metadata#Collection(UpdateService.Baselines)",
  "@odata.count": 6,
  "value": [
    
  ]
}
```
POST method for Baselines

This method creates a baseline.

**Description**  
Creates a baseline.

**Privilege**  
BASELINE_MANAGEMENT

**HTTP response codes**  
201

**Example**

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

```{json}
{
  "@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:

```json
{
  "@odata.context": "/api/$metadata#Collection(UpdateService.DeviceComplianceReport)",
  "@odata.count": 1,
  "Id": 1000,
  "Name": "DEVICE"
}
```
/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

```json
{  "@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"
}
```
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**

```json
Input:

```

Output:

```json
{
   "@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": 
      "RebootRequired": true,
      "ComplianceStatus": "CRITICAL",
      "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**

Input:

Output:

```json
{
    "@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": "MX916N",
    "Criticality": "Recommended",
    "UniqueIdentifier": "a08abf4e-6af0-494a-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.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:

Output:

A numeric token ID is returned.
### /api/UpdateService/Actions/UpdateService.RemoveCatalogs

**POST method for RemoveCatalogs**

This method deletes catalogs.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes a catalog.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>BASELINE_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
</tbody>
</table>

#### Example

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

Output:

```
```

### /api/UpdateService/Actions/UpdateService.RemoveBaselines

**POST method for RemoveBaselines**

This method deletes baselines.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes baselines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>BASELINE_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
</tbody>
</table>

#### 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).

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the details of a specific DUP.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>DEVICE_UPDATE</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

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).

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the report of a DUP.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>DEVICE_UPDATE</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

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

Output:
[
    {"DeviceId": 1674,
     "DeviceReport":{
        "ComponentUpdateAction": "UPGRADE",
        "DeviceTypeId": "1000",
        "DeviceId": 1674
    }
]
"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"
}
}]
}
POST method for GetBaselinesReportByDeviceids

This method returns the baseline report for specific device IDs.

Description
Returns the baseline report for specific device IDs.

Privilege
BASELINE_MANAGEMENT

HTTP response codes
200

Example

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

Response payload:
[
   {
      "Id": 6,
      "Name": "Baseline1",
      "Description": "",
      "LastRun": "2021-09-14 20:34:18.767",
      "CatalogId": 22,
      "RepositoryId": 12,
      "RepositoryName": "CIFS",
      "RepositoryType": "CIFS",
      "DowngradeEnabled": true,
      "Is64Bit": false,
      "TaskId": 25203,
      "ComplianceSummary": {
         "ComplianceStatus": "CRITICAL",
         "NumberOfCritical": 4,
         "NumberOfWarning": 0,
         "NumberOfNormal": 3,
         "NumberOfDowngrade": 0
      },
      "Targets": [
         {
            "Id": 25019,
            "Type": {
               "Id": 1000,
               "Name": "DEVICE"
            }
         }
      ],
      "DeviceComplianceReports": [
         {
            "Id": 5,
            "DeviceId": 25019,
            "ServiceTag": "testing",
            "DeviceModel": "POWEREDGE MX7000",
            "DeviceTypeId": 2000,
            "DeviceTypeName": "MX-testing",
            "DeviceName": null,
            "FirmwareStatus": "Compliant",
            "ComplianceStatus": "OK",
            "RebootRequired": false,
            "ComponentComplianceReports": []
         }
      ]
   }
]
/api/UpdateService/Actions/UpdateService.GetCertDetails

POST method for GetCertDetails
This method returns the details of a certificate.

Description
Returns the details of a certificate.

Privilege
DEVICE_UPDATE

HTTP response codes
200

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

Output:
{
  "Version": "3",
  "Subject": "ST=Texas, C=USA, O=Dell Inc., L=Round Rock, CN=OMEDEV-DAHIR",
  "SignatureAlgorithm": "SHA1withRSA",
  "SignatureAlgorithmOid": "1.2.840.113549.1.1.5",
  "PublicKey": "X.509",
  "ValidityFrom": "Wed Sep 17 12:49:56 UTC 2014",
  "ValidityTo": "Tue Sep 18 12:49:56 UTC 2074",
  "Issuer": "ST=Texas, C=USA, O=Dell Inc., L=Round Rock, CN=OMEDEV-DAHIR",
  "SerialNumber": "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": [
NOTE: OME - Modular supports only the Server template type.

Table 79. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique identifier for the template type.</td>
</tr>
<tr>
<td>Name</td>
<td>The type of device for which this template type holds configuration attributes.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the features that support templates operations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:

    "@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,
Table 80. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique identifier for the template view type.</td>
</tr>
<tr>
<td>Name</td>
<td>Identifies the features that supports template operations.</td>
</tr>
</tbody>
</table>

/api/TemplateService/Templates

This URI represents the templates.

GET method for Templates

This method returns the details of all available templates.

Table 81. Filters

<table>
<thead>
<tr>
<th>Filter name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Top records to return. Default value is 100.</td>
</tr>
<tr>
<td>Skip</td>
<td>Maximum records to skip. Default value is 0.</td>
</tr>
<tr>
<td>Orderby</td>
<td>Order to apply to the output.</td>
</tr>
<tr>
<td>SearchFilter</td>
<td>Search type.</td>
</tr>
</tbody>
</table>

Description

Returns the details of all templates.

Privilege

VIEW

HTTP response codes

200

Example

Input:

```
"@odata.context": "/api/$metadata#Collection(TemplateService.Template)",
"@odata.count": 8,
"value": [
  
  
  "@odata.id": "/api/TemplateService/Templates(1)",
  "Id": 1,
  "Name": "iDRAC 13G Enable HPC Profile ",
  "Description": "Tune workload for High Performance Computing Environment",
  "SourceDeviceId": 0,
  "TypeId": 2,
  "ViewTypeId": 4,
  "TaskId": 0,
  "HasIdentityAttributes": false,
  "Status": 0,
  "IdentityPoolId": 0,
  "IsBuiltIn": true,
  "CreatedBy": "system",
  "CreationTime": "2017-11-30 19:02:11.200378",
  "LastUpdatedBy": null,
```
"LastUpdatedTime": "2017-11-30 19:02:11.200378",
"Views":
[
  {
    "@odata.id": "/api/TemplateService/Templates(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",
    "CreationTime": "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"}
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>
<thead>
<tr>
<th>Table 82. Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Attribute</strong></td>
</tr>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Attribute</td>
</tr>
<tr>
<td>-----------------</td>
</tr>
<tr>
<td>Description</td>
</tr>
<tr>
<td>TypId</td>
</tr>
<tr>
<td>ViewTypId</td>
</tr>
<tr>
<td>SourceDeviceId</td>
</tr>
<tr>
<td>Fqdds</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

**POST method for IOA Templates**

This method creates an IOA template.

**Description**

Creates an IOA template.

**Privilege**

TEMPLATE_MANAGEMENT

**HTTP response codes**

201

**Example**

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

**Table 83. Attributes**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Template name</td>
</tr>
<tr>
<td>TypId</td>
<td>Template type. For more information, see /TemplateService/TemplateTypes.</td>
</tr>
<tr>
<td>ViewTypId</td>
<td>Template View type. For more information, see /TemplateService/TemplateViewTypes.</td>
</tr>
<tr>
<td>SourceDeviceId</td>
<td>The identifier of the device—the reference device—from which a template is to be created.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| Fqdds    | The FQDDs to copy from the reference device, as a comma-separated string. Possible values are:  
  - iDRAC  
  - System  
  - BIOS  
  - NIC  
  - LifeCycleController  
  - RAID  
  - EventFilters  
  - All  
  To get the entire device configuration, use All. |

/api/TemplateService/Templates(Id)

This URI represents a specific template.

**GET method for Templates(Id)**

This method returns the details of a specific template.

**Description**

Returns the details of a specific template.

**Privilege**

VIEW

**HTTP response codes**

200

**Example**

Input:

Output:

```json
{
   "@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>
<thead>
<tr>
<th>Table 84. Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attribute</td>
</tr>
<tr>
<td>Id</td>
</tr>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Attribute</td>
</tr>
<tr>
<td>---------------------------</td>
</tr>
<tr>
<td>Description</td>
</tr>
<tr>
<td>SourceDeviceId</td>
</tr>
<tr>
<td>Typeld</td>
</tr>
<tr>
<td>ViewTypeld</td>
</tr>
<tr>
<td>TaskId</td>
</tr>
<tr>
<td>HasIdentityAttributes</td>
</tr>
<tr>
<td>Status</td>
</tr>
<tr>
<td>IdentityPoolId</td>
</tr>
<tr>
<td>IsBuiltIn</td>
</tr>
<tr>
<td>CreatedBy</td>
</tr>
<tr>
<td>CreationTime</td>
</tr>
<tr>
<td>Last UpdatedBy</td>
</tr>
<tr>
<td>LastUpdatedTime</td>
</tr>
</tbody>
</table>

**PUT method for Templates(Id)**

This method updates a template.

**Description**
Updates a specific template.

**Privilege**
DEVICE_CONFIGURATION

**HTTP response codes**
200

**Example**

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

Output:
ID of the template
```

Example to update a compliance template attributes

```json
Input:
{
  "Id": 12,
  "Name": "Example Compliance Template",
  "Attributes":
  [
    {
      "Id": 3592,
      "Value": "Test OS Name",
      "IsIgnored": false
    }
  ]
}
```
Table 85. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>Template ID</td>
</tr>
<tr>
<td>Name</td>
<td>Template Name</td>
</tr>
<tr>
<td>Description</td>
<td>Definition for the template</td>
</tr>
<tr>
<td>Attribute Id</td>
<td>Attribute Id</td>
</tr>
<tr>
<td>Value</td>
<td>Status of the Value attribute</td>
</tr>
<tr>
<td>IsIgnored</td>
<td>Whether the attribute id Ignored or Not</td>
</tr>
</tbody>
</table>

DELETE method for Templates(Id)

This method deletes a template.

Description: Deletes a specific template.

Privilege: DEVICE_CONFIGURATION

HTTP response codes: 204

Example:

**Input:**

**Output:**

api/TemplateService/Templates(26)

This URL represents the template configuration content.

GET method for Templates(26)

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

Privilege: VIEW

HTTP response codes: 200

Example:

**Output:**

```json
{
    "@odata.context": "/api/$metadata#TemplateService.Template/$entity",
    "@odata.type": "#TemplateService.Template",
    "@odata.id": "/api/TemplateService/Templates(10)",
    "Id": 10,
    "Name": "Switch-FJM0Y42",
    "Description": null,
    "Content": "#!/Cloning Header Start
#ReleasePlatform XL
#ReleaseVersion 9-14(0-30)
#ReleaseSize 48140985
#ReleaseTime Jun 19 2018 01:29:05
#Service-Tag FJM0Y42
#Serial-Number CN2829865N0013
#FCPortsPresent FALSE
#QuadPortsPresent 33 37 49 53
#Primary Ethernet Mode standalone
#CheckSum 4fd3e503f1df86f419aecd39c236d21
Cloning Header End

# Version 9-14(0-30)

boot system stack-unit 0
primary system: A:
boot system stack-unit 0 secondary system: B:
boot system gateway 100.100.230.1
hostname Dell
protocol lldp
redundancy auto-synchronize full

enable password 7 b125455cf679b208f1e9d96eea0cd684
username root
"
```
Configure
Table 86. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique identifier for referencing a template.</td>
</tr>
<tr>
<td>Name</td>
<td>Template name.</td>
</tr>
<tr>
<td>Description</td>
<td>Definition for the template.</td>
</tr>
<tr>
<td>SourceDeviceId</td>
<td>The identifier of the device whose configuration was used as a reference for creating the template.</td>
</tr>
<tr>
<td>TypeId</td>
<td>Template type. For more information, see /TemplateService/TemplateTypes.</td>
</tr>
<tr>
<td>ViewTypeId</td>
<td>Template View type. For more information, see /TemplateService/TemplateViewTypes.</td>
</tr>
<tr>
<td>TaskId</td>
<td>The identifier of the task that created the template.</td>
</tr>
<tr>
<td>HasIdentityAttributes</td>
<td>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.</td>
</tr>
<tr>
<td>Status</td>
<td>Status of the action.</td>
</tr>
<tr>
<td>IdentityPoolId</td>
<td>The ID of the identity pool associated with the template. If an identity pool is not associated, this value is 0.</td>
</tr>
<tr>
<td>IsBuiltIn</td>
<td>Indicates whether the template is a preinstalled template or customer-defined.</td>
</tr>
<tr>
<td>CreatedBy</td>
<td>The name of the user who created the template.</td>
</tr>
<tr>
<td>CreationTime</td>
<td>Timestamp indicating when this template was created.</td>
</tr>
<tr>
<td>LastUpdatedBy</td>
<td>The name of the user who last modified this template.</td>
</tr>
<tr>
<td>LastUpdatedTime</td>
<td>Timestamp indicating when this template was last modified.</td>
</tr>
</tbody>
</table>

/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
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:

```json
{
  "@odata.context": "/api/TemplateService/AttributeViewCollection",
  "@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"
      },
      "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"
      },
      "DeviceAttributeViewDetails@odata.navigationLink": "/api/TemplateService/Templates(1)/Views(2)/DeviceAttributeViewDetails"
    }
  ]
}
```
Table 87. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique identifier for a template view.</td>
</tr>
<tr>
<td>Name</td>
<td>The name of the view.</td>
</tr>
<tr>
<td>Description</td>
<td>Identifies the template data and its structure provided by this view.</td>
</tr>
</tbody>
</table>

/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:

```
{
  "@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
      }
    ]
  }
]
Table 88. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AttributeId</td>
<td>Unique identifier for an attribute.</td>
</tr>
<tr>
<td>AttributeEditInfoId</td>
<td>Identifier for editing-related info for the attribute.</td>
</tr>
</tbody>
</table>

Configure 139
**Attribute** | **Description**
--- | ---
DisplayName | Text for displaying the name of the attribute.
Description | Attribute definition.
Value | The current value for the attribute.
IsReadOnly | Indicates whether the attribute value can be modified.
IsIgnored | Indicates whether the attribute should be ignored or included when the template is deployed to another device. True indicates ignore - do not deploy.

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

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

**GET method for TemplateEditInfoDetails**

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

**Description**

Returns the editable attributes of a view of a template.

**Privilege**

VIEW

**HTTP response codes**

200

**Example**

Input:

```
{
  "@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": 140
    }
  ]
}
```

Output:

```
```
"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
}
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**:

  ```json
  { "@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 } ] } ] } ] } ] } ] }
  ```

- **Output**:

  ```json
  { "@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 } ] } ] } ] } ] } ] }
  ```
"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": [],
  "Attributes": []
},
{ "GroupNameId": 2,
  "DisplayLine": "Port ",
  "SubAttributeGroups": [],
  "Attributes": []
},
{ "GroupNameId": 2,
  "DisplayLine": "Port ",
  "SubAttributeGroups": [],
  "Attributes": []
}
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
    }
  ]
},
"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,
This URI represents the IOA device-specific attributes for a view of a template.

**GET method for DeviceAttributeViewDetails(10176)**

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

**Privilege**
VIEW

**HTTP response codes**
200

**Example**

Output:
```json
{
   "@odata.context": "/api/$metadata#TemplateService.DeviceAttributeView/$entity",
   "@odata.type": ">#TemplateService.DeviceAttributeView",
   "@odata.id": "/api/TemplateService/Templates(26)/Views(9)/DeviceAttributeViewDetails(10176)",
   "Id": 9,
   "Name": "SystemIoaDeploySpecific",
   "Description": "Hierarchy of attributes, with component classes and groups, containing boot settings for IOA.Virtual components.",
   "AttributeGroups": [
   {
      "GroupNameId": 0,
      "DisplayName": "Miscellaneous Attributes",
      "Attributes": [
      {
         "AttributeId": 18968,
         "CustomId": 0,
         "AttributeEditInfoId": 0,
         "DisplayName": "IOA.Hostname",
         "Value": "dell-lex-c3",
         "IsReadOnly": false,
         "IsIgnored": false
      }
   ]
   }
}
```
This URI represents the profiles.

### GET method for Profiles

This method returns the list of available profiles.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns list of profiles.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

**Input:**

```json
{}
```

**Output:**

```json
{
  "@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(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)",
    }
  ]
}
```

This URI represents a specific profile.

### GET method for Profiles(Id)

This method returns the details of a specific profile.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns details of a specific profile.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
</tbody>
</table>
HTTP response codes

Example

Input:

Output:

```
{
    "@odata.context": "/api/$metadata#TemplateService.Profile/$entity",
    "@odata.type": "+TemplateService.Profile",
    "@odata.id": "/api/TemplateService/Profiles(44)",
    "Id": 44,
    "ProfileName": "Slot3",
    "SourceTemplateId": 30,
    "AssociatedEntityId": 25580,
    "AssociationType": 1,
    "Status": 3,
    "CreatedBy": "root",
    "CreationTime": "2018-09-10 06:15:11.535552",
    "LastUpdatedBy": null,
    "LastUpdatedTime": "2018-09-10 06:06:44.078863"
}
```

/api/TemplateService/Actions/
TemplateService.AssignIdentities

POST method for TemplateService.AssignIdentities

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

**Description**

Reserves virtual identities for target devices.

**Privilege**

TEMPLATE_MANAGEMENT

**HTTP response codes**

200

Example

Input:

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

Output:

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

/api/TemplateService/Actions/
TemplateService.GetAssignedIdentities

POST method for TemplateService.GetAssignedIdentities

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

**Description**

Returns a list of virtual identities for a specific target device.
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": [],
      "Attributes": [
        {
          "GroupNameId": 3001,
          "DisplayName": "Integrated NIC 1",
          "SubAttributeGroups": [],
          "Attributes": [
            {
              "GroupNameId": 1,
              "DisplayName": "Port",
              "SubAttributeGroups": [],
              "Attributes": [
                {
                  "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
                    }
                  ]
                }
              ]
            }
          ]
        }
      ]
    }
  ]
}
/api/TemplateService/Actions/TemplateService.DetachProfile

**POST method for TemplateService.DetachProfile**

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

**Description**
Disassociates a profile from a specific device.

**Privilege**
TEMPLATE_MANAGEMENT

**HTTP response codes**
200

**Example**

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

---

/configure

/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,
    <Component FQDD="LifecycleController.Embedded.1">
        <Attribute Name="LCAttributes.1#VirtualAddressManagementApplication"/>
        <Attribute Name="LCAttributes.1#VirtualAddressManagement">Console</Attribute>
        <Attribute Name="LCAttributes.1#ProvisioningServer"/>
        <Attribute Name="LCAttributes.1#PartFirmwareUpdate">Match firmware of replaced part</Attribute>
        <Attribute Name="LCAttributes.1#PartConfigurationUpdate">Apply always</Attribute>
        <Attribute Name="LCAttributes.1#IPChangeNotifyPS">Off</Attribute>
        <Attribute Name="LCAttributes.1#CollectSystemInventoryOnRestart">false</Attribute>
        <Attribute Name="LCAttributes.1#CollectSystemInventoryOnRestart">disabled</Attribute>
        <Attribute Name="LCAttributes.1#AutoBackup">disabled</Attribute>
    </Component>
</SystemConfiguration>
```

"ContentType": "xml"
/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:

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

Output:

ID of the imported template

---

POST method for TemplateService.Import of IOA deployment

**Description**

This method imports the IOA template.

**Privilege**

TEMPLATE_MANAGEMENT

**HTTP response codes**

200

**Example**

Input:

```json
{
    "Name": "Import Test - IOA",
    "Type": 3,
    "Content": "!
Cloning Header Start
!
ReleasePlatform XL
!ReleaseVersion 9-14(0-30)
!ReleaseSize 4810985
!ReleaseTime Jun 19 2018 01:29:05
!OPTM0 10GBASE-T
!Service-Tag FJMY42
!Serial-Number CN282865N0013
!ECPortsPresent FALSE
!QuadPortsPresent 33 37 49 53
!IOM-Mode standalone
!CheckSum 4fd3e5034d1d86f419aecd36c3ed21
!
Cloning Header End
!
Version 9-14(0-30)
!
boot system stack-unit 0 primary system: A:
boot system stack-unit 0 secondary system: B:
boot system stack-unit 0 default system: B:
!
hostname Dell
!
protocol lldp
!
redundancy auto-synchronize full
!
username root password 7 b125455c79e2b08e5f9e2d3e0c68b4
!
stack-unit 0 provision I/O-Aggregator
!
interface TenGigabitEthernet 0/1
auto vlan
!
interface TenGigabitEthernet 0/2
auto vlan
!
interface TenGigabitEthernet 0/3
auto vlan
!
interface TenGigabitEthernet 0/4
auto vlan
!
interface TenGigabitEthernet 0/5
auto vlan
!
interface TenGigabitEthernet 0/6
auto vlan
!
interface TenGigabitEthernet 0/7
auto vlan
!
interface TenGigabitEthernet 0/8
auto vlan
!
interface TenGigabitEthernet 0/9
auto vlan
!
interface TenGigabitEthernet 0/10
auto vlan
!
interface TenGigabitEthernet 0/11
auto
```
Configure

POST method for TemplateService.Deploy

This method creates a template-deployment job.

Description

Creates a template-deployment job.

Privilege

DEVICE_CONFIGURATION

HTTP response codes

200
Example

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

Output:
ID of created task

POST method for TemplateService.Deploy of IOA deployment

This method creates an IOA template-deployment job.

Description
Creates a IOA template-deployment job.

Privilege
TEMPLATE_MANAGEMENT

HTTP response codes
200

Example

Input:
{
  "Id": 10,
  "TargetIds": [10173,10175],
  "Attributes": [
    {
      "DeviceId": "10173",
      "Attributes": [
        {
          "Id": 18968,
          "Value": "hostname-1",
          "IsIgnored": false
        }
      ]
    },
    {
      "DeviceId": "18968",
      "Attributes": [
        {
          "Id": 9000,
          "Value": "hostname-2",
          "IsIgnored": false
        }
      ]
    }
  ]
}
/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
        }
      ]
    }
  ]
}
Configure 157
/api/TemplateService/Actions/
TemplateService.RemoveBaseline

POST method for TemplateService.RemoveBaseline

<table>
<thead>
<tr>
<th>Description</th>
<th>This method removes the compliance baseline.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>TEMPLATE_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

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

/api/TemplateService/Actions/
TemplateService.Remediate

POST method for TemplateService.Remediate

<table>
<thead>
<tr>
<th>Description</th>
<th>This method ensures that the device is compliant to a baseline.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>TEMPLATE_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

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

/api/TemplateService/Actions/
TemplateService.MigrateProfile

POST method for TemplateService.MigrateProfile

<table>
<thead>
<tr>
<th>Description</th>
<th>This method migrates a profile from one server to another.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>TEMPLATE_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

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

/api/IdentityPoolService/IdentityPools

This URI represents the identity pools.

GET method for IdentityPools

This method returns the details of all identity pools.

Description

Returns identity pools.

Privilege

VIEW

HTTP response codes

200

Example

Input:

Output:

```json
{
    "@odata.context": "/api/$metadata#Collection(IdentityPoolService.IdentityPool)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#IdentityPoolService.IdentityPool",
            "@odata.id": "/api/IdentityPoolService/IdentityPools(1)",
            "Id": 1,
            "Name": "Pool 1",
            "Description": "This is Pool 1",
            "CreatedBy": "admin",
            "CreationTime": "2018-09-06 16:41:47.612624",
            "LastUpdatedBy": "admin",
            "LastUpdateTime": "2018-09-06 16:41:47.612624",
            "EthernetSettings": {
                "Mac": {
                    "IdentityCount": 200,
                    "StartingMacAddress": "EBAQEBAB"
                }
            },
            "IscsiSettings": {
                "Mac": {
                    "IdentityCount": 220,
                    "StartingMacAddress": "EhISEhIB"
                },
                "InitiatorConfig": {
                    "IqnPrefix": "iqn.pool1."
                },
                "InitiatorIpPoolSettings": {
                    "IpRange": "15.15.15.0/24",
                    "SubnetMask": "255.255.255.0",
                    "Gateway": null,
                    "PrimaryDnsServer": null,
                    "SecondaryDnsServer": null
                }
            },
            "FcoeSettings": {
                "Mac": {
                    Configure 159
```
"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"
}
}
},
"FcsSettings":
{
"Wnnn":

POST method for IdentityPools

This method creates an identity pool.

**Description**

Creates an identity pool.

**Privilege**

TEMPLATE_MANAGEMENT

**HTTP response codes**

200

**Example**

Input:

```json
{
    "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":
```
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a specific identity pool.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response</td>
<td>200</td>
</tr>
<tr>
<td>codes</td>
<td></td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:

```
{
    "@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"
        }
    }
}
```

Output:

```
{
    "IdentityCount": 85,
    "StartingAddress": "IAGAgICAgAA="
}
```
"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="
    }
  }
}
Table 89. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>Iopool Id</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the Iopool</td>
</tr>
<tr>
<td>Description</td>
<td>Definition for the Iopool</td>
</tr>
</tbody>
</table>

EthemetSettings - MAC

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IdentityCount</td>
<td>Number of Identities</td>
</tr>
<tr>
<td>Starting MAC address</td>
<td>Initial MAC Address</td>
</tr>
</tbody>
</table>

FcSettings

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WWPN</td>
<td>worldwide port names</td>
</tr>
<tr>
<td>IdentityCount</td>
<td>IdentityCount</td>
</tr>
<tr>
<td>Starting WWPN address</td>
<td>Initial WWPN Address</td>
</tr>
<tr>
<td>WWNN</td>
<td>worldwide Node names</td>
</tr>
<tr>
<td>Starting WWNN address</td>
<td>Initial WWNN Address</td>
</tr>
</tbody>
</table>

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 |
**/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Privilege</th>
<th>HTTP response codes</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Returns the usage identity sets.</td>
<td>VIEW</td>
<td>200</td>
<td>Input:</td>
</tr>
</tbody>
</table>
/api/IdentityPoolService/IdentityPools(4)/UsageIdentitySets

This URI represents a specific usage identity set.

GET method for UsageIdentitySets(1d)

This method returns a specific usage identity set.

Description
Returns a usage identity set.

Privilege
VIEW

HTTP response codes
200

Example

Input:

Output:

```json
{
  "@odata.context": "/$metadata#IdentityPoolService.UsageIdentitySet/
```
/api/IdentityPoolService/IdentityPools(Id)/UsagelIdentitySets(Id)/Details

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

GET method for Details of UsagelIdentitySets(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:

```json
{
  "@odata.context": "/api/IdentityPoolService.UsageIdentitySet",
  "@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"
}
```
"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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns identity states.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:
```
{
  "$odata.context": "/api/$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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Rights</th>
<th>HTTP response codes</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Returns a specific identity state.</td>
<td>VIEW</td>
<td>200</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Output:</td>
</tr>
</tbody>
</table>

/api/IdentityPoolService/Actions/IdentityPoolService.DeleteIdentityPools

**POST method for IdentityPoolService.DeleteIdentityPools**

This method deletes identity pools.

<table>
<thead>
<tr>
<th>Description</th>
<th>Rights</th>
<th>HTTP response codes</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deletes identity pools.</td>
<td>TEMPLATE_MANAGEMENT</td>
<td>200</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>{ &quot;IdentityPoolIds&quot;: [1,3,4]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>

**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.
This URI represents the logical networks.

GET method for Networks

This method returns a list of available logical networks.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a list of available logical networks.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

Output:

```
{
  "@odata.context": "/api/NetworkConfigurationService/Networks",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/NetworkConfigurationService/Networks(42214)",
      "Id": 42214,
      "Name": "Network-1",
      "Description": "",
      "VlanMaximum": 3,
      "VlanMinimum": 3,
      "Type": 1,
      "CreatedBy": "root",
      "CreationTime": "1970-01-01 01:01:48.181",
      "UpdatedBy": null,
      "UpdatedTime": "1970-01-01 01:01:48.181",
      "InternalRefNWUUId": 0
    },
    {
      "@odata.id": "/api/NetworkConfigurationService/Networks(42414)",
      "Id": 42414,
      "Name": "Network-3",
      "Description": null,
      "VlanMaximum": 9,
      "VlanMinimum": 9,
      "Type": 8,
      "CreatedBy": "root",
      "CreationTime": "1970-01-01 01:02:29.628",
      "UpdatedBy": null,
      "UpdatedTime": "1970-01-01 01:02:29.628",
      "InternalRefNWUUId": 0
    }
  ]
}
```

Table 90. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique identifier of the network.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the network.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the network.</td>
</tr>
<tr>
<td>VlanMaximum</td>
<td>VLan can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both VlanMaximum and VlanMinimum.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>VlanMinimum</td>
<td>VLAN can be defined as either a range or a single value. If a single value is defined, the same value is assigned to both VlanMaximum and VlanMinimum.</td>
</tr>
<tr>
<td>Type</td>
<td>Network type. For more information, see the details of other URIs of this resource.</td>
</tr>
<tr>
<td>CreatedBy</td>
<td>The user who created the network.</td>
</tr>
<tr>
<td>CreationTime</td>
<td>Date and time when the network was created.</td>
</tr>
<tr>
<td>UpdatedBy</td>
<td>The user who last updated the network.</td>
</tr>
<tr>
<td>UpdatedTime</td>
<td>Date and time when the network was last updated.</td>
</tr>
<tr>
<td>InternalRefId</td>
<td>Reference ID used for internal purposes.</td>
</tr>
</tbody>
</table>

**POST method for Networks**

This method creates a network.

- **Description**: Creates a network.
- **Privilege**: TEMPLATE_MANAGEMENT
- **HTTP response codes**: 201

**Example**

Input:

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

Output:

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

**/api/NetworkConfigurationService/Networks(Id)**

This URI represents a specific network within the collection.

**GET method for Networks(Id)**

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

- **Description**: Returns the details of a specific network.
- **Privilege**: VIEW
HTTP response codes

Example

Input:

```
{
  "@odata.context": "/api/$metadata#NetworkConfigurationService.Network/$entity",
  "@odata.id": "/api/NetworkConfigurationService/Networks(42214)",
  "Id": 42214,
  "Name": "Network-1",
  "Description": "abc",
  "VlanMaximum": 3,
  "VlanMinimum": 3,
  "Type": 1,
  "CreatedBy": "root",
  "CreationTime": "1970-01-01 01:01:48.181",
  "UpdatedBy": null,
  "UpdatedTime": "1970-01-01 01:01:48.181",
  "InternalRefNWUUId": 0
}
```

PUT method for Networks(Id)

This method updates an existing network.

Description
Updates a network.

Privilege
TEMPLATE_MANAGEMENT

HTTP response codes

Example

Input:

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

Output:

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

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>The identifier of the target network profile.</td>
</tr>
<tr>
<td>Name</td>
<td>The target network profile name.</td>
</tr>
<tr>
<td>Description</td>
<td>The target network profile description.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------</td>
</tr>
<tr>
<td>VlanMaximum</td>
<td>Maximum VLAN value, when a network profile is defined as a range.</td>
</tr>
<tr>
<td>VlanMinimum</td>
<td>Minimum VLAN value, when a network profile is defined as a range. <strong>NOTE:</strong> To define a profile which is not in a range, the VlanMaximum and VlanMinimum need to be same.</td>
</tr>
<tr>
<td>Type</td>
<td>Network profile definition type. For more information, see /api/NetworkConfigurationService/NetworkTypes.</td>
</tr>
</tbody>
</table>

**DELETE method for Networks(Id)**

This method deletes a network from the system.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes a network.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>TEMPLATE_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a list of network types.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input:

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

Table 92. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the network.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the network type.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the network type.</td>
</tr>
<tr>
<td>VendorCode</td>
<td>The vendor code for each network type.</td>
</tr>
<tr>
<td>NetworkTrafficType</td>
<td>Network traffic types. Possible values are Ethernet and FCoE.</td>
</tr>
<tr>
<td>QosType</td>
<td>The type of quality-of-service (QoS).</td>
</tr>
</tbody>
</table>

/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.

Example
Privilege
HTTP response codes
Example

Input:
Output:
{"@odata.context": "/api/$metadata#Collection(NetworkConfigurationService.QosType)", "@odata.count": 4, "value": [
  {
    "@odata.id": "/api/NetworkConfigurationService/QosTypes(1)",
    "Id": 1,
    "Name": "Platinum"
  },
  ..
  {
    "@odata.id": "/api/NetworkConfigurationService/QosTypes(4)",
    "Id": 4,
    "Name": "Bronze"
  }
]
}

Table 93. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the QoS type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the QoS type.</td>
</tr>
</tbody>
</table>

/ 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
Privilege
HTTP response codes
Example

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

/api/DeviceService

This URI represents the device services.

GET method for DeviceService

This method returns a list of all the device services.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a list of device services.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

Output:

```json
{
  "@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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a list of all the devices.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

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",
```

178 Devices
/api/DeviceService/Devices(\d+)

This URI represents a specific device within the collection.

GET method for Devices(\d+)

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:
{ "@odata.context": "$metadata#Collection(DeviceService.Device)" , "@odata.count": 5 , "value": [ { "@odata.id": "/api/DeviceService/Devices(3315)" , "Id": 3315 , "Type": 1000 , "Identifier": "SVCTG06" , "DeviceServiceTag": "SVCTG06" , "ChassisServiceTag": "SKY0028" , "Model": "PowerEdge MX740c" , "PowerState": 18 , "ManagedState": 5000 , "Status": 1000 , "ConnectionState": false , "AssetTag": null , "SystemId": 1893 , "DeviceName": "WIN-02GODDHDJTC" , "LastInventoryTime": "2017-09-05 09:00:11.186" , "LastStatusTime": "2017-09-06 08:30:06.730" , "DeviceCapabilities": [ 32 , 1 , 2 , 3 ] } ] }
4, 7, 8, 9, 41, 11, 12, 13, 14, 15, 16, 17, 30, 31

"Actions": null,
"DeviceSubscription": null,
"DeviceSpecificData": null,
"SlotConfiguration": {
  "ChassisId": "4165",
  "SlotNumber": "6",
  "SledBlockPowerOn": "None blocking",
  "ChassisName": "GUI PT",
  "SlotName": "Sled-6",
  "ChassisServiceTag": "SKY0028",
  "SlotType": "2000"
},
"DeviceManagement": [
  {
    "ManagementId": 5003,
    "NetworkAddress": "xx.xx.xx.xx",
    "ManagementType": 2,
    "InstrumentationName": "WIN-02GODDHDJTC",
    "DnsName": "iDRAC-SVCTG06",
    "ManagementProfile": [
      {
        "ManagementProfileId": 5003,
        "ManagementId": 5003,
        "AgentName": "iDRAC",
        "Version": "1.20.20.20",
        "ManagementURL": "https://[IP Address]",
        "Status": 1000,
        "StatusDateTime": "2017-09-05 04:46:57.807"
      }
    ]
  }
],
"InventoryDetails": [
  {
    "@odata.id": "/api/DeviceService/Devices(3315)/InventoryDetails"
  }
],
"HardwareLogs": [
  {
    "@odata.id": "/api/DeviceService/Devices(3315)/HardwareLogs"
  }
],
"SubSystemHealth": [
  {
    "@odata.id": "/api/DeviceService/Devices(3315)/SubSystemHealth"
  }
],
"RecentActivity": [
  {
    "@odata.id": "/api/DeviceService/Devices(3315)/RecentActivity"
  }
],
"InventoryTypes": [
  {
    "@odata.id": "/api/DeviceService/Devices(3315)/InventoryTypes"
  }
]
/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:

{ "@odata.context": "$metadata#Collection(DeviceService.InventoryDetail)", "@odata.count": 18, "value": [ { "@odata.id": "/api/DeviceService/Devices(3315)/InventoryDetails(InventoryType=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": [
"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"
  }
}
"InventoryType": "deviceLocation",
"InventoryInfo": [
  {
    "Id": 19,
    "Rack": "78",
    "Aisle": "Lakeln",
    "Datacenter": "AlladiaAnoop"
  }
],

"@odata.id": "/api/DeviceService/Devices(3315)/InventoryDetails('deviceManagement')",
"InventoryType": "deviceManagement",
"InventoryInfo": [
  {
    "ManagementId": 5003,
    "IpAddress": "xx.xx.xx.xx",
    "ManagementType": {
      "Name": "PUBLIC",
      "Description": "Public Management Interface",
      "ManagementType": 2
    },
    "InstrumentationName": "WIN-02G0DHDJTC",
    "DnsName": "iDRAC-SVCTG06",
    "EndPointAgents": [
      {
        "ManagementProfileId": 5003,
        "ProfileId": ",",
        "AgentName": "iDRAC",
        "Version": "3.20.20.20",
        "ManagementURL": "https://[ IP Address ]",
        "Status": 1000,
        "StatusDateTime": 1504586817807
      }
    ]
  }
],

"@odata.id": "/api/DeviceService/Devices(3315)/InventoryDetails('deviceSoftware')",
"InventoryType": "deviceSoftware",
"InventoryInfo": [
  {
    "Version": "0",
    "InstallationDate": "2017-06-16T00:54:12Z",
    "Status": "Installed",
    "SoftwareType": "APAC",
    "ComponentId": "25806",
    "DeviceDescription": "Diagnostics",
    "InstanceId": "DCIM:INSTALLED#802__Diagnostics.Embedded.1:LC.Embedded.1"
  },
  {
    "Version": "0",
    "InstallationDate": "2017-06-16T00:54:12Z",
    "Status": "Installed",
    "SoftwareType": "APAC",
    "ComponentId": "18981",
    "DeviceDescription": "OS Drivers Pack",
    "InstanceId": "DCIM:INSTALLED#802__DriverPack.Embedded.1:LC.Embedded.1"
  },
  {
    "Version": "3.20.20.20",
    "InstallationDate": "NA",
    "Status": "Available",
    "SoftwareType": "FRM\"",
    "ComponentId": "25227",
    "DeviceDescription": "Integrated Dell Remote Access"
[131x765]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"
  }
}"

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",
      "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",
      "SoftwareType": "APAC",
      ...
    },
    {
      "Version": "0",
      "InstallationDate": "2017-07-13T00:00:00Z",
      "Status": "Installed",
      "SoftwareType": "APAC",
      ...
    },
    {
      "Version": "0.2.5",
      "InstallationDate": "2017-07-13T00:00:00Z",
      "Status": "Installed",
      "SoftwareType": "FRMW",
      ...
    }
  ]
}

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

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

PUT method to retrieve chassis time and alert destination settings

This method retrieves the chassis and alert destinations settings.

Description
Retrieves the chassis and alert destinations settings and applies the settings to the IOMs.

Privilege
DEVICE_CONFIGURATION

HTTP response codes
204

Example

Input:
{
  "SettingType":"ReplicableChassisConfigurations",
  "Configurations": [
    {
      "Type": "AlertDestination",
      "Replicate": true
    },
    {
      "Type": "TimeConfigurations",
      "Replicate": true
    }
  ]
}
Table 94. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SettingType</td>
<td>Defines the setting type that must be applied. The setting here is, &quot;ReplicableChassisConfigurations&quot;</td>
</tr>
<tr>
<td>Configurations</td>
<td>Defines the configuration you want to apply. The Configurations attribute requires the Type and Replicate flag.</td>
</tr>
<tr>
<td>Type</td>
<td>The configuration you want to apply. The Type attribute supports &quot;AlertDestination&quot; or &quot;TimeConfigurations&quot;.</td>
</tr>
<tr>
<td>Replicate</td>
<td>Boolean flag to determine if you prefer to set the configuration or not.</td>
</tr>
</tbody>
</table>

/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:
```
{
    "@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."
        },
        {
            "LogTimestamp": "20170907060147.000000-300",
            "LogSequenceNumber": 286449,
            "LogSeverity": 1000,
            "LogComment": "[set comment here]",
            "LogMessageId": "LOG007",
            "LogMessage": "The previous log entry was repeated 1 times."
        },
        {
            "LogTimestamp": "20170907060147.000000-300",
            "LogSequenceNumber": 286448,
            "LogSeverity": 1000,
            "LogComment": "[set comment here]",
            "LogMessageId": "LOG007",
            "LogMessage": "The previous log entry was repeated 1 times."
        }
    ]
}
```

Output:
NA
/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:
{
  "$@odata.context": "@odata.context",
  "$@odata.count": 8,
  "value": [
    {
      "SubSystem": "System",
      "RollupStatus": "1000"
    },
    {
      "SubSystem": "SEL/Misc",
      "RollupStatus": "2000"
    },
    {
      "SubSystem": "Battery",
      "RollupStatus": "1000"
    },
    {
      "SubSystem": "Voltage",
      "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:

```json
{  
  "@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.\nExecution 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:

```json
{
   "@odata.context": "$metadata#DeviceService.InventoryTypes/$entity",
   "@odata.id": "/api/DeviceService/Devices(3265)/InventoryTypes",
   "InventoryTypes": [ 
      "serverDeviceCards",
      "serverProcessors",
      "serverNetworkInterfaces",
      "serverOperatingSystems",
      "serverVirtualFlashes",
      "serverPowerSupplies",
      "serverArrayDisks",
      "serverRaidControllers",
      "serverMemoryDevices",
      "serverArrayDisks",
      "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')
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:**

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

Example for network settings for Chassis

**Input:**

**Output:**

```json
{
    "@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,
        "StaticPreferredDNSServerAddresses": ",",
```

Devices  199
"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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Updates attributes under a specific setting type.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>DEVICE_CONFIGURATION</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Example for network settings for IOM

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

Example for network settings for Chassis

Input:
{
  "@odata.context": "/api/$metadata#DeviceService.DeviceSetting/$entity",
  "@odata.type": "#DeviceService.DeviceSetting",
  "@odata.id": "/api/DeviceService/Devices(25037)/Settings('Network')",
  "SettingType": "Network",
  "MgmtVLANId": "1",
  "EnableVLAN": false,
  "Ipv4Settings": {
    "EnableIPv4": true,
    "EnableDHCP": true,
    "StaticIPAddress": "",
    "StaticSubnetMask": "",
    "StaticGateway": "",
    "UseDHCPObtainDNSServerAddresses": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "Ipv6Settings": {
    "EnableIPv6": false,
    "EnableAutoconfiguration": true,
    "StaticIPv6Address": "",
    "StaticPrefixLength": "0",
    "StaticGateway": "",
    "UseDHCPv6ObtainDNSServerAddresses": true,
    "StaticPreferredDNSServer": "",
    "StaticAlternateDNSServer": ""
  },
  "GeneralSettings": {
    "EnableNIC": true,
    "RegisterDNS": false,
    "DnsName": "MX7000",
    "UseDHCPForDomainName": false,
    "UseDHCP": true
  }
}
"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:

```json
{
}
```
/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:

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

```json
{
"@odata.context": "$metadata#DeviceService.PowerResponseModel/$entity",
"@odata.id": "/api/DeviceService/Devices(3265)/Power",
"avgPower": "0",
"systemEnergyConsumptionUnit": "kilowatt-hour",
"systemEnergyConsumptionTimeStamp": "20170907071147.450000-300",
"instantaneousTemperatureUnit"}
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the slot details of a specific device.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

**Input:**

```
{
    "@odata.context": "$metadata#Collection(DeviceService.DeviceBladeSlots)",
    "@odata.count": 2,
    "value": [
    
    
    ]
```

**Output:**

```
{
    "DeviceType": 1000,
    "AllowStorageAssignment": true,
    "SlotNumber": "1",
    "ServiceTag": "SVCTG01",
    "AllowSharedStorage": true,
    "HealthStatus": 4000,
    "Id": 4365,
    "SlotName": "Sled-1",
    "PowerState": 17,
    "SlotType": 2000,
    "DeviceName": "WIN-02GODHDJTC"
},

{
    "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"?>  <!-- Generator: Adobe Illustrator 19.1.0, SVG Export Plug-In . SVG Version: 6.00 Build 0) --><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">  <symbol id="_x32_.5_HDD" viewBox="-21.3 -106.7 42.5 213.3">  <g>  <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-6.6V58.2h42.5v32.7v6.6v7.8C21.3,106,20.6,106.7,19.8,106.7z"/>>  <polygon style="fill:#333333;" points="14.2,56.3 -14.2,56.3 -14.2,57.1 14.2,57.1  "/>  <polygon style="fill:#B3B3B3;" points="-18.1,58.2 -21.3,58.2 -21.3,-99.9 -18.1,-99.9  "/>  <polygon style="fill:#B3B3B3;" points="21.3,58.2 18.1,58.2 18.1,-99.9 21.3,-99.9  "/>  <polygon style="fill:#1A1A1A;" points="-14.2,44.3 14.2,44.3 14.2,57.1 -14.2,57.1  "/>  <polygon x="-4.3" y="-25.4" width="8.5" height="50.8" id="XMLID_3_" transform="matrix(1 0 0 1 -6.838 61.8476)" style="overflow:visible;"/>  <use xlink:href="#status-led-off" 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;"/> </symbol></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

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

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": "ERROR",
      "Description": "The device has error state."
    }
  ]
}
```
"Name": "CRITICAL",
"Description": "The device is in critical state."
},
{
"GlobalStatus": 5000,
"Name": "NOSTATUS",
"Description": "The device/group does not have a valid status."
}
]

/api/DeviceService/DeviceType
This URI represents the device types.

GET method for DeviceType
This method returns a list of devices types.

Description
Returns a list of devices types.

Privilege
VIEW

HTTP response codes
200

Example
Input:

Output:

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

```json
{
    "@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
                }
            ]
        },
        {
            "DeviceType": 2000,
            "TotalCount": 1,
            "DeviceStatusSummary": [
                {
                    "StatusType": 1000,
                    "Count": 0
                },
                {
                    "StatusType": 2000,
                    "Count": 0
                },
                {
                    "StatusType": 3000,
                    "Count": 0
                },
                {
                    "StatusType": 4000,
                    "Count": 1
                }
            ]
        }
    ]
}
```
"@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": 209
  }
]}
/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:

```json
{
    "@odata.context": "$metadata#Collection(DeviceService.DeviceSlotType)",
    "@odata.count": 5,
}
```
/api/DeviceService/DeviceSettingsMetadata

This URI represents the settings metadata.

GET method for DeviceSettingsMetadata

This method returns a list of device-settings metadata.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a list of settings metadata.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

```
Input:
Output:

"@odata.context": "$odata.context",
"@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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Privilege</th>
<th>HTTP response codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Returns the globally excluded ranges.</td>
<td>VIEW</td>
<td>200</td>
</tr>
</tbody>
</table>
POST method for GlobalExcludes

This method globally excludes ranges.

<table>
<thead>
<tr>
<th>Description</th>
<th>Globally excludes ranges.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>APPLIANCE_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>201</td>
</tr>
</tbody>
</table>
Example

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

Output:
True

/api/DeviceService/Actions/
DeviceService.AddNetworkRange

This URI adds ranges to the globally excluded range.

POST method for DeviceService.AddNetworkRange

This method adds ranges to global exclusion.

Description
Adds network ranges to global exclusion.

Privilege
APPLIANCE_SETUP

HTTP response codes
204

Example

Input:
{
  "Id": 0,
  "Identifier": "IPRange2",
  "DeviceType": 0,
  "GlobalExcludeDetails": [
    {
      "Id": 0,
      "NetworkAddress": "xx.xx.xx.xx-xx.xx.xx.xx"
    }
  ]
}

/api/DeviceService/Actions/
DeviceService.EditNetworkRange

This URI edits the global exclusion ranges.

POST method for DeviceService.EditNetworkRange

This method edits ranges in global exclusion.

Description
Edits ranges in global exclusion.

Privilege
APPLIANCE_SETUP

HTTP response codes
204

Example

Input:
{
  "Id": 4,
  "Identifier": "IPRange2",
  "DeviceType": 0,
  "GlobalExcludeDetails": [
    {
    }
  ]
}
/api/DeviceService/Actions/
DeviceService.RemoveFromExclusion

This URI removes ranges from Global Exclusion.

POST method for DeviceService.RemoveFromExclusion

This method removes ranges in global exclusion.

<table>
<thead>
<tr>
<th>Description</th>
<th>Removes ranges in global exclusion.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>APPLIANCE_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Validates ranges in global exclusion.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>APPLIANCE_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

```
{
    "Id": 0,
    "Identifier": "IPRange2",
    "DeviceType": 0,
    "GlobalExcludeDetails": [
        {
            "Id": 0,
            "NetworkAddress": "xx.xx.xx.xx"
        },
        {
            "Id": 0,
            "NetworkAddress": "xx.xx.xx.xx-xx.xx.xx.xx"
        },
        {
            "Id": 0,
            "NetworkAddress": "xx.xx.xx.xx"
        }
    ]
}
```
/api/DeviceService/Actions/
DeviceService.RemoveDevices

This URI deletes an array of devices.

**POST method for DeviceService.RemoveDevices**

**Description**
Deletes an array of devices.

**Privilege**
APPLIANCE_SETUP

**HTTP response codes**
204

**Example**

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Executes supported diagnostic commands. The following commands are supported:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• ping IPv4 or ping DomainName</td>
</tr>
<tr>
<td></td>
<td>• ping6 IPv6</td>
</tr>
<tr>
<td></td>
<td>• traceroute IPv4</td>
</tr>
<tr>
<td></td>
<td>• traceroute6 IPv6</td>
</tr>
<tr>
<td></td>
<td>• netstat</td>
</tr>
<tr>
<td></td>
<td>• ifconfig</td>
</tr>
<tr>
<td></td>
<td>• arp</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Privilege</th>
<th>APPLIANCE_SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

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

Output:

```
PING wwwl.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

--- wwwl.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
```
Groups

/api/GroupService/Groups

This URI represents the groups.

GET method for Groups

This method returns a list of groups.

Description
Returns a list of groups.

Privilege
VIEW

HTTP response codes
200

Example

Input:

Output:

{  "@odata.context": "$metadata#Collection(GroupService.Group)",  "@odata.count": 1,  "value": [  {"@odata.id": "/api/GroupService/Groups(64)",  "Id": 64,  "Name": "All Devices",  "Description": "Group associated to all devices.",  "GlobalStatus": 5000,  "ParentId": 0,  "CreationTime": "2017-06-08 18:48:27.069",  "UpdatedTime": "2017-06-08 21:05:01.778",  "CreatedBy": "system",  "UpdatedBy": ";",  "Visible": true,  "DefinitionId": 500,  "DefinitionDescription": "Root group for all Types of Devices.",  "TypeId": 2000,  "MembershipTypeId": 24,  "Devices": [  {"@odata.id": "/api/GroupService/Groups(64)/Devices"  }  ],  "AllLeafDevices": [  {"@odata.id": "/api/GroupService/Groups(64)/AllLeafDevices"  }  ],  "GroupHierarchy": [  {"@odata.id": "/api/GroupService/Groups(64)/GroupHierarchy"  }  ],  "SubGroups": [  {"@odata.id": "/api/GroupService/Groups(64)/SubGroups"  }  ],  "GroupDevicesSummary": [  {  }  ]}
### Table 95. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the group.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the group.</td>
</tr>
<tr>
<td>GlobalStatus</td>
<td>Global status of the group. Indicates the health of the group.</td>
</tr>
<tr>
<td>ParentId</td>
<td>Parent ID of the group. If the group is a root group, ParentId is 0.</td>
</tr>
<tr>
<td>CreationTime</td>
<td>Date and time when the group was created.</td>
</tr>
<tr>
<td>UpdatedTime</td>
<td>Date and time when the group was updated.</td>
</tr>
<tr>
<td>CreatedBy</td>
<td>User who created the group.</td>
</tr>
<tr>
<td>UpdatedBy</td>
<td>User who last updated the group.</td>
</tr>
<tr>
<td>Visible</td>
<td>Visibility of the group.</td>
</tr>
<tr>
<td>DefinitionId</td>
<td>Definition ID of the group.</td>
</tr>
<tr>
<td>DefinitionDescription</td>
<td>Definition description of the group.</td>
</tr>
<tr>
<td>Typeld</td>
<td>Group type.</td>
</tr>
<tr>
<td></td>
<td>• 1000 — Internal</td>
</tr>
<tr>
<td></td>
<td>• 2000 — Predefined</td>
</tr>
<tr>
<td></td>
<td>• 3000 — User defined</td>
</tr>
<tr>
<td></td>
<td>• 4000 — Discovery defined</td>
</tr>
<tr>
<td></td>
<td>• 5000 — MCM group</td>
</tr>
<tr>
<td>MembershipTypeld</td>
<td>Group membership type.</td>
</tr>
<tr>
<td></td>
<td>• 12 — Static</td>
</tr>
<tr>
<td></td>
<td>• 24 — Dynamic</td>
</tr>
</tbody>
</table>

### Link

<table>
<thead>
<tr>
<th>Link</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devices</td>
<td>Group link to list group devices.</td>
</tr>
<tr>
<td>AllLeafDevices</td>
<td>Group link to list all group sub groups devices.</td>
</tr>
<tr>
<td>GroupHierarchy</td>
<td>Group link to list the group hierarchy.</td>
</tr>
<tr>
<td>SubGroup</td>
<td>Group link to display the list of sub groups of this group.</td>
</tr>
<tr>
<td>GroupDevicesSummary</td>
<td>Group link to display a summary of all group devices.</td>
</tr>
</tbody>
</table>

### Table 96. Filters

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Top records to return. Default value is 100.</td>
</tr>
<tr>
<td>Skip</td>
<td>Max records to skip. Default value is 0.</td>
</tr>
<tr>
<td>Name</td>
<td>Filter by group name.</td>
</tr>
<tr>
<td>Description</td>
<td>Filter by group description.</td>
</tr>
<tr>
<td>Type</td>
<td>Filter by group type.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>MembershipType</td>
<td>Filter by group membership type.</td>
</tr>
<tr>
<td>GlobalStatus</td>
<td>Filter by group global status.</td>
</tr>
<tr>
<td>DefinitionId</td>
<td>Filter by group definition ID.</td>
</tr>
<tr>
<td>DefinitionDescription</td>
<td>Filter by group definition description.</td>
</tr>
<tr>
<td>Visible</td>
<td>Filter by group visibility.</td>
</tr>
<tr>
<td>CreatedBy</td>
<td>Filter by the entity that created the group.</td>
</tr>
<tr>
<td>UpdatedBy</td>
<td>Filter by the entity that updated the group.</td>
</tr>
<tr>
<td>CreationTimeBegin</td>
<td>Filter by the start-time when the group was created.</td>
</tr>
<tr>
<td>CreationTimeEnd</td>
<td>Filter by the end-time when the group was created.</td>
</tr>
<tr>
<td>UpdatedTimeBegin</td>
<td>Filter by the start-time when the group was updated.</td>
</tr>
<tr>
<td>UpdatedTimeEnd</td>
<td>Filter by the end-time when the group was updated.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Privilege</th>
<th>HTTP response codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Returns the details of a group</td>
<td>VIEW</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input:

```
{
"@odata.context": "$metadata#GroupService.Group/$entity",
"@odata.id": "/api/GroupService/Groups(64)",
"Id": 64,
"Name": "All Devices",
"Description": "Group associated to all devices.",
"GlobalStatus": 5000,
"ParentId": 0,
"CreationTime": "2017-06-08 18:48:27.069",
"UpdatedTime": "2017-06-08 21:15:01.746",
"CreatedBy": "system",
"UpdatedBy": ",
"Visible": true,
"DefinitionId": 500,
"DefinitionDescription": "Root group for all Types of Devices.",
"TypeId": 2000,
"MembershipTypeId": 24,
"Devices": [
  {
  "@odata.id": "/api/GroupService/Groups(64)/Devices"
  }
],
"AllLeafDevices": [
  {
  "@odata.id": "/api/GroupService/Groups(64)/AllLeafDevices"
  }
],
"GroupHierarchy": [
```
Table 97. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the group.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the group.</td>
</tr>
<tr>
<td>GlobalStatus</td>
<td>Global status of the group.</td>
</tr>
<tr>
<td>ParentId</td>
<td>Parent ID of the group. If the group is a root group, ParentId is 0.</td>
</tr>
<tr>
<td>CreationTime</td>
<td>Date and time when the group was created.</td>
</tr>
<tr>
<td>UpdatedTime</td>
<td>Date and time when the group was updated.</td>
</tr>
<tr>
<td>CreatedBy</td>
<td>User who created the group.</td>
</tr>
<tr>
<td>UpdatedBy</td>
<td>User who last updated the group.</td>
</tr>
<tr>
<td>Visible</td>
<td>Visibility of the group.</td>
</tr>
<tr>
<td>DefinitionId</td>
<td>Definition ID of the group.</td>
</tr>
<tr>
<td>DefinitionDescription</td>
<td>Definition description of the group.</td>
</tr>
<tr>
<td>TypId</td>
<td>Group type.</td>
</tr>
<tr>
<td></td>
<td>• 1000 — Internal</td>
</tr>
<tr>
<td></td>
<td>• 2000 — Predefined</td>
</tr>
<tr>
<td></td>
<td>• 3000 — User defined</td>
</tr>
<tr>
<td></td>
<td>• 4000 — Discovery defined</td>
</tr>
<tr>
<td></td>
<td>• 5000 — MCM group</td>
</tr>
</tbody>
</table>

| MembershipTypId      | Group membership type.                                       |
|                      | • 12 — Static                                               |
|                      | • 24 — Dynamic                                             |

<table>
<thead>
<tr>
<th>Link</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devices</td>
<td>Group link to list group devices.</td>
</tr>
<tr>
<td>AllLeafDevices</td>
<td>Group link to list all group sub groups devices.</td>
</tr>
<tr>
<td>GroupHierarchy</td>
<td>Group link to list the group hierarchy.</td>
</tr>
<tr>
<td>SubGroup</td>
<td>Group link to display the list of sub groups of this group.</td>
</tr>
<tr>
<td>GroupDevicesSummary</td>
<td>Group link to display a summary of all group devices.</td>
</tr>
</tbody>
</table>
PUT method for Groups(Id)

This method updates the settings of a group within the collection.

**Description**
Updates the settings of a group.

**Privilege**
DEVICE_CONFIGURATION

**HTTP response codes**
200

**Example**

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

Output:
```
{
  "Id": 1564,
  "Name": "Test Group1",
  "Description": "Test Group1",
  "TypeId": 3000,
  "MembershipTypeId": 12,
  "GlobalStatus": 5000,
  "ParentId": 0,
  "CreatedBy": "root",
  "UpdatedBy": "root",
  "CreationTime": "2017-06-08 20:14:37.252",
  "UpdatedTime": "2017-06-08 20:20:02.935",
  "Visible": true,
  "Editable": true,
  "DefinitionId": 400,
  "DefinitionDescription": ""
}
```

DELETE method for Groups(Id)

This method deletes a group from the collection.

**Description**
Deletes a group.

**Privilege**
DEVICE_CONFIGURATION

**HTTP response codes**
204

**Example**

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

Output:

**Table 98. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group to be deleted.</td>
</tr>
</tbody>
</table>
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:

```
{
    "@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://[ IP Address ]",
                "ManagementType": 2,
                "InstrumentationName": "WIN-02GODDHDJTC",
            }
        ],
    }
    ]
}
```

Output:
"DnsName": "idrac-SVCTAG",
"Status": 1000
},
{
"ManagementId": 5002,
"NetworkAddress": "xx.xx.xx.xx",
"MacAddress": "f4:8e:38:cf:15:ba",
"ManagementURL": "https://[ IP Address ]",
"ManagementType": 2,
"InstrumentationName": "WIN-02GODHDJTC",
"DnsName": "idrac-SVCTAG",
"Status": 1000
}
]
,"InventoryDetails": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/InventoryDetails"
}
],
"HardwareLogs": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/HardwareLogs"
}
],
"SubSystemHealth": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/SubSystemHealth"
}
],
"RecentActivity": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/RecentActivity"
}
],
"InventoryTypes": {

"@odata.id": "/api/DeviceService/Devices(1614)/InventoryTypes"
},
"LogSeverities": {

"@odata.id": "/api/DeviceService/Devices(1614)/LogSeverities"
},
"Settings": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/Settings"
}
],
"Temperature": {

"@odata.id": "/api/DeviceService/Devices(1614)/Temperature"
},
"Power": {

"@odata.id": "/api/DeviceService/Devices(1614)/Power"
},
"BlinkStatus": {

"@odata.id": "/api/DeviceService/Devices(1614)/BlinkStatus"
},
"PowerUsageByDevice": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/PowerUsageByDevice"
}
],
"Faults": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/Faults"
}
],
"DeviceBladeSlots": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/DeviceBladeSlots"
}
],
"GraphicInfo": [

{
"@odata.id": "/api/DeviceService/Devices(1614)/GraphicInfo"
}
]
Table 99. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group.</td>
</tr>
</tbody>
</table>

/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:

```json
{}
```

Output:

```json
{
  "@odata.context": "$metadata#Collection(GroupService.GroupDevicesSummary)",
  "@odata.count": 1,
  "value": [
    {
      "DeviceType": 1000,
      "TotalCount": 55,
      "GroupDevicesStatusSummary": [
        {
          "StatusType": 1000,
          "Count": 29
        },
        {
          "StatusType": 2000,
          "Count": 5
        },
        {
          "StatusType": 3000,
          "Count": 4
        },
        {
          "StatusType": 4000,
          "Count": 17
        },
        {
          "StatusType": 5000,
          "Count": 0
        }
      ]
    }
  ]
}
```
Table 100. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group.</td>
</tr>
</tbody>
</table>

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

This URL represents all the devices recursively for the group.

GET method for AllLeafDeviceSummaries

Description
Returns all the devices recursively for the group.

Privilege
VIEW

HTTP response codes
200

Example

Input:

Output:

```json
{
   "@odata.context": "/api/$metadata#Collection(DeviceService.DeviceMinModel)",
   "@odata.count": 3,
   "value": [
   {
      "@odata.type": "+DeviceService.DeviceMinModel",
      "@odata.id": "/api/GroupService/Groups(500)/AllLeafDeviceSummaries(10994)",
      "Id": 10994,
      "DeviceName": "WIN-8NG70S8477J",
      "Model": "PowerEdge R640",
      "Identifier": "3B130M2",
      "DeviceServiceTag": "3B130M2",
      "Type": 1000,
      "Status": 1000,
      "PowerState": 17,
      "ConnectionState": true,
      "ManagedState": 3000,
      "DeviceCapabilities": [1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 30,
```
31,
33,
41,
50,
1001,
1009
],
"DeviceManagement": [
{
 "DeviceId": 10994,
 "ManagementId": 5710,
 "NetworkAddress": "xx.xx.xx.xx",
 "MacAddress": "84:7b:eb:f4:e0:70",
 "InstrumentationName": "idrac-BBHBS02",
 "ManagementProfile": [
 {
 "ManagementProfileId": 5710,
 "ManagementId": 0,
 "AgentName": "iDRAC",
 "Version": "3.34.34.34",
 }
 ]
 },
"IpAddress": "xx.xx.xx.xx"
],
"@odata.type": "#DeviceService.DeviceMinModel",
"@odata.id": "/api/GroupService/Groups(500)/AllLeafDeviceSummaries(11003)",
"Id": 11003,
"DeviceName": "WIN-73G6VUDEP8S",
"Model": "PowerEdge T330",
"Identifier": "1SPT330",
"DeviceServiceTag": "1SPT330",
"Type": 1000,
"Status": 1000,
"PowerState": 17,
"ConnectionState": true,
"ManagedState": 3000,
"DeviceCapabilities": [
1,
2,
3,
4,
5,
6,
7,
8,
9,
12,
13,
14,
15,
18,
30,
31,
33,
41,
50,
1009
],
"DeviceManagement": [
{
 "DeviceId": 11003,
 "ManagementId": 5715,
 "NetworkAddress": "xx.xx.xx.xx",
 "MacAddress": "34:17:eb:e9:e6:c5",
 "InstrumentationName": "idrac-",
 "ManagementProfile": [

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

/api/GroupService/Groups(Id)/SubGroups

This URI represents the subgroups of a specific group.

GET method for SubGroups

This method returns the list of subgroups of a specific group.

Description
Returns the list of subgroups.

Privilege
VIEW

HTTP response codes
200

Example

Input:

Output:

{ "@odata.context": "$metadata#Collection(GroupService.Group)", "@odata.count": 1, "value": [
  
  { "@odata.id": "/api/GroupService/Groups(19164)",
    "Id": 19164,
    "Name": "Test Group2",
    "Description": "Test Group1",
    "GlobalStatus": 0,
    "ParentId": 64,
    "CreationTime": "2017-06-08 21:34:42.681",
    "UpdatedTime": "2017-06-08 21:34:42.681",
    "CreatedBy": "root",
    "UpdatedBy": "",
    "Visible": true,
    "DefinitionId": 400,
    "DefinitionDescription": "UserDefined",
    "TypeId": 3000,
    "MembershipTypeId": 12,
    "Devices": [
      { "@odata.id": "/api/GroupService/Groups(19164)/Devices" 
    }
  ],
  "AllLeafDevices": [
    { "@odata.id": "/api/GroupService/Groups(19164)/AllLeafDevices" 
  }
]
Table 101. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the group.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the group.</td>
</tr>
<tr>
<td>GlobalStatus</td>
<td>Global status of the group. Indicates the health of the group.</td>
</tr>
<tr>
<td>ParentId</td>
<td>Parent ID of the group. If the group is a root group, ParentId is 0.</td>
</tr>
<tr>
<td>CreationTime</td>
<td>Date and time when the group was created.</td>
</tr>
<tr>
<td>UpdatedTime</td>
<td>Date and time when the group was updated.</td>
</tr>
<tr>
<td>CreatedBy</td>
<td>User who created the group.</td>
</tr>
<tr>
<td>UpdatedBy</td>
<td>User who last updated the group.</td>
</tr>
<tr>
<td>Visible</td>
<td>Visibility of the group.</td>
</tr>
<tr>
<td>DefinitionId</td>
<td>Definition ID of the group.</td>
</tr>
<tr>
<td>DefinitionDescription</td>
<td>Definition description of the group.</td>
</tr>
<tr>
<td>Typeld</td>
<td>Group type.</td>
</tr>
<tr>
<td></td>
<td>- 1000 — Internal</td>
</tr>
<tr>
<td></td>
<td>- 2000 — Predefined</td>
</tr>
<tr>
<td></td>
<td>- 3000 — User defined</td>
</tr>
<tr>
<td></td>
<td>- 4000 — Discovery defined</td>
</tr>
<tr>
<td></td>
<td>- 5000 — MCM group</td>
</tr>
<tr>
<td>MembershipTypeld</td>
<td>Group membership type.</td>
</tr>
<tr>
<td></td>
<td>- 12 — Static</td>
</tr>
<tr>
<td></td>
<td>- 24 — Dynamic</td>
</tr>
<tr>
<td>Link</td>
<td>Group link to list group devices.</td>
</tr>
<tr>
<td>Devices</td>
<td>Group link to list group devices.</td>
</tr>
<tr>
<td>AllLeafDevices</td>
<td>Group link to list all group sub groups devices.</td>
</tr>
<tr>
<td>GroupHierarchy</td>
<td>Group link to list the group hierarchy.</td>
</tr>
<tr>
<td>SubGroup</td>
<td>Group link to display the list of sub groups of this group.</td>
</tr>
<tr>
<td>GroupDevicesSummary</td>
<td>Group link to display a summary of all group devices.</td>
</tr>
</tbody>
</table>
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the hierarchy of the subgroups.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

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

**Table 102. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group.</td>
</tr>
<tr>
<td>ParentGroupId</td>
<td>ID of the parent group.</td>
</tr>
<tr>
<td>ChildGroupId</td>
<td>ID of the subgroup within the group.</td>
</tr>
</tbody>
</table>

/api/GroupService/GroupTypes

This URI represents the group types.

**GET method for GroupTypes**

This method returns a list of all the group types.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns all the group types.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

```
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>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the group type.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the group type.</td>
</tr>
</tbody>
</table>

`/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Privilege</th>
<th>HTTP response codes</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Returns the details of a specific group.</td>
<td>VIEW</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

Input:

```
{
  "@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."
}
```

Output:

```

```
Table 104. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the group type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the group type.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the group type.</td>
</tr>
</tbody>
</table>

/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:

```json
{
  "@odata.context": "$metadata#Collection(GroupService.MembershipType)",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/GroupService/MembershipTypes(12)",
      "Id": 12,
      "Name": "Static",
      "Description": "Static type"
    },
    {
      "@odata.id": "/api/GroupService/MembershipTypes(24)",
      "Id": 24,
      "Name": "Dynamic",
      "Description": "Dynamic type"
    }
  ]
}
```

Table 105. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the membership type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the membership type.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the membership type.</td>
</tr>
</tbody>
</table>

234  Groups
/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:

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

**Table 106. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the membership type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the membership type.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the membership type.</td>
</tr>
</tbody>
</table>

/ 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:

```
{  
    "@odata.context": "$metadata#Collection(GroupService.GroupHierarchy)",  
    "@odata.count": 4,  
    "value": [  
        {  
            "ParentGroupId": 0,  
            "ChildGroupId": 64  
        },  
        {  
            "ParentGroupId": 0,  
            "ChildGroupId": 114  
        }  
    ]  
}
```
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:**
```json
{
  "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:**
```json
{
  "GroupIds": [<comma_separated_group_ids>]
}
```

**Output:**

```
List of privileges for the user
{
  "Privileges": [
```
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a collection of audit logs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input:

```
```

Output:

```
{
  "@odata.context": "$metadata#Collection(ApplicationService.AuditLog)",
  "@odata.count": 7,
  "value": [
    {
      "@odata.id": "/api/ApplicationService/AuditLogs(7)",
      "Id": 7,
      "Severity": "1000",
      "Message": "Successfully logged in.",
      "Category": "Audit",
      "UserName": "root",
      "IpAddress": "xx.xx.xx.xx",
      "MessageArgs": "root || xx.xx.xx.xx",
      "MessageID": "CUSR0001",
      "CreatedDate": "2017-04-26 16:13:57.880"
    },
    {
      "@odata.id": "/api/ApplicationService/AuditLogs(6)",
      "Id": 6,
      "Severity": "1000",
      "Message": "Successfully logged in.",
      "Category": "Audit",
      "UserName": "root",
      "IpAddress": "xx.xx.xx.xx",
      "MessageArgs": "root || xx.xx.xx.xx",
      "MessageID": "CUSR0001",
      "CreatedDate": "2017-04-26 16:13:19.715"
    }
  ]
}```
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."
    }]
```

**Table 107. Attributes**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Identifier of the SessionService.</td>
</tr>
<tr>
<td>Severity</td>
<td>Severity of the event or error message. Possible values are Critical, Warning, and Informational.</td>
</tr>
<tr>
<td>Message</td>
<td>Message text.</td>
</tr>
<tr>
<td>Category</td>
<td>Category of the message.</td>
</tr>
<tr>
<td>UserName</td>
<td>Authenticated user who generated the message.</td>
</tr>
<tr>
<td>IpAddress</td>
<td>IP address of the authenticated user.</td>
</tr>
<tr>
<td>MessageArgs</td>
<td>Message parameters associated with the message.</td>
</tr>
<tr>
<td>MessageID</td>
<td>Message identifier.</td>
</tr>
<tr>
<td>CreatedDate</td>
<td>Date on which the message was generated.</td>
</tr>
</tbody>
</table>
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:

```json
{
   "@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"
         }
      }
   ]
}
```
Table 108. Filters

<table>
<thead>
<tr>
<th>Filter name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Top records to return. Default value is 100.</td>
</tr>
<tr>
<td>Skip</td>
<td>Max records to skip. Default value is 0.</td>
</tr>
<tr>
<td>JobType/Id</td>
<td>Filter by job type.</td>
</tr>
<tr>
<td>JobStatus/Id</td>
<td>Filter by job status.</td>
</tr>
<tr>
<td>LastRunStatus/Id</td>
<td>Filter by last run status.</td>
</tr>
<tr>
<td>State</td>
<td>Filter by job state.</td>
</tr>
<tr>
<td>JobType/Internal</td>
<td>Filter by job internal status.</td>
</tr>
<tr>
<td>Visible</td>
<td>Filter by group visibility</td>
</tr>
<tr>
<td>NextRunBegin</td>
<td>Filter by job next run time start.</td>
</tr>
<tr>
<td>NextRunEnd</td>
<td>Filter by next run time end.</td>
</tr>
<tr>
<td>LastRunBegin</td>
<td>Filter by last run time start.</td>
</tr>
<tr>
<td>LastRunEnd</td>
<td>Filter by last run time end.</td>
</tr>
</tbody>
</table>

Table 109. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the job.</td>
</tr>
<tr>
<td>JobName</td>
<td>Name of the job.</td>
</tr>
<tr>
<td>JobDescription</td>
<td>Description of the job.</td>
</tr>
<tr>
<td>JobType</td>
<td>Type of the job.</td>
</tr>
<tr>
<td>NextRun</td>
<td>The next time when the job will be executed.</td>
</tr>
<tr>
<td>LastRun</td>
<td>The last time when the job was executed.</td>
</tr>
<tr>
<td>StartTime</td>
<td>Start time of the job.</td>
</tr>
<tr>
<td>EndTime</td>
<td>End time of the job.</td>
</tr>
<tr>
<td>Schedule</td>
<td>Job schedule (cron string).</td>
</tr>
<tr>
<td>State</td>
<td>Indicates whether the job is enabled or disabled.</td>
</tr>
<tr>
<td>CreatedBy</td>
<td>User who created the job.</td>
</tr>
<tr>
<td>UpdatedBy</td>
<td>User who updated the job.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Visible</td>
<td>Indicates whether the job is visible.</td>
</tr>
<tr>
<td>Editable</td>
<td>Indicates whether the job can be edited.</td>
</tr>
<tr>
<td>BuiltIn</td>
<td>Indicates if the job is internal.</td>
</tr>
<tr>
<td>Targets</td>
<td>Job targets.</td>
</tr>
<tr>
<td>Params</td>
<td>Parameters for the job.</td>
</tr>
<tr>
<td>LastRunStatus</td>
<td>Indicates the status of the last instance of the job execution.</td>
</tr>
<tr>
<td>JobStatus</td>
<td>Job completion status.</td>
</tr>
<tr>
<td></td>
<td>• 2020 — Scheduled</td>
</tr>
<tr>
<td></td>
<td>• 2030 — Queued</td>
</tr>
<tr>
<td></td>
<td>• 2040 — Starting</td>
</tr>
<tr>
<td></td>
<td>• 2050 — Running</td>
</tr>
<tr>
<td></td>
<td>• 2060 — Completed</td>
</tr>
<tr>
<td></td>
<td>• 2070 — Failed</td>
</tr>
<tr>
<td></td>
<td>• 2080 — New</td>
</tr>
<tr>
<td></td>
<td>• 2090 — Warning</td>
</tr>
<tr>
<td></td>
<td>• 2100 — Aborted</td>
</tr>
<tr>
<td></td>
<td>• 2101 — Paused</td>
</tr>
<tr>
<td></td>
<td>• 2102 — Stopped</td>
</tr>
<tr>
<td></td>
<td>• 2103 — Canceled</td>
</tr>
</tbody>
</table>

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**

```json
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:
```
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:

```
{  
  "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
}
```

Output:

```
{
  "@odata.context": "/api/$metadata#JobService.Job/$entity",
  "@odata.type": ":JobService.Job",
  "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
}
"@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>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the job.</td>
</tr>
<tr>
<td>JobName</td>
<td>Name of the job.</td>
</tr>
<tr>
<td>JobDescription</td>
<td>Description of the job.</td>
</tr>
<tr>
<td>JobType</td>
<td>Type of the job.</td>
</tr>
<tr>
<td>NextRun</td>
<td>The next time when the job will be executed.</td>
</tr>
</tbody>
</table>
### Attribute | Description
--- | ---
LastRun | The last time when the job was executed.
StartTime | Start time of the job.
EndTime | End time of the job.
Schedule | Job schedule (cron string).
State | Indicates whether the job is enabled or disabled.
CreatedBy | User who created the job.
UpdatedBy | User who updated the job.
Visible | Indicates whether the job is visible.
Editable | Indicates whether the job can be edited.
BuiltIn | Indicates if the job is internal.
Targets | Job targets.
Params | Parameters for the job.
LastRunStatus | Indicates the status of the last instance of the job execution.
JobStatus | Job completion status.

- 2020 — Scheduled
- 2030 — Queued
- 2040 — Starting
- 2050 — Running
- 2060 — Completed
- 2070 — Failed
- 2080 — New
- 2090 — Warning
- 2100 — Aborted
- 2101 — Paused
- 2102 — Stopped
- 2103 — Canceled

### Links
Link to access all execution histories.

### PUT method for Jobs(Id)
This method updates a specific job.

- **Description**: Updates a job.
- **Privilege**: JOB_MANAGEMENT
- **HTTP response codes**: 200

**Example**

```json
Input:
{
    "Id":26097,
    "JobName":"Inventory Task",
    "JobDescription":"Inventory Task",
    "Schedule":"startnow",
    "State":"Enabled",
    "JobType":
    {
        "Id":8,
        "Name":"Inventory_Task"
    },
    "Targets":
    [
```
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>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the job.</td>
</tr>
<tr>
<td>JobName</td>
<td>Name for the job.</td>
</tr>
<tr>
<td>JobDescription</td>
<td>Description for the job.</td>
</tr>
<tr>
<td>Schedule</td>
<td>The schedule to start the job.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>State</td>
<td>Enabled state for the job. It should be enabled.</td>
</tr>
<tr>
<td>JobType</td>
<td>Id of job type.</td>
</tr>
<tr>
<td>JobName</td>
<td>Name of the job type.</td>
</tr>
</tbody>
</table>

**DELETE method for Jobs(Id)**

This method deletes a specific job.

**Description**

Deletes a job.

**Privilege**

JOB_MANAGEMENT

**HTTP response codes**

204

**Example**

Input:

Output:

---

**Table 112. Attributes**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the job to be deleted.</td>
</tr>
</tbody>
</table>

**/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:

```json
{
    "@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": "Running"
        }
    ]
}
```
<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the job status.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the job status.</td>
</tr>
</tbody>
</table>

Table 113. Attributes
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns details of a specific job status.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:

Output:

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

Table 114. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the job status.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the job status.</td>
</tr>
</tbody>
</table>

/api/JobService/JobTypes

This URI represents all the job types.

GET method for JobTypes

This method returns the details of all the job types.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns details of all job types.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:

Output:

```json
{
    "@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)",
```
Table 115. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the job type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the job type.</td>
</tr>
<tr>
<td>Internal</td>
<td>Indicates if the job is internal.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns details of a job type.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

```
{
  "@odata.context": "/api/$metadata#JobService.JobType/$entity",
  "@odata.type": ":JobService.JobType",
  "@odata.id": "/api/JobService/JobTypes(5)",
  "Id": 5,
  "Name": "Update_Task",
  "Internal": false
}
```

Table 116. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the job type.</td>
</tr>
</tbody>
</table>
### Attribute Description

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the job type.</td>
</tr>
<tr>
<td>Internal</td>
<td>Indicates whether the job is internal.</td>
</tr>
</tbody>
</table>

/\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:

```
{
  "@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"
    }
  ]
```

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"
    }
  ]
```

Monitor
Table 117. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Job execution history detail ID.</td>
</tr>
<tr>
<td>JobName</td>
<td>Name of the job.</td>
</tr>
<tr>
<td>Progress</td>
<td>Percentage of completion.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>StartTime</td>
<td>The start time of job execution.</td>
</tr>
<tr>
<td>EndTime</td>
<td>The end time of job execution.</td>
</tr>
<tr>
<td>Schedule</td>
<td>Job schedule (cron string).</td>
</tr>
<tr>
<td>State</td>
<td>Indicates whether the job is enabled or disabled.</td>
</tr>
<tr>
<td>LastUpdatedTime</td>
<td>Timestamp when the job-execution history was last updated.</td>
</tr>
<tr>
<td>ExecutedBy</td>
<td>Details of who executed the job.</td>
</tr>
<tr>
<td>JobId</td>
<td>Job associated with the execution history.</td>
</tr>
<tr>
<td>JobStatus</td>
<td>Job execution history detail completion status.</td>
</tr>
<tr>
<td>Links</td>
<td>Link to access details of all execution histories.</td>
</tr>
</tbody>
</table>

/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:

```
{
   "@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"
      }
   ]
}
```

Monitor
Table 118. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Job execution history detail ID.</td>
</tr>
<tr>
<td>Progress</td>
<td>Percentage of completion.</td>
</tr>
<tr>
<td>StartTime</td>
<td>The start time of job execution.</td>
</tr>
<tr>
<td>EndTime</td>
<td>The end time of job execution.</td>
</tr>
<tr>
<td>Key</td>
<td>Job execution history details key.</td>
</tr>
<tr>
<td>Value</td>
<td>Job execution history details value.</td>
</tr>
<tr>
<td>ExecutionHistoryId</td>
<td>Execution history ID associated with the detail.</td>
</tr>
<tr>
<td>JobStatus</td>
<td>Job execution history detail completion status.</td>
</tr>
</tbody>
</table>

/post/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"
    }
}
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
/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:

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

Or

Input:

```javascript
{
   "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:

```javascript
{
   "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 configuration.

POST method for ResetApplication

This method resets the application. You can either reset only the configuration or also clear all the data.

<table>
<thead>
<tr>
<th>Description</th>
<th>Resets the application by clearing only the configuration, or by clearing the configuration and the data. This action supports the following parameters:</th>
</tr>
</thead>
</table>
|             |   - RESET_CONFIG—Clear the appliance and restore it to the default initial state.  
|             |   - RESET_ALL—Wipe all data including traces of logs.                                                                                   |

<table>
<thead>
<tr>
<th>Privilege</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLIANCE_SETUP</td>
</tr>
</tbody>
</table>

| HTTP response codes | 204 |

<table>
<thead>
<tr>
<th>Example</th>
</tr>
</thead>
</table>

Input:

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

Output:

204 No Content
/api/ApplicationService/Info

This URI represents the product information.

GET method for Info

This method returns the product information.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the product information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

```
{  
"@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/
```
Console capabilities

- **DEVICE_MANAGEMENT**: This capability tells whether the console is capable of restricting execution of tasks based on onboarded and not-onboarded devices.
- **BOOT_TO_NETWORK_ISO**: This capability is for booting devices from network iso.
- **DEPLOY_ON_LICENSE**: This capability is for deploying servers with valid license.
- **NETWORK_CONFIGURATION**: Network Configuration.
- **VLAN_CONFIG**: Vlan Config.
- **VIRTUAL_IO**: Virtual IO.
- **PROCESS_UNKNOWN_DEVICE_ALERTS**: 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:

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

Output:

```json
{
  "took": 87,
  "timed_out": false,
  "_shards": {
    "total": 1,
    "successful": 1,
    "failed": 0
  },
  "hits": {
    "total": 11,
    "max_score": 10,
    "hits": [
      {"_index": "msm",
```
Table 119. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QueryString</td>
<td>String to search.</td>
</tr>
<tr>
<td>FilterType</td>
<td>Indexes to be searched for the query string.</td>
</tr>
<tr>
<td>Took</td>
<td>Indicates the time taken for the search to be completed.</td>
</tr>
<tr>
<td>Timed_out</td>
<td>Indicates if the search timed out.</td>
</tr>
<tr>
<td>Shards</td>
<td></td>
</tr>
<tr>
<td>Shards - Total</td>
<td></td>
</tr>
<tr>
<td>Shards - Successful</td>
<td></td>
</tr>
<tr>
<td>Shards - Failed</td>
<td></td>
</tr>
<tr>
<td>Hits</td>
<td></td>
</tr>
<tr>
<td>Hits - Total</td>
<td></td>
</tr>
<tr>
<td>Hits - Max_score</td>
<td></td>
</tr>
<tr>
<td>Index</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Id</td>
<td></td>
</tr>
<tr>
<td>Score</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>- tskNm</td>
</tr>
<tr>
<td></td>
<td>- tskTyp</td>
</tr>
<tr>
<td></td>
<td>- tskStatus</td>
</tr>
<tr>
<td></td>
<td>- tskDesc</td>
</tr>
<tr>
<td></td>
<td>- tskCreatedBy</td>
</tr>
<tr>
<td></td>
<td>- tskId</td>
</tr>
</tbody>
</table>
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the document corresponding to the search string.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

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

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

Table 120. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FileName</td>
<td>Name of the file to be searched.</td>
</tr>
</tbody>
</table>
**Session**

**/api/SessionService**

This URI represents the collection of session services.

**GET method for SessionService**

This method returns a collection of the sessions services.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a collection of session services.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

```json
Input:

Output:

{  
"@odata.context": "$metadata#SessionService.SessionService",
"@odata.id": "/api/SessionService",
"Id": "SessionServiceID",
"Name": "SessionService",
"Description": "SessionService",
"ServiceEnabled": true,
"SessionTimeout": 1800,
"Actions": null,
"Sessions@odata.navigationLink": "/api/SessionService/Sessions"
}
```

<table>
<thead>
<tr>
<th>Table 121. Attributes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Attribute Name</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>Id</td>
<td>The unique identifier of the session service.</td>
</tr>
<tr>
<td>ServiceEnabled</td>
<td>Indicates whether the session service is enabled.</td>
</tr>
<tr>
<td>SessionTimeout</td>
<td>The session timeout duration in seconds.</td>
</tr>
<tr>
<td>Name</td>
<td>Name given for Session service.</td>
</tr>
<tr>
<td>Description</td>
<td>Description for the Session service.</td>
</tr>
<tr>
<td>Sessions</td>
<td>The link to the collection of active sessions.</td>
</tr>
</tbody>
</table>
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:
{
  "@odata.context": "$metadata#Collection(SessionService.Session)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/SessionService/Sessions('7b723932-a119-4843-a5b7-7a122e4def99')",
      "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
      "Description": "root",
      "Name": "API",
      "UserName": "root",
      "Password": null,
      "Roles": ["ADMINISTRATOR"
      ],
      "IpAddress": "xx.xx.xx.xx",
      "StartTimeStamp": "2017-04-17 20:07:12.357",
      "LastAccessedTimeStamp": "2017-04-17 20:07:45.482"
    }
  ]
}

Table 122. Attributes

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>The unique identifier of the SessionService.</td>
</tr>
<tr>
<td>UserName</td>
<td>The session user name.</td>
</tr>
<tr>
<td>Password</td>
<td>The session user password.</td>
</tr>
<tr>
<td>Roles</td>
<td>Role privileges.</td>
</tr>
<tr>
<td>IpAddress</td>
<td>IP address of session source.</td>
</tr>
<tr>
<td>StartTimeStamp</td>
<td>Time when the session began.</td>
</tr>
<tr>
<td>LastAccessedTimeStamp</td>
<td>Time when the session was last accessed.</td>
</tr>
<tr>
<td>Description</td>
<td>Description for the user session.</td>
</tr>
</tbody>
</table>

POST method for Sessions

This method authenticates the user and establishes a session.

Description
Authenticates the user and establishes a session.

Privilege
SECURITY_SETUP
Example

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

Output:
{
   "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
   "Description": "root",
   "Name": "API",
   "UserName": "root",
   "Password": null,
   "Roles": ["ADMINISTRATOR"],
   "IpAddress": "xx.xx.xx.xx",
   "StartTimeStamp": "2017-04-17 20:07:12.357",
   "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}

Table 123. Attributes

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UserName</td>
<td>The Session user name.</td>
</tr>
<tr>
<td>Password</td>
<td>The session user password.</td>
</tr>
<tr>
<td>SessionType</td>
<td>The type of session being created.</td>
</tr>
<tr>
<td>Id</td>
<td>The unique identifier of the SessionService.</td>
</tr>
<tr>
<td>Description</td>
<td>Description for the user session.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the session.</td>
</tr>
<tr>
<td>Roles</td>
<td>Role privileges.</td>
</tr>
<tr>
<td>IpAddress</td>
<td>IP address of session source.</td>
</tr>
<tr>
<td>StartTimeStamp</td>
<td>Time when the session began.</td>
</tr>
<tr>
<td>LastAccessedTimeStamp</td>
<td>Time when the session was last accessed.</td>
</tr>
</tbody>
</table>

/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",
}

268 Session
Output:
{
  "id": "7b723932-a119-4843-a5b7-7a122e4def99",
  "description": "root",
  "name": "API",
  "username": "root",
  "password": null,
  "roles": [
    "ADMINISTRATOR"
  ],
  "ipAddress": "xx.xx.xx.xx",
  "startTimestamp": "2017-04-17 20:07:12.357",
  "lastAccessedTimestamp": "2017-04-17 20:07:12.357"
}

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>The unique identifier of the SessionService.</td>
</tr>
<tr>
<td>UserName</td>
<td>The session user name.</td>
</tr>
<tr>
<td>Password</td>
<td>The session user password.</td>
</tr>
<tr>
<td>Roles</td>
<td>Role privileges.</td>
</tr>
<tr>
<td>IpAddress</td>
<td>IP address of session source.</td>
</tr>
<tr>
<td>StartTimeStamp</td>
<td>Time when the session began.</td>
</tr>
<tr>
<td>LastAccessedTimestamp</td>
<td>Time when the session was last accessed.</td>
</tr>
</tbody>
</table>

**DELETE method for Sessions(Id)**

This method deletes a specific session.

**Description**
Deletes a specific session.

**Privilege**
SECURITY_SETUP

**HTTP response codes**
204

**Example**
N/A

/api/SessionService/SessionConfiguration

**GET method for SessionConfiguration**

**Description**
This method adds the ability to configure the inactivity (not active sessions) timeout interval and the maximum number of sessions that are enabled per session type. When these properties are changed, the properties of the current active sessions are not terminated or modified.

**Privilege**
VIEW

**HTTP response codes**
200
Output:
{
  "@odata.context": "/api/$metadata#Collection(SessionService.SessionConfiguration)",
  "@odata.count": 6,
  "value": [
    {
      "@odata.type": "#SessionService.SessionConfiguration",
      "SessionType": "GUI",
      "MaxSessions": 6,
      "SessionTimeout": 1320000,
      "MinSessionTimeout": 60000,
      "MaxSessionTimeout": 86400000,
      "MinSessionsAllowed": 1,
      "MaxSessionsAllowed": 6
    },
    {
      "@odata.type": "#SessionService.SessionConfiguration",
      "SessionType": "UniversalTimeout",
      "MaxSessions": 0,
      "SessionTimeout": 1320000,
      "MinSessionTimeout": -1,
      "MaxSessionTimeout": 86400000,
      "MinSessionsAllowed": 0,
      "MaxSessionsAllowed": 0
    },
    {
      "@odata.type": "#SessionService.SessionConfiguration",
      "SessionType": "API",
      "MaxSessions": 100,
      "SessionTimeout": 1320000,
      "MinSessionTimeout": 60000,
      "MaxSessionTimeout": 86400000,
      "MinSessionsAllowed": 1,
      "MaxSessionsAllowed": 100
    },
    {
      "@odata.type": "#SessionService.SessionConfiguration",
      "SessionType": "SSH",
      "MaxSessions": 4,
      "SessionTimeout": 1320000,
      "MinSessionTimeout": 60000,
      "MaxSessionTimeout": 1800000,
      "MinSessionsAllowed": 1,
      "MaxSessionsAllowed": 4
    },
    {
      "@odata.type": "#SessionService.SessionConfiguration",
      "SessionType": "Serial",
      "MaxSessions": 4,
      "SessionTimeout": 1320000,
      "MinSessionTimeout": 60000,
      "MaxSessionTimeout": 86400000,
      "MinSessionsAllowed": 1,
      "MaxSessionsAllowed": 4
    }
  ]
}
POST method for SessionService.SessionConfigurationUpdate

Description
This method adds the ability to configure the inactivity (not active sessions) timeout interval and the maximum number of sessions that are enabled per session type. When these properties are changed, the properties of the current active sessions are not terminated or modified.

Privilege
VIEW

HTTP response codes
200

Example
Input:

```json
[
  {
    "SessionType": "GUI",
    "MaxSessions": 6,
    "SessionTimeout": 1800000
  },
  {
    "SessionType": "API",
    "MaxSessions": 100,
    "SessionTimeout": 1800000
  },
  {
    "SessionType": "SSH",
    "MaxSessions": 4,
    "SessionTimeout": 1800000
  },
  {
    "SessionType": "UniversalTimeout",
    "MaxSessions": 0,
    "SessionTimeout": -1
  },
  {
    "SessionType": "QuickSync",
    "MaxSessions": 8,
    "SessionTimeout": 86400000
  },
  {
    "SessionType": "Serial",
    "MaxSessions": 4,
    "SessionTimeout": 1800000
  }
]
```
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a collection of settings.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response</td>
<td>200</td>
</tr>
</tbody>
</table>

Example:

Input:

`[]`

Output:

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

APIS specific to OpenManage Enterprise - Modular Edition   273
{{"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": "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" },

APIs specific to OpenManage Enterprise - Modular Edition
"Name": "Users.2#userType",
"Value": 1
},

{ "Name": "Users.2#SHA256Password",
"Value": "$2a$10$zpVUzQIfE3nCOpodYXiz9.A.rr6SAkYcovyTEd49hxL7N832eqkqK"
},

{ "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$10$ntDJPWAwakb5oemKyzLQPG.M5HliotxOby.q9cHPg2XIiYgPZjannC"
},

{ "Name": "Users.4#Name",
"Value": "MK"
},

{ "Name": "Users.4#Privilege",
"Value": "10"
},

{ "Name": "Users.4#Enable",
"Value": true
},

APIs specific to OpenManage Enterprise - Modular Edition 279
```json
{
    "Name": "Users.4#Password",
    "Value": null
},
{
    "Name": "Users.5#userType",
    "Value": 2
},
{
    "Name": "Users.5#SHA256Password",
    "Value": "$2a$10$PH0cK06cAnceleSNuAl3j7.TI8dfX49XkdVcNhHC4G2X921AhCAs$5a$
},
{
    "Name": "Users.5#Name",
    "Value": "MSMMegatronTeam"
},
{
    "Name": "Users.5#Privilege",
    "Value": "10"
},
{
    "Name": "Users.5#Enable",
    "Value": true
},
{
    "Name": "Users.5#objectGuid",
    "Value": "d22005b6-0ce5-40ed-88d0-7f7759b52f25"
},
{
    "Name": "Users.5#Password",
    "Value": null
},
{
    "Name": "Users.5#directoryType",
    "Value": "AD"
},
{
    "Name": "Users.5#directoryName",
    "Value": "dell.com"
},
{
    "Name": "ActiveDirectory.1#name",
    "Value": "dell.com"
},
{
    "Name": "ActiveDirectory.1#serverType",
    "Value": "MANUAL"
},
{
    "Name": "ActiveDirectory.1#DomainController1",
    "Value": "10.170.15.214"
},
{
    "Name": "ActiveDirectory.1#Domain",
    "Value": "dell.com"
},
{
    "Name": "ActiveDirectory.1#Port",
    "Value": 3269
},
{
    "Name": "ActiveDirectory.1#NetworkTimeout",
    "Value": 120
},
{
    "Name": "ActiveDirectory.1#SearchTimeout",
    "Value": 120
},
{
    "Name": "ActiveDirectory.1#CertValidationEnable",
    "Value": false
}
```
},
{
"Name": "ActiveDirectory.1#certificateFile",
"Value": ""
},
{
"Name": "LDAP.1#name",
"Value": "LDAP Dell"
},
{
"Name": "LDAP.1#serverType",
"Value": "MANUAL"
},
{
"Name": "LDAP.1#DomainController1",
"Value": "10.36.0.167"
},
{
"Name": "LDAP.1#Port",
"Value": 636
},
{
"Name": "LDAP.1#BaseDN",
"Value": "dc=dell,dc=com"
},
{
"Name": "LDAP.1#NetworkTimeout",
"Value": 120
},
{
"Name": "LDAP.1#SearchTimeout",
"Value": 120
},
{
"Name": "LDAP.1#CertValidationEnable",
"Value": false
},
{
"Name": "LDAP.1#certificateFile",
"Value": ""
}
]
}]
]

Table 125. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SystemConfiguration</td>
<td>Parent tag that represents system configuration.</td>
</tr>
<tr>
<td>Comments</td>
<td>User-defined comments.</td>
</tr>
<tr>
<td>Model</td>
<td>Chassis model.</td>
</tr>
<tr>
<td>ServiceTag</td>
<td>Chassis Service Tag.</td>
</tr>
<tr>
<td>TimeStamp</td>
<td>Time stamp when the configuration is retrieved.</td>
</tr>
<tr>
<td>Components</td>
<td>Components for which the configuration is retrieved.</td>
</tr>
<tr>
<td>FGDD</td>
<td>A key for each setting.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Key-value pairs of attributes.</td>
</tr>
<tr>
<td>Name</td>
<td>Attribute name.</td>
</tr>
<tr>
<td>Value</td>
<td>Attribute value.</td>
</tr>
</tbody>
</table>
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:
```json
{
    "SystemConfiguration": {
        "Comments": [
            "Export type is Normal, JSON"
        ],
        "Model": "POWEREDGE MX7000",
        "ServiceTag": "01PTCMSM",
        "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
},
}
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": ""
},
"Value": "10"
],
  
  
  "Name": "Users.2#Password",
  "Value": null
],
  
  "Name": "Users.3#userType",
  "Value": 1
],
  
  "Name": "Users.3#SHA256Password",
  "Value": "$2a$10$dTg7igLe1neXn2thsG9vzP.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$10$ntDJPWAkaB5oemKyxLQPG.M5HliotxOby.q9cHPg2XIyGp2jannC$
],
  
  "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$10$H0cK06cAnceieSNuai33J.TI8dfX49XkdVcnHbC4G2X921AhCAstS$
],
  
  "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"}
Table 126. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SystemConfiguration</td>
<td>Parent tag that represents system configuration.</td>
</tr>
<tr>
<td>Comments</td>
<td>User-defined comments.</td>
</tr>
<tr>
<td>Model</td>
<td>Chassis model.</td>
</tr>
<tr>
<td>ServiceTag</td>
<td>Chassis Service Tag.</td>
</tr>
<tr>
<td>TimeStamp</td>
<td>Time stamp when the configuration is retrieved.</td>
</tr>
<tr>
<td>Components</td>
<td>Components for which the configuration is retrieved.</td>
</tr>
<tr>
<td>FGQDD</td>
<td>A key for each setting.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Key-value pairs of attributes.</td>
</tr>
<tr>
<td>Name</td>
<td>Attribute name.</td>
</tr>
<tr>
<td>Value</td>
<td>Attribute value.</td>
</tr>
</tbody>
</table>
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 it 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
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:
{
    "BrandType":"DEBRANDED"
} OR
{
    "BrandType":"DEFAULT"
}

Output:
{
    200 OK
}
Output - Lead chassis:

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

Table 127. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GroupId</td>
<td>Unique group ID across different domains.</td>
</tr>
<tr>
<td>DeviceGroupId</td>
<td>Group configuration record ID.</td>
</tr>
<tr>
<td>GroupName</td>
<td>Name of the group.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>GroupDescription</td>
<td>Description of the group.</td>
</tr>
<tr>
<td>JoinApproval</td>
<td>Join approval</td>
</tr>
<tr>
<td>Automatic</td>
<td>Join requests from a standalone chassis are automatically approved.</td>
</tr>
<tr>
<td>Manual</td>
<td>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.</td>
</tr>
<tr>
<td>ConfigReplication</td>
<td>Configuration that is replicated when a new domain joins this group.</td>
</tr>
<tr>
<td>ConfigType</td>
<td>Configuration type.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the configuration type is propagated to the member domain.</td>
</tr>
</tbody>
</table>

**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:

```json
{
  "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
    }
  ]
}
```
Example for editing a group
Input:
{
    "GroupId": "91e0b654-9de4-4a62-b5b1-c0dal1d81b70", "DeviceGroupId": 31436, "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": 36181,
    "Status": "SUCCESS"
}

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GroupId</td>
<td>Unique group ID across different domains.</td>
</tr>
<tr>
<td>GroupName</td>
<td>Name of the group.</td>
</tr>
<tr>
<td>GroupDescription</td>
<td>Description of the group.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>JoinApproval</td>
<td>Join approval</td>
</tr>
<tr>
<td></td>
<td>• Automatic: Join requests from a standalone chassis are automatically approved.</td>
</tr>
<tr>
<td></td>
<td>• 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.</td>
</tr>
<tr>
<td>ConfigReplication</td>
<td>Configuration that is replicated when a new domain joins this group.</td>
</tr>
<tr>
<td>ConfigType</td>
<td>Configuration type.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates if the configuration type is propagated to the member domain.</td>
</tr>
<tr>
<td>DeviceGroupId</td>
<td>The ID of the device group associated with the management domain.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the list of available chassis domains. Each chassis domain returned identifies its role in a MCM domain group, if applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

```
{ "@odata.context": "/api/ManagementDomainService/DiscoveredDomains", 
"@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", 
```
Table 129. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GroupId</td>
<td>Unique identifier of the group across different domains.</td>
</tr>
<tr>
<td>GroupName</td>
<td>Group name for the MCM domain group.</td>
</tr>
<tr>
<td>GroupDescription</td>
<td>Description of the group.</td>
</tr>
<tr>
<td>Address</td>
<td>IP address of the domain.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the chassis.</td>
</tr>
<tr>
<td>Description</td>
<td>Description.</td>
</tr>
<tr>
<td>Identifier</td>
<td>Service Tag of the chassis.</td>
</tr>
<tr>
<td>DomainTypeId</td>
<td>Information for internal programmatic use.</td>
</tr>
<tr>
<td>DomainTypeValue</td>
<td>Information for internal programmatic use.</td>
</tr>
<tr>
<td>DomainRoleTypeId</td>
<td>ID of the domain role. Possible value:</td>
</tr>
<tr>
<td></td>
<td>• 3000 — LEAD</td>
</tr>
<tr>
<td></td>
<td>• 3001 — MEMBER</td>
</tr>
<tr>
<td></td>
<td>• 3002 — STANDALONE</td>
</tr>
<tr>
<td>DomainRoleTypeValue</td>
<td>Type of domain role. Possible values:</td>
</tr>
<tr>
<td></td>
<td>• LEAD</td>
</tr>
<tr>
<td></td>
<td>• MEMBER</td>
</tr>
<tr>
<td></td>
<td>• STANDALONE</td>
</tr>
<tr>
<td>Version</td>
<td>Version of OME - Modular.</td>
</tr>
</tbody>
</table>
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the collection of supported configuration types.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>Output:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.context&quot;: &quot;@odata.context&quot;</td>
</tr>
<tr>
<td></td>
<td>&quot;$metadata#Collection(ManagementDomainService.ConfigurationType)&quot;</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.count&quot;: 2,</td>
</tr>
<tr>
<td></td>
<td>&quot;value&quot;: [</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.id&quot;: &quot;/api/ManagementDomainService/ConfigurationTypes(1)&quot;</td>
</tr>
<tr>
<td></td>
<td>&quot;Id&quot;: 1,</td>
</tr>
<tr>
<td></td>
<td>&quot;Name&quot;: &quot;Power&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;Description&quot;: &quot;Power&quot;</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.id&quot;: &quot;/api/ManagementDomainService/ConfigurationTypes(2)&quot;</td>
</tr>
<tr>
<td></td>
<td>&quot;Id&quot;: 2,</td>
</tr>
<tr>
<td></td>
<td>&quot;Name&quot;: &quot;UserAuthentication&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;Description&quot;: &quot;User Authentication&quot;</td>
</tr>
<tr>
<td></td>
<td>]</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>

Table 130. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the configuration.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the configuration.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the configuration.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the details of a specific configuration type.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>Output:</td>
</tr>
</tbody>
</table>
Table 131. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the configuration.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the configuration.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the configuration.</td>
</tr>
</tbody>
</table>

/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:

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

Output — Lead chassis:
{
"@odata.context": "/api/$metadata#Collection(ManagementDomainService.Domain)",
"@odata.count": 2,
"value":
[
{
"@odata.type": ".ManagementDomainService.Domain",
"@odata.id": "/api/ManagementDomainService/Domains(25018)",
"Id": 25018,
"DeviceId": 25003,
"PublicAddress": ["10.35.155.91"],
"Name": "MX-UTSKY88",
"Description": "POWEREDGE MX7000",
"Identifier": "UTSKY88",
"DomainTypeId": 4000,
"DomainTypeValue": "MSM",
"DomainRoleTypeId": 3001,
"DomainRoleTypeValue": "MEMBER",
"Version": "1",
"Local": true,
"GroupId": "8e5c5534-8435-47f9-bf79-65498caf7b54",
"GroupName": "Example-GroupName"
},
{
"@odata.type": ".ManagementDomainService.Domain",
"@odata.id": "/api/ManagementDomainService/Domains(25717)",
"Id": 25717,
"DeviceId": 0,
"PublicAddress": ["10.36.0.167"],
"Name": "MX-01PTCMSM",
"Description": "POWEREDGE MX7000",
"Identifier": "01PTCMSM",
"DomainTypeId": 4000,
"DomainTypeValue": "MSM",
"DomainRoleTypeId": 3000,
"DomainRoleTypeValue": "LEAD",
"Version": "1",
"Local": false,
"GroupId": "8e5c5534-8435-47f9-bf79-65498caf7b54",
"GroupName": "Example-GroupName"
}
]
Table 132. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Record ID.</td>
</tr>
<tr>
<td>DeviceId</td>
<td>Device ID.</td>
</tr>
<tr>
<td>Address</td>
<td>IP address.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the chassis.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the chassis.</td>
</tr>
<tr>
<td>Identifier</td>
<td>Service Tag of the chassis.</td>
</tr>
<tr>
<td>DomainTypeId</td>
<td>Information for internal programmatic use.</td>
</tr>
<tr>
<td>DomainTypeValue</td>
<td>Information for internal programmatic use.</td>
</tr>
<tr>
<td>DomainRoleTypeId</td>
<td>ID of the domain role. Possible value:</td>
</tr>
<tr>
<td></td>
<td>• 3000 — LEAD</td>
</tr>
<tr>
<td></td>
<td>• 3001 — MEMBER</td>
</tr>
<tr>
<td></td>
<td>• 3002 — STANDALONE</td>
</tr>
</tbody>
</table>

APIs specific to OpenManage Enterprise - Modular Edition
### Attribute Description

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DomainRoleTypeValue</td>
<td>Type of domain role. Possible values:</td>
</tr>
<tr>
<td></td>
<td>• LEAD</td>
</tr>
<tr>
<td></td>
<td>• MEMBER</td>
</tr>
<tr>
<td></td>
<td>• STANDALONE</td>
</tr>
<tr>
<td>Version</td>
<td>Version of OME - Modular.</td>
</tr>
<tr>
<td>Local</td>
<td>• TRUE — Indicates that this domain is the local domain where the API is executed.</td>
</tr>
<tr>
<td></td>
<td>• FALSE — Indicates that this domain is the remote domain where the API is executed.</td>
</tr>
<tr>
<td>GroupId</td>
<td>Unique identifier of the group across different domains.</td>
</tr>
<tr>
<td>GroupName</td>
<td>Group name for the MCM domain group.</td>
</tr>
</tbody>
</table>

### /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:

```json
{}
```

Output:

```
"@odata.context": "$metadata#ManagementDomainService.Domain/$entity",
"@odata.id": "api/ManagementDomainService/Domains(2714)",
"Id": 2714,
"DeviceId": 2664,
"Address": "fde1:53ba:e9a0:de14:1a66:daff:fe76:4ebc",
"Name": "cmc-LEAD123",
"Description": "Chassis-LEAD123",
"Identifier": "LEAD123",
"DomainTypeId": 4000,
"DomainTypeValue": "MSM",
"DomainRoleTypeId": 3000,
"DomainRoleTypeValue": "LEAD",
"Version": "VERSION",
"Port": "443",
"Local": true,
"GroupId": "4e361023-07cc-4b98-af3f-ba7c2ef2f5b9",
"GroupName": "DDD"
```
Table 133. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Record ID.</td>
</tr>
<tr>
<td>DeviceID</td>
<td>Device ID.</td>
</tr>
<tr>
<td>Address</td>
<td>IP address.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the chassis.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the chassis.</td>
</tr>
<tr>
<td>Identifier</td>
<td>Service Tag of the chassis.</td>
</tr>
<tr>
<td>DomainTypeID</td>
<td>Information for internal programmatic use.</td>
</tr>
<tr>
<td>DomainTypeValue</td>
<td>Information for internal programmatic use.</td>
</tr>
<tr>
<td>DomainRoleTypeId</td>
<td>ID of the domain role. Possible value:</td>
</tr>
<tr>
<td></td>
<td>• 3000 — LEAD</td>
</tr>
<tr>
<td></td>
<td>• 3001 — MEMBER</td>
</tr>
<tr>
<td></td>
<td>• 3002 — STANDALONE</td>
</tr>
<tr>
<td>DomainRoleTypeValue</td>
<td>Type of domain role. Possible values:</td>
</tr>
<tr>
<td></td>
<td>• LEAD</td>
</tr>
<tr>
<td></td>
<td>• MEMBER</td>
</tr>
<tr>
<td></td>
<td>• STANDALONE</td>
</tr>
<tr>
<td>Version</td>
<td>Version of OME - Modular.</td>
</tr>
<tr>
<td>Local</td>
<td>• TRUE — Indicates that this domain is the local domain where the API is executed.</td>
</tr>
<tr>
<td></td>
<td>• FALSE — Indicates that this domain is the remote domain where the API is executed.</td>
</tr>
<tr>
<td>GroupID</td>
<td>Unique identifier of the group across different domains.</td>
</tr>
<tr>
<td>GroupName</td>
<td>Group name for the MCM domain group.</td>
</tr>
</tbody>
</table>

/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/ManagementDomainService/PendingDomain",
  "@odata.count": 1,
  "value": [ 
    {  
      "@odata.type": 
        
```

304 APIs specific to OpenManage Enterprise - Modular Edition
Table 134. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Record ID.</td>
</tr>
<tr>
<td>JobId</td>
<td>Job ID created for the operation.</td>
</tr>
<tr>
<td>State</td>
<td>Internal state of the request. Possible values:</td>
</tr>
<tr>
<td></td>
<td>• 1001 - Join approval is pending with the lead domain.</td>
</tr>
<tr>
<td></td>
<td>• 1002 - Join request is approved by the lead.</td>
</tr>
<tr>
<td></td>
<td>• 1004 - Onboarding is in progress.</td>
</tr>
<tr>
<td></td>
<td>• 1006 - Request is initiated to delete the member domain.</td>
</tr>
<tr>
<td></td>
<td>• 1007 - Request is in progress to delete the member domain.</td>
</tr>
<tr>
<td></td>
<td>• 1012 - Request to join group is initiated from the stand-alone chassis.</td>
</tr>
<tr>
<td></td>
<td>• 1013 - This onboard state is displayed only on stand-alone chassis when the lead approves the pending join request and initiates the onboarding.</td>
</tr>
<tr>
<td>Address</td>
<td>IP address of the onboarding chassis.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the onboarding chassis.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the onboarding chassis.</td>
</tr>
<tr>
<td>Identifier</td>
<td>Service tag of the onboarding chassis.</td>
</tr>
<tr>
<td>Domain type</td>
<td>Information for internal programmatic use.</td>
</tr>
<tr>
<td>Version</td>
<td>Version of OME - Modular of the onboarding chassis.</td>
</tr>
</tbody>
</table>

/api/ManagementDomainService/PendingDomains(36197)

This URI represents a specific pending domain-related requests in the collection of pending requests.

GET method for PendingDomains(36197)

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:

- Input:
Output:
{
  "@odata.context": "$metadata#ManagementDomainService.PendingDomain/$entity",
  "@odata.id": "/api/ManagementDomainService/PendingDomains(15964)",
  "Id": 15964,
  "JobId": 0,
  "State": 1001,
  "Address": "fde1:53ba:e9a0:de14:1a66:daff:fe76:4de5",
  "Name": "cmc-MEM123",
  "Description": "Chassis-MEM123",
  "Identifier": "MEM123",
  "DomainType": "MSM",
  "Version": "VERSION",
}

Table 135. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Record ID.</td>
</tr>
<tr>
<td>JobId</td>
<td>Job ID created for the operation.</td>
</tr>
<tr>
<td>State</td>
<td>Internal state of the request. Possible values:</td>
</tr>
<tr>
<td></td>
<td>• 1001 - Join approval is pending with the lead domain.</td>
</tr>
<tr>
<td></td>
<td>• 1002 - Join request is approved by the lead.</td>
</tr>
<tr>
<td></td>
<td>• 1004 - Onboarding is in progress.</td>
</tr>
<tr>
<td></td>
<td>• 1006 - Request is initiated to delete the member domain.</td>
</tr>
<tr>
<td></td>
<td>• 1007 - Request is in progress to delete the member domain.</td>
</tr>
<tr>
<td></td>
<td>• 1012 - Request to join group is initiated from the stand-alone chassis.</td>
</tr>
<tr>
<td></td>
<td>• 1013 - This onboard state is displayed only on stand-alone chassis</td>
</tr>
<tr>
<td></td>
<td>when the lead approves the pending join request and initiates the onboard.</td>
</tr>
<tr>
<td>Address</td>
<td>IP address of the onboarding chassis.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the onboarding chassis.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the onboarding chassis.</td>
</tr>
<tr>
<td>Identifier</td>
<td>Service tag of the onboarding chassis.</td>
</tr>
<tr>
<td>Domain type</td>
<td>Information for internal programmatic use.</td>
</tr>
<tr>
<td>Version</td>
<td>Version of OME - Modular of the onboarding chassis.</td>
</tr>
</tbody>
</table>

/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

Add 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:

```json
[
  {
    "GroupId": "3ec57902-d92f-4cf3-a9af-1587c300bb21"
  }
]
```

Output:

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

Adding multiple domains to an MCM group

Input:

```json
[
  {
    "GroupId": "be062037-30a5-4a8e-ae39-ee3bff4a8a29"
  }
]
[
  {
    "GroupId": "91e0b654-9de4-4a62-b5b1-c0da11d81b70"
  }
]
```

Output:

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

Table 136. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JobId</td>
<td>Job ID created for the operation.</td>
</tr>
<tr>
<td>Status</td>
<td>Status of the operation.</td>
</tr>
</tbody>
</table>

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:

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

Output:
Table 137. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GroupId</td>
<td>Group ID of the lead domain.</td>
</tr>
<tr>
<td>JobId</td>
<td>Job ID for tracking the status of the join operation.</td>
</tr>
<tr>
<td>Status</td>
<td>Status of the join request.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Enables a member chassis domain to leave an MCM domain group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>APPLIANCE_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

Output:

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

Table 138. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JobId</td>
<td>Job ID created for the operation.</td>
</tr>
<tr>
<td>Status</td>
<td>Status of the operation.</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Removes a member chassis domain from an MCM domain group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>APPLIANCE_SETUP</td>
</tr>
</tbody>
</table>
HTTP response codes

Example

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

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

Table 139. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JobId</td>
<td>Job ID created for the operation.</td>
</tr>
<tr>
<td>Status</td>
<td>Status of the operation. <strong>NOTE:</strong> The Status is always displayed as SUCCESS. To track the status, use the JobId.</td>
</tr>
</tbody>
</table>

/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

Example

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

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

Table 140. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GroupId</td>
<td>Group ID of the lead domain.</td>
</tr>
<tr>
<td>JobId</td>
<td>Job ID for the delete operation. <strong>NOTE:</strong> Use the Job API to poll the status of the delete JobId. After the job is complete, all the chassis domains in the group transition to STANDALONE type.</td>
</tr>
</tbody>
</table>
POST method for ManagementDomainService.ApproveJoin

If the group is created with manual onboarding policy, this method enables the lead domain administrator to approve or reject pending requests that are made for joining a MCM domain group.

Description
Approves or rejects pending requests for joining a MCM domain group.

Privilege
APPLIANCE_SETUP

HTTP response codes
200

Example

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

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

Table 141. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the pending domain that requested to join the group.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Approval</td>
<td>Indicates if the request is approved or rejected. Possible values:</td>
</tr>
<tr>
<td></td>
<td>• true: Approved</td>
</tr>
<tr>
<td></td>
<td>• false: Rejected</td>
</tr>
<tr>
<td>Status</td>
<td>Status of the operation.</td>
</tr>
</tbody>
</table>

**FIPS mode settings**

/\api/ApplicationService/Security/SecurityConfiguration

This URI represents the security configuration.

**GET method for SecurityConfiguration**

This method returns the security configuration.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the security configuration.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

```json
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the details of the network services.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

```json
Input:
Output:
{
  "@odata.context": "/api/$metadata#NetworkService.NetworkService",
  "@odata.type": "#NetworkService.NetworkService",
  "@odata.id": "/api/NetworkService",
```

APIs specific to OpenManage Enterprise - Modular Edition 311
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:

```
{
    "@odata.context": "/api/$metadata#Collection(NetworkService.Fabric)"
}
```

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"
]
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:
{
  "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)
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a specific fabric.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

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/
PUT method for Fabrics(\textit{Id})

This method updates a fabric.

<table>
<thead>
<tr>
<th>Description</th>
<th>Updates a specific fabric.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>FABRIC_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input:
```
{
  "Id":"123e4567-e89b-12d3-a456-426655440000",
  "Name":"Fabric-1",
  "Description":"This is a fabric.",
  "FabricDesignMapping":
    [
      {
        "DesignNode": "Switch-A",
        "PhysicalNode": "8KWYERN1"
      },
      {
        "DesignNode": "Switch-B",
        "PhysicalNode": "9KWYJRN1"
      }
    ],
  "FabricDesign":
    {
      "Name": "2xMX9116n_Fabric_Switching_Engines_in_same_chassis 
    }
}
```

Output:

TRUE

Table 142. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>The identifier of the fabric.</td>
</tr>
<tr>
<td>Name</td>
<td>The fabric name.</td>
</tr>
<tr>
<td>Description</td>
<td>The fabric name description.</td>
</tr>
<tr>
<td>DesignNode</td>
<td>DesignNode must be identical to the name provided in the selected fabric design.</td>
</tr>
<tr>
<td>PhysicalNode</td>
<td>Service Tag of the switch that you want to configure for the given fabric.</td>
</tr>
<tr>
<td>FabricDesign</td>
<td></td>
</tr>
<tr>
<td>Name (FabricDesign)</td>
<td>The fabric design name.</td>
</tr>
</tbody>
</table>

DELETE method for Fabrics(\textit{Id})

This method deletes a specific fabric.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes a specific fabric.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>FABRIC_MANAGEMENT</td>
</tr>
</tbody>
</table>
/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:

```json
{
  "@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",
    }
  ]
}
```
/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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Example</td>
</tr>
</tbody>
</table>

**Example**

Input:

```json
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.ValidationError)",
  "@odata.count": 5,
  "value": 
  [{
    "@odata.type": 
    "#NetworkService.ValidationError",
    "@odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-b354-5196396a4a18')/ValidationErrors('0bebadec-b61b-4b16-b354-5196396a4a18-Slot-Issue')",
    "Id": "0bebadec-b61b-4b16-b354-5196396a4a18-Slot-Issue",
    "MessageId": "NFAB0008",
    "Category": "FabricError",
    "SubCategory": "PlacementError",
    "Severity": "Severity1",
    "ChassisName": "MX-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"
  }
}
```

320 APIs specific to OpenManage Enterprise - Modular Edition
"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.ValidationError",
"odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-b354-5196396a4a18')/ValidationErrors('0bebadec-b61b-4b16-b354-5196396a4a18-ISL-%5BICL-1_REVERSE%5D-NotFound-Issue')",
"Id": "0bebadec-b61b-4b16-b354-5196396a4a18-ISL-[ICL-1_REVERSE]-NotFound-Issue",
"MessageId": "NFAB0012",
"Category": "FabricError",
"SubCategory": "ISLError",
"Severity": "Severity1",
"ChassisName": "MX-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.ValidationError",
"odata.id": "/api/NetworkService/Fabrics('0bebadec-b61b-4b16-b354-5196396a4a18')/ValidationErrors('0bebadec-b61b-4b16-b354-5196396a4a18-ISL-%5BICL-2_FORWARD%5D-NotFound-Issue')",
"Id": "0bebadec-b61b-4b16-b354-5196396a4a18-ISL-[ICL-2_FORWARD]-NotFound-Issue",
"MessageId": "NFAB0012",
"Category": "FabricError",
"SubCategory": "ISLError",
"Severity": "Severity1",
"ChassisName": "MX-SKY002P1234567890123456789012345",
"ChassisServiceTag": "SKY002P1234567890123456789012345",
"Description": "Unable to validate the fabric because the design link ICL-2_FORWARD 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"}
"ChassisName": "MX-SKY00201234567890123456789012345",
"ChassisServiceTag": "SKY00201234567890123456789012345",
"Description": "Unable to validate the fabric because the design link ICL-2_FORWARD not connected as per design 2NodeHESameChassis.",

"RecommendedAction": "Make sure that the links are connected as per design."

"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"
}

"Timestamp": "1531891792"

"ChassisName": "MX-SKY00201234567890123456789012345",
"ChassisServiceTag": "SKY00201234567890123456789012345",
"Description": "Unable to validate the fabric because the design link ICL-1_FORWARD not connected as per design 2NodeHESameChassis.",

"RecommendedAction": "Make sure that the links are connected as per design."

"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"
}

"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
POST method for Uplinks for a specific fabric

This method creates an uplink.

**Description**

Creates an uplink.

**Privilege**

FABRIC_MANAGEMENT

**HTTP response codes**

201

**Example**

Input:

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

Output:

Uplink Id
Table 143. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>The identifier of the fabric.</td>
</tr>
<tr>
<td>Name</td>
<td>The fabric name.</td>
</tr>
<tr>
<td>Description</td>
<td>The fabric name description.</td>
</tr>
<tr>
<td>MediaType</td>
<td>Type of the uplink. For more information, see api/NetworkService/UplinkTypes.</td>
</tr>
<tr>
<td>ID (Ports)</td>
<td>Port ID(s).</td>
</tr>
<tr>
<td>ID (Networks)</td>
<td>Network ID(s).</td>
</tr>
</tbody>
</table>

/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/Smetadata#NetworkService.Uplink/$entity",
  "@odata.type": ":NetworkService.Uplink",
  "@odata.id": "/api/NetworkService/Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-d6d8-4fc5-98b7-cb9030e8008e')",
  "Id": "bda43da9-d6d8-4fc5-98b7-cb9030e8008e",
  "Name": "test",
  "Description": "test",
  "MediaType": "Ethernet",
  "NativeVLAN": 0,
  "Summary":
  {
    "PortCount": 4,
    "NetworkCount": 2
  },
  "Ports@odata.navigationLink": "/api/NetworkService/Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-d6d8-4fc5-98b7-cb9030e8008e')/Ports",
  "Networks@odata.navigationLink": "/api/NetworkService/Fabrics('43be623e-0d74-4f6d-87b3-3ea40bf6372d')/Uplinks('bda43da9-d6d8-4fc5-98b7-cb9030e8008e')/Networks"
}
```

PUT method for Uplinks(Id)

This method updates a specific uplink.

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

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

Output: TRUE

Table 144. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>The identifier of the target uplink.</td>
</tr>
<tr>
<td>Name</td>
<td>The target uplink name</td>
</tr>
<tr>
<td>Description</td>
<td>The target uplink description</td>
</tr>
<tr>
<td>MediaType</td>
<td>Indicates, type of uplink. For more information, see /api/NetworkService/UplinkTypes.</td>
</tr>
<tr>
<td>NativeVLAN</td>
<td>VLAN number, user intends to configure uplink with, as untagged network.</td>
</tr>
<tr>
<td>Ports/Id</td>
<td>The identifier associated to switch port (interface) that the user intends to associate with the given uplink.</td>
</tr>
<tr>
<td>Networks/Id</td>
<td>The identifier that is associated to the network profile that the user intends to associate with the given uplink as tagged networks.</td>
</tr>
</tbody>
</table>

**NOTE:** One or more identifiers may be provided as input for ports and networks attribute.

DELETE method for Uplinks(Id)

This method deletes a specific uplink.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes a specific uplink.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>FABRIC_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
</tbody>
</table>

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**

```json
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": "/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('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"
    }
  ]
}
```
/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:

```
{
   "@odata.context": "/api/$metadata#Collection(NetworkConfigurationService.Network)",
   "@odata.count": 2,
   "value":
   [
      
   ]
}
```

Output:

```
{
   "Name": "",
   "Description": "",
   "Type": "PhysicalEthernet",
   "MediaType": "Ethernet",
   "NodeServiceTag": "1281XC2",
   "PortNumber": "ethernet1/1/40",
   "Status": "Down",
   "AdminStatus": "Enabled",
   "CurrentSpeed": "0",
   "MaxSpeed": "0",
   "ConfiguredSpeed": "0",
   "OpticsType": "NotPresent",
   "BlinkStatus": "OFF",
   "Role": "Uplink"
}
```
/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:

```json
{

"@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": "9FJHSUIK1",

"Model": null,

"PowerState": 2,

"Status": 1000,

"AssetTag": "8KWYERN1",

"SystemId": 0,

"DeviceName": "Weaver1Node",

```

328    APIs specific to OpenManage Enterprise - Modular Edition
"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:

```json
{  
    "@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": "7IUJMNBJ",
            ""ChassisServiceTag": "3FHJSUIK1",
            ""Model": "ServerModel1",
            ""PowerState": 2,
            ""Status": 3000,
            ""AssetTag": "7IUJMNBJ",
            ""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"
                }
            ]
        }
    ]
}
```

330  APIs specific to OpenManage Enterprise - Modular Edition
/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

Example

Input:

Output:

```json
{
  "@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
      }
    }
  ]
}
```
"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-B1",
  "PortNumber": "41F2MN2: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-B2",
  "PortNumber": "41F4MN2: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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Privilege</th>
<th>HTTP response codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Returns a topology of the nodes and switches.</td>
<td>VIEW</td>
<td>200</td>
</tr>
</tbody>
</table>
/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:

```json
{   "@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"
          }]
      }
      ]
}
```

APIs specific to OpenManage Enterprise - Modular Edition
/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:**

```
{
  "@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"
}}
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 %3A12B1XC2')",
        "Id": "Switch12B1XC2",
        "Type": "NETWORK_IOM",
        "ParentNodeId": "SKY00201234567890123456789012345",
        "Location": "IOM-B1",
        "NodeInformation": {
            "@odata.type": "#NetworkService.NodeInformation",
            "Status": 1000,
            "Type": "WeaverSwitch",
            "ServiceTag": "12B1XC2",
            "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 %3A12B1XC2')/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",
        }
    }
]
/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
}
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:

```json
{
  "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"
        }
      ]
    }
  ]
}
```

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"
        }
      ]
    }
  ]
}
Table 145. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UplinkType</td>
<td>ID of the uplink type. For more information, see <code>/api/NetworkService/UplinkTypes</code>.</td>
</tr>
</tbody>
</table>

/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

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"
        }
    ]
}
```

/apini/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"
        },
    ]
}
```
/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:**

```
{
  "$odata.context": "/api/$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"
    }
  ]
}
```

**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:**

```json
{};
```

**Output:**

```json
{
  
  "@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": "2110",
      
      "Name": "Terminated"
    
  ],
  
  
    
      "@odata.type": ":NetworkService.EnumerationEntry",
      
      "Id": "2120",
      
      "Name": "Stalled"
    
  ],
  
  
    
      "@odata.type": ":NetworkService.EnumerationEntry",
      
      "Id": "2130",
      
      "Name": "Abandoned"
    
  ],
  
  
    
      "@odata.type": ":NetworkService.EnumerationEntry",
      
      "Id": "2140",
      
      "Name": "Abandoned"
    
  ],
  
  
    
      "@odata.type": ":NetworkService.EnumerationEntry",
      
      "Id": "2150",
      
      "Name": "Abandoned"
    
  ],
  
  
    
      "@odata.type": ":NetworkService.EnumerationEntry",
      
      "Id": "2160",
      
      "Name": "Abandoned"
    
  ]
}
```
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Provides access to the multi-chassis topology and validation errors.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:

Output:

```json
{
  "@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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the topology of a group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

Input:

Output:

```json
{
  /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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the list of nodes in an MCM group and their details.</th>
</tr>
</thead>
</table>
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:

```
{
  "@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:

```
{
  "@odata.context": "/api/$metadata#Collection(NetworkService.Node)"
}
```
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the list of fabric validation errors.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
</tbody>
</table>

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HTTP response codes

Example

Input:

Output:

```json
{
    "@odata.context": "/api/$metadata#Collection(NetworkService.ValidationError)",
    "@odata.count": 5,
    "value": [
        {
            "@odata.type": ":NetworkService.ValidationError",
            "@odata.id": "/api/NetworkService/MultiChassisDomain/ValidationErrors(43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-%5BICL-2_FORWARD%5D-NotFound-Issue)",
            "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-[ICL-2_FORWARD]-NotFound-Issue",
            "CategoryId": "FabricError",
            "SubCategoryId": "ISLError",
            "Severity": "Severity1",
            "ChassisName": "MX-SKY00212345678901234567890123456789012345",
            "ChassisServiceTag": "SKY0021234567890123456789012345",
            "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."
        },
        {
            "@odata.type": ":NetworkService.ValidationError",
            "@odata.id": "/api/NetworkService/MultiChassisDomain/ValidationErrors(43be623e-0d74-4f6d-87b3-3ea40bf6372d-Chassis-Issue)",
            "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-Chassis-Issue",
            "CategoryId": "FabricError",
            "SubCategoryId": "PlacementError",
            "Severity": "Severity2",
            "ChassisName": "MX-SKY002P12345678901234567890123456789012345",
            "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": ""
            }
        }
    ]
}
```

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"RecommendedAction": "Make sure that the HE IOMs are in different chassis",
"Timestamp": "1531280042"
},
{  "@odata.type": "#NetworkService.ValidationError",
  "@odata.id": "/api/NetworkService/MultiChassisDomain/ValidationErrors('43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-%5BICL-1_FORWARD%5D-NotFound-Issue')",
  "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-[ICL-1_FORWARD]-NotFound-Issue",
  "MessageId": "NFAB0012",
  "Category": "FabricError",
  "SubCategory": "ISLError",
  "Severity": "Severity1",
  "ChassisName": "MX-SKY002012345678901234567890123456789012345",
  "ChassisServiceTag": "SKY00201234567890123456789012345",
  "Description": "Unable to validate the fabric because the design link ICL-1_FORWARD not connected as per design 2NodeHESameChassis.",
  "ProblemLink":
  {  "SourceNode": "DPM4XC1",
     "SourceInterface": "DPM4XC1:ethernet1/1/42",
     "DestinationNode": "1ZB1XC2",
     "DestinationInterface": "1ZB1XC2:ethernet1/1/42"
  },
  "RecommendedLink":
  {  "SourceNode": "DPM4XC1",
     "SourceInterface": "DPM4XC1:ethernet1/1/42",
     "DestinationNode": "1ZB1XC2",
     "DestinationInterface": "1ZB1XC2:ethernet1/1/42"
  },
  "RecommendedAction": "Make sure that the links are connected as per design.",
  "Timestamp": "1531280042"
},
{  "@odata.type": "#NetworkService.ValidationError",
  "@odata.id": "/api/NetworkService/MultiChassisDomain/ValidationErrors('43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-%5BICL-2_REVERSE%5D-NotFound-Issue')",
  "Id": "43be623e-0d74-4f6d-87b3-3ea40bf6372d-ISL-[ICL-2_REVERSE]-NotFound-Issue",
  "MessageId": "NFAB0012",
  "Category": "FabricError",
  "SubCategory": "ISLError",
  "Severity": "Severity1",
  "ChassisName": "MX-SKY002012345678901234567890123456789012345",
  "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"
  }
]
```
/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
/api/NetworkService /ServerProfiles(arg1)

This URI is used to update the service tag of server profiles in the Fabric Manager.

**GET method for updating server profile IDs**

This method returns the service tag of the server profile.

**Description**
Returns the service tag of the server profile in the Fabric Manager.

**Privilege**
VIEW

**Http response code**
200

**Example**

```json
Input:
Output:
{   "@odata.context": "/api/$metadata#NetworkService.ServerProfile/$entity",
    "@odata.type": ">#NetworkService.ServerProfile",
    "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')",
    "Id": "PFSTN16",
    "ServerServiceTag": "PFSTN16",
    "ServerInterfaceProfiles@odata.navigationLink": "/api/NetworkService/ServerProfiles('PFSTN16')/ServerInterfaceProfiles"
}
```
Table 146. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Server profile identifier.</td>
</tr>
<tr>
<td>ServerServiceTag</td>
<td>Service tag of the server.</td>
</tr>
</tbody>
</table>

**NOTE:** When the server profile is created using the server deployment process, the server profile id gets set as the service tag of the server.

**PUT method for updating server profile IDs**

This method updates the server profile IDs.

**Description**

Updates the server profile IDs.  

**NOTE:** To run this URI you must have an existing server profile that is deployed using the server deployment workflow, in the system.

**Privilege**

FABRIC_MANAGEMENT

**HTTP response codes**

201

**Example**

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

Output: 

true

Table 147. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Server profile identifier.</td>
</tr>
<tr>
<td>ServerServiceTag</td>
<td>Service tag of the server.</td>
</tr>
</tbody>
</table>
| ServerInterfaceProfiles | Sub payload that takes information associated with a server NIC.  
The request can take one or more server interface profiles, as part of the payload. |
| ServerInterfaceProfiles/Id | Server NIC identifier.                                                               |
| ServerInterfaceProfiles/NativeVLAN | Untagged VLAN configured for the given NIC. |
| ServerInterfaceProfiles/Networks/Id | Tagged VLANs configured for the given NIC.  
The input required here is the identifier of the NW profile with which you want to associate the NIC.  
For more information on Network model definitions, refer to Network Configuration Service. |
This URI returns the server interface profiles that are configured for a server profile in the Fabric Manager.

**GET method for server interface profiles**

This method returns the server interface profiles.

**Description**

Returns the server interface profiles that are configured for a server profile in the Fabric Manager.

**Privilege**

VIEW

**HTTP response codes**

200

**Example**

```json
Input:
Output:
{
    "@odata.context": "$/api/NetworkService.ServerInterfaceProfile",
    "@odata.count": 2,
    "value": [
        {
            "@odata.type": "#NetworkService.ServerInterfaceProfile",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')",
            "Id": "NIC.Mezzanine.1A-1-1",
            "OnboardedPort": "GQ61XC2:ethernet1/1/4",
            "NativeVLAN": 18,
            "Networks@odata.count": 2,
            "Networks": [
                {
                    "@odata.type": "#NetworkConfigurationService.Network",
                    "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/ServerInterfaceProfiles/Networks(25076)",
                    "Id": 25076,
                    "Name": "10",
                    "Description": "10",
                    "VlanMaximum": 10,
                    "VlanMinimum": 10,
                    "Type": 1,
                    "CreatedBy": "system",
                    "CreationTime": "1970-01-31 00:08:21.946",
                    "UpdatedBy": null,
                    "UpdatedTime": "1970-01-31 00:08:21.946",
                    "InternalRefNWUUId": "991f2843-376e-49f3-a407-e518f1d85ba"
                },
                ...
            ],
            "@odata.type": "#NetworkService.ServerInterfaceProfile",
            "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/ServerInterfaceProfiles('NIC.Mezzanine.1A-2-1')",
            "Id": "NIC.Mezzanine.1A-2-1",
            "OnboardedPort": "8T61XC2:ethernet1/1/4",
            "NativeVLAN": 0,
            "Networks@odata.count": 0,
            "Networks": []
        }
    ]
}
```
### Table 148. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Server interface profile identifier.</td>
</tr>
<tr>
<td>OnboardedPort</td>
<td>IOM port that is connected to the NIC that is onboarded.</td>
</tr>
<tr>
<td>NativeVLAN</td>
<td>Untagged VLAN configured for the given NIC.</td>
</tr>
<tr>
<td>Networks</td>
<td>Tagged VLANs configured for the NIC. This information is encapsulated as NW profiles. For more information on Network model definitions, refer to Network Configuration Service.</td>
</tr>
</tbody>
</table>

/api/NetworkService/ServerProfiles(arg1)/ServerInterfaceProfiles(arg2)

This URI returns the server profile ID of a server profile in the Fabric Manager.

**GET method for server interface profile IDs**

This method returns server interface profile IDs.

- **Description**: Returns server interface profile ID of a server profile in the Fabric Manager.
- **Privilege**: VIEW
- **HTTP response codes**: 200
- **Example**

  Input:
  
  ```
  
  Output:
  
  ```

/api/NetworkService/ServerProfiles(arg1)/ServerInterfaceProfiles(arg2)/Networks(arg3)

This URI returns the configured tagged VLANs for a server profile in the Fabric Manager.

**GET method for tagged VLANs of a specific server interface profile**

This method returns configured tagged VLANs.

- **Description**: Returns the tagged VLANs that are configured for a server interface profile.
- **Privilege**: VIEW
- **HTTP response code**: 200
- **Example**

  Input:
  
  ```
  
  Output:
  
  ```
/api/NetworkService/ServerProfiles(arg1)/ServerInterfaceProfiles(arg2)/Networks

This URI returns tagged VLANs that are configured for server profiles.

GET method for tagged VLANs configured for server interface profiles

This method returns all tagged VLANs of a server interface profile.

**Description**
Returns all tagged VLANs that were configured for a specific server interface profile in the Fabric Manager.

**Privilege**
VIEW

**HTTP response code**
200

**Example**

Input:
```
{}
```

Output:
```
{
   "@odata.context": "/api/$metadata#Collection(NetworkConfigurationService.Network)",
   "@odata.count": 2,
   "value": [
      {
         "@odata.type": ":NetworkConfigurationService.Network",
         "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')/Networks(25076)",
         "Id": 25076,
         "Name": "10",
         "Description": "10",
         "VlanMaximum": 10,
         "VlanMinimum": 10,
         "Type": 1,
         "CreatedBy": "system",
         "CreationTime": "1970-01-31 00:08:21.946",
         "UpdatedBy": null,
         "UpdatedTime": "1970-01-31 00:08:21.946",
         "InternalRefNWUUId": "991f2843-376e-49f3-a407-e5118f1d85ba"
      },
      {
         "@odata.type": ":NetworkConfigurationService.Network",
         "@odata.id": "/api/NetworkService/ServerProfiles('PFSTN16')/ServerInterfaceProfiles('NIC.Mezzanine.1A-1-1')/Networks(25077)",
         "Id": 25077,
         "Name": "15",
         "Description": "15",
         "VlanMaximum": 15,
         "VlanMinimum": 15,
         "Type": 4,
         "InternalRefNWUUId": "991f2843-376e-49f3-a407-e5118f1d85ba"
      }
   ]
}
```
For more information on Network model definitions, refer to Network Configuration Service.

/api/NetworkService/Actions/
NetworkService.ApplyServersInterfaceProfiles

This URI updates one or more server profile IDs at a time.

You can also use this URI to set multiple server profiles at a time. A job is created in the OME - Modular web interface to track the progress of the server profile configuration task.

**NOTE:** To run the API, you must have an existing server profile, which is deployed using the server deployment process, in the system.

**POST method for updating multiple server profile IDs**

This method updates the IDs of server profiles.

<table>
<thead>
<tr>
<th>Description</th>
<th>Updates the server profile IDs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>FABRIC_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>201</td>
</tr>
</tbody>
</table>

**Example**

Input:

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

Output:

```json
{
    "JobId": 25546
}
```
<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JobId</td>
<td>ID of the job that is created as part of the request. You can track the progress of the request using the Job ID.</td>
</tr>
</tbody>
</table>

## 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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Configures the minimum and maximum MTU values.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>DEVICE_CONFIGURATION</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>201</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Enables or disables auto-negotiation.</th>
</tr>
</thead>
</table>

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**

```json
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":360
]

Output:
```

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POST method for configuration port speed

This method configures the port speed.

**Description**
Configures the port speed.

**Privilege**
DEVICE_CONFIGURATION

**HTTP response codes**
201

**Example**

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

Output:

### Table 150. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TargetType (Id)</td>
<td>Network IOM device ID.</td>
</tr>
<tr>
<td>InterfaceId</td>
<td>Port name.</td>
</tr>
<tr>
<td>Key</td>
<td>Operation name. Depending on the type of configuration you want to perform, select the operation name as provided in the Input snippet.</td>
</tr>
</tbody>
</table>

**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

```json
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
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": "CLEAR_STORAGE_ASSIGNMENT"
    },
    {
      "Key": "assignmentMode",
      "Value": "1"
    }
  ],
  "Targets": [
    {
      "Id": <Insight/Storage Sled Device Id>,
      "Data": "",
      "TargetType": {
        "Id": 1000,
        "Name": "DEVICE"
      }
    }
  ]
}

Output:

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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:

```json
{
   "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:

```json
"Key": "driveSlotIds",
"Value": "<Drive Slot Ids e.g. 0,1,2,...15>
"
```

```json
"Key": "serverSlots",
"Value": "<Server Slots e.g. 1>
"
```

```json
"Targets": [
   {
      "Id": <Insight/Storage Sled Device Id>,
      "Data": "",
      "TargetType": {
         "Id": 1000,
         "Name": "DEVICE"
      }
   }
]
```

`Output:`

364

APIs specific to OpenManage Enterprise - Modular Edition
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**

```json
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**

```json
Input:
{
    "JobName": "Clear Config",
    "JobDescription": "Clear Storage IOM Config",
    "Schedule": "startnow",
    "State": "Enabled",
```
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**

```json
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"
        }
    ]
}
```

Output:

```
"JobType": {
    "Id": 3,
    "Name": "DeviceAction_Task"
},
"Params": [
    {
        "Key": "operationName",
        "Value": "CLEAR_CONFIG"
    }
],
"Targets": [
    {
        "Id": <Active IOM Device Id>,
        "Data": "",
        "TargetType": {
            "Id": 1000,
            "Name": "DEVICE"
        }
    }
]
```
POST method for exporting SAS IOM logs to CIFS share

**Description**
Creates a job to extract logs from SAS IOM to a 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",
        }
    ]
}
```

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 a 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",
        }
    ]
}
```
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"
  }
}
```
Output:
{
    "Id": 0,
    "JobName": "Quick Deploy Task 1",
    "JobDescription": "Quick Deploy Task",
    "Schedule": "startnow",
    "State": "Enabled",
    "JobType": {
        "Id": 27,
        "Name": "QuickDeploy_Task"
    },
    "Params": [
        {
            "Key": "operationName",
            "Value": "SERVER_QUICK_DEPLOY"
        },
        {
            "Key": "deviceId",
            "Value": "1016"
        },
        {
            "Key": "rootCredential",
            "Value": "calvin"
        },
        {
            "Key": "networkTypeV4",
            "Value": "Static"
        },
        {
            "Key": "protocolTypeV4",
            "Value": "true"
        },
        {
            "Key": "subnetMaskV4",
            "Value": "255.255.255.0"
        },
        {
            "Key": "gatewayV4",
            "Value": "255.255.255.0"
        },
        {
            "Key": "networkTypeV6",
            "Value": "Static"
        },
        {
            "Key": "protocolTypeV6",
            "Value": "true"
        },
        {
            "Key": "prefixLength",
            "Value": "0"
        },
        {
            "Key": "gatewayV6",
            "Value": "255.255.255.0"
        },
        {
            "Key": "SlotId=1",
            "Value": "SlotSelected=true;SlotType=3000;IPV4Address=10.27.0.1;IPV6Address=ax0"
        },
        {
            "Key": "SlotId=2",
            "Value": "SlotSelected=true;SlotType=2000;IPV4Address=10.35.0.25;IPV6Address="
        }
    ]
}
Table 151. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of job. The default ID for POST is 0.</td>
</tr>
<tr>
<td>JobName</td>
<td>Name of the Quick-Deploy Job.</td>
</tr>
<tr>
<td>JobDescription</td>
<td>Description of the Quick-Deploy Job.</td>
</tr>
<tr>
<td>Schedule</td>
<td>The schedule to start the Job. Quick-Deploy is startnow.</td>
</tr>
<tr>
<td>State</td>
<td>Indicates if the job is enabled or disabled.</td>
</tr>
<tr>
<td>JobType</td>
<td>ID of the job type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the job type.</td>
</tr>
<tr>
<td>Params</td>
<td></td>
</tr>
<tr>
<td>operationName</td>
<td>Name of the Quick-Deploy operation.</td>
</tr>
<tr>
<td>deviceId</td>
<td>Device ID indicates the Chassis ID.</td>
</tr>
<tr>
<td>rootCredential</td>
<td>Root user password.</td>
</tr>
<tr>
<td>networkTypeV4</td>
<td>Indicates if the IPv4 is static or dynamic.</td>
</tr>
<tr>
<td>protocolTypeV4</td>
<td>Indicates whether IPv4 protocol is selected.</td>
</tr>
<tr>
<td>subnetMaskV4</td>
<td>IPv4 Subnetwork mask associated with the configuration. Applicable when static IPv4 is selected.</td>
</tr>
<tr>
<td>gatewayV4</td>
<td>IPv4 gateway IP associated with the configuration. Applicable when static IPv4 is selected.</td>
</tr>
<tr>
<td>networkTypeV6</td>
<td>Indicates if the IPv6 is static or dynamic.</td>
</tr>
<tr>
<td>protocolTypeV6</td>
<td>Indicates whether IPv6 protocol is selected.</td>
</tr>
<tr>
<td>prefixLength</td>
<td>Used for IPv6 subnet mask. Applicable when static IPv6 is selected.</td>
</tr>
<tr>
<td>gatewayV6</td>
<td>IPv6 gateway IP associated with the configuration. Applicable when static IPv6 is selected.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| SlotId=<slot_id> | Indicates the slot where the settings are applied if slot selected is True.  
Example: 
```
SlotSelected=true;SlotType=3000;IPV4Address=10.27.0.1;IPV6Address=ax0
```
| SlotSelected = true or false. Indicates if the slot is selected for applying Quick Deploy. |
| SlotType = The type of slot. |
| Sled type is 2000. |
| IPV4Address = IPV4 address to be set at slot level. |
| IPV6Address = 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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the update job status of OpenManage Enterprise.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response code</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Output:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.context&quot;: &quot;/api/$metadata#Collection(ConsoleUpdateService.Update)&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.count&quot;: 1,</td>
</tr>
<tr>
<td></td>
<td>&quot;value&quot;: [</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;Version&quot;: &quot;3.0.0.1008&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;ComponentName&quot;: &quot;OME&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;Description&quot;: &quot;New features include MX7000 support, Virtual identity management and migration, OMM integration, Alert policy actions for foreign devices, Guided server templates&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;Auto&quot;: false,</td>
</tr>
<tr>
<td></td>
<td>&quot;LastUpdateDateTime&quot;: &quot;Fri Sep 14 17:08:06 UTC 2018&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>

### Mobile

**/api/AlertService/MobileSubscriptions**

This URI returns all mobile subscriptions.

**GET method for MobileSubscriptions**

This method returns all the mobile subscriptions.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns all the mobile subscriptions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response code</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Output:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.context&quot;: &quot;$metadata#Collection(AlertService.MobileSubscription)&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.count&quot;: 1,</td>
</tr>
<tr>
<td></td>
<td>&quot;value&quot;: [</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.id&quot;: &quot;/api/AlertService/MobileSubscriptions('7cb19d45-cae5-4eesdf6sdfsaaasd02daf-asd8a5fcefdsdf00a85')&quot;),</td>
</tr>
<tr>
<td></td>
<td>&quot;IdDevice&quot;: &quot;7cb19d45-cae5-4eesdf6-sdfsaaasd02daf-asd8a5fcefdsdf00a85&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;IdSubscriberService&quot;: 1,</td>
</tr>
<tr>
<td></td>
<td>&quot;Status&quot;: 1,</td>
</tr>
<tr>
<td></td>
<td>&quot;UserName&quot;: &quot;danl&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;Enabled&quot;: true,</td>
</tr>
<tr>
<td></td>
<td>&quot;AlertPolicyId&quot;: 414,</td>
</tr>
<tr>
<td></td>
<td>&quot;AlertPolicyName&quot;: &quot;Default Profile Update Policy&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;Token&quot;:</td>
</tr>
</tbody>
</table>

**APIs specific to OpenManage Enterprise** 373
/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,
}
/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-asd8aasd5fcefdf00a85"] |

/api/AlertService/Actions/AlertService.EnableSubscriptionNotificationService
This URI enables the mobile subscription notifications.

**POST method for AlertService.EnableSubscriptionNotificationService**
This method enables notifications of mobile subscriptions.

| Description | Enables notifications of mobile subscriptions. |
| Privilege   | MONITORING_SETUP                             |
| HTTP response codes | 200                          |
| Example     | Input: 
{  
   "Enable":"false"  
} |

/api/AlertService/Actions/AlertService.FilterAlertsByPolicy
This URI filters the alerts by using the policy ID.

**GET method for AlertService.FilterAlertsByPolicy**
This method returns alerts based on the policy ID.

| Description | Returns alerts based on the policy ID. |
| Privilege   | VIEW                                |
| HTTP response codes | 200                          |
| Example     | Input: 
{  
   "PolicyId": 14164,  
   "Top": 2,  
} |
"Skip": 1
}
Output:
{
   "@odata.context": "/api/$metadata#Collection(AlertService.Alert)",
   "@odata.count": 1,
   "value": [
      {
         "@odata.type": "#AlertService.Alert",
         "@odata.id": "/api/AlertService/Alerts(1)",
         "Id": 1,
         "SeverityType": 2,
         "SeverityName": "Info",
         "AlertDeviceId": 0,
         "AlertDeviceName": "10.210.137.100",
         "AlertDeviceType": 0,
         "AlertDeviceIpAddress": "xx.xx.xx.xx",
         "AlertDeviceMacAddress": null,
         "AlertDeviceIdentifier": null,
         "AlertDeviceAssetTag": null,
         "DefinitionId": -126170178,
         "CatalogName": "OMSA",
         "CategoryId": 1000,
         "CategoryName": "System Health",
         "SubCategoryId": 61,
         "SubCategoryName": "Redundancy",
         "StatusType": 2000,
         "StatusName": "Not-Acknowledged",
         "TimeStamp": "2018-09-10 17:45:46.967",
         "Message": "Redundancy has returned to normal.; Received from address: 10.210.137.100",
         "EemiMessage": "Instrumentation didn't provide any detailed description for this event.",
         "RecommendedAction": "Instrumentation didn't provide any recommended action for this event.",
         "AlertMessageId": "N/A",
         "AlertVarBindDetails": "<?xml version="1.0" encoding="utf-8"?><trap><agentAddress>10.210.137.100</agentAddress><enterpriseOID>.1.3.6.1.4.1.674.10892.1</enterpriseOID><specificTrapId>1304</specificTrapId><varbinds><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.1.0</oid><datatype>OctetString</datatype><value></value></varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.2.0</oid><datatype>OID</datatype><value>1.3</value></varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.3.0</oid><datatype>OctetString</datatype><value></value></varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.4.0</oid><datatype>Integer32</datatype><value>0</value></varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.5.0</oid><datatype>Integer32</datatype><value>0</value></varbind><varbind><oid>1.3.6.1.4.1.674.10892.1.5000.10.6.0</oid><datatype>OctetString</datatype><value></value></varbind></varbinds></trap>",
         "AlertMessageType": "SNMP",
         "MessageArgs": "",
         "AlertDeviceGroup": 0
      }
   ]
}
Input:
{
    "ConsoleSetting": [
    {
        "Name": "DEVICE_PREFERRED_NAME",
        "DefaultValue": "SYSTEM_NAME",
        "Value": "PREFER_NETBIOS,PREFER_IDRAC_SYSTEM_HOSTNAME",
        "DataType": "",
        "GroupName": ""
    },
    {
        "Name": "INVALID_DEVICE_HOSTNAME",
        "Value": "localhost,localhost.localdomain,not defined,pv132t,pv136t,default,dell,idrac-"
    },
    {
        "Name": "COMMON_MAC_ADDRESSES",
        "Value": "00:53:45:00:00:00,33:50:6F:45:30:30,50:50:54:50:30:30,00:00:FF:FF:FF:FF,20:41:53:59:4E:FF,00:00:00:00:00:00,20:41:53:59:4E:ff,00:00:00:00:00:00"
    }
]
}

POST method for SMB settings
Description: Configures the OpenManage Enterprise SMB settings.
Privilege: APPLIANCE_SETUP
HTTP response codes: 200
Example
Input:
{
    "Name": "SHARE_SETTING",
    "DefaultValue": "disable_V_1",
    "Value": "enable_V_1",
    "DataType": ",",
    "GroupName": ""
}

POST method for DeviceHealth settings
Description: Configures the OpenManage Enterprise device health settings.
Privilege: APPLIANCE_SETUP
HTTP response codes: 200
Example
Input:
"ConsoleSetting": [
    {
        "Name": "CONSOLE_CONNECTION_SETTING",
        "DefaultValue": "last_known",
        "Value": "unknown",
        "DataType": "java.lang.String",
        "GroupName": "CONSOLE_CONNECTION_SETTING"
    }
]
**PUT method for Jobs(10011)**

**Description**: Configures the health poll interval for the device health settings.

**Privilege**: JOB_MANAGEMENT

**HTTP response codes**: 200

**Example**

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

---

**POST method for ReportSettings**

**Description**: Configures the maximum limit for the reports.

**Privilege**: APPLIANCE_SETUP

**HTTP response codes**: 200

**Example**

```json
Input:
{
    "ConsoleSetting": [
        {
            "Name": "REPORTS_MAX_RESULTS_LIMIT",
            "DefaultValue": "1000",
            "Value": 998,
            "DataType": "java.lang.Integer"
        }
    ]
}
```

---

**POST method for EmailSender settings**

**Description**: Configures the email sender settings.

**Privilege**: APPLIANCE_SETUP

**HTTP response codes**: 200

**Example**

```json
Input:
{
    "ConsoleSetting": [
        {
            "Name": "REPORTS_MAX_RESULTS_LIMIT",
            "Value": "",
            "DataType": "java.lang.Integer"
        }
    ]
}
```
POST method for TrapForwarding

Description
Configures the OpenManage Enterprise trap forwarding settings.

Privilege
APPLIANCE_SETUP

HTTP response codes
200

Example
Input:
{
  "ConsoleSetting": [
    {
      "Name": "TRAP_FORWARDING_SETTING",
      "DefaultValue": "true",
      "Value": "Normalized",
      "DataType": "java.lang.String",
      "GroupName": ""
    }
  ]
}

Alerts

https://<IP>/api/ApplicationService/Settings

POST method for Alert Display settings

Description
Configures the alerts to be displayed on the alerts log page.

Privilege
APPLIANCE_SETUP

HTTP response codes
200

Example
Input:
{
  "ConsoleSetting": [
    {
      "Name": "ALERT_ACKNOWLEDGEMENT_VIEW",
      "DefaultValue": "2000",
      "Value": 1000,
      "DataType": "java.lang.Integer",
      "GroupName": ""
    }
  ]
}

APIs specific to OpenManage Enterprise 379
**https://<IP>/api/AlertService/AlertDestinations/SMTPConfiguration**

**POST method for SMTPConfiguration**

**Description**
Configures the email and SMTP configuration for alerts.

**Privilege**
MONITORING_SETUP

**HTTP response codes**
200

**Example**

```
Input:
{
  "DestinationAddress": "10.35.2.0",
  "UseCredentials": true,
  "PortNumber": 25,
  "UseSSL": true,
  "Credential": {
    "User": "root",
    "Password": "calvin"
  }
}
```

**https://<IP>/api/AlertService/AlertDestinations/Actions/AlertDestinations.ApplySNMPConfig**

**POST method for AlertDestinations.ApplySNMPConfig**

**Description**
Configures the SNMP server for alerts.

**Privilege**
MONITORING_SETUP

**HTTP response codes**
200

**Example**

```
Input:
[
  {
    "Id": 1,
    "Enabled": true,
    "DestinationAddress": "10.32.19.125",
    "PortNumber": 162,
    "Version": "SNMPV2",
    "SnmpV1V2Credential": {
      "Community": "public"
    },
    "SnmpV3Credential": null
  },
  {
    "Id": 2,
    "Enabled": false,
    "DestinationAddress": null,
    "PortNumber": 0,
    "Version": null,
    "SnmpV1V2Credential": null,
    "SnmpV3Credential": null
  },
  {
    "Id": 3,
    "Enabled": false,
    "DestinationAddress": null,
    "PortNumber": 0,
    "Version": null,
    "SnmpV1V2Credential": null,
    "SnmpV3Credential": null
  }
]
```
https://<IP>/api/AlertService/AlertDestinations/Actions/AlertDestinations.ApplySyslogConfig

POST method for AlertDestinations.ApplySyslogConfig

Description
Configures the server for alerts.

Privilege
MONITORING_SETUP

HTTP response codes
200

Example
Input:
[
    {
        "Id": 1,
        "Enabled": true,
        "DestinationAddress": "100.69.123.200",
        "PortNumber": 514
    },
    {
        "Id": 2,
        "Enabled": false,
        "DestinationAddress": "",
        "PortNumber": 514
    },
    {
        "Id": 3,
        "Enabled": false,
        "DestinationAddress": null,
        "PortNumber": 514
    },
    {
        "Id": 4,
        "Enabled": false,
        "DestinationAddress": null,
        "PortNumber": 514
    }
]

Incoming Alerts

https://<IP>/api/ApplicationService/Settings

POST method for Jobs

Description
Configures the SNMP configuration for incoming alerts.

Privilege
JOB_MANAGEMENT
HTTP response codes

Example

Input:
{
    "Id": <JobId>,// Refer task api to get the jobId for this Job name.
    "JobName": "SNMP Listener Configuration",
    "JobDescription": "SNMP Listener Task created from Alert Settings",
    "Schedule": "startnow",
    "State": "Enabled",
    "JobType": {
        "id": 9,
        "Name": "ListenerConfiguration_Task"
    },
    "Params": [
        {
            "JobId": 0,
            "Key": "snmpCredentials",
            "Value": {
                "securityName": "root",
                "authenticationProtocol": "NONE",
                "authenticationPassphrase": ",",
                "privacyProtocol": "NONE",
                "privacyPassphrase": ",",
                "localizationEngineID": null,
                "community": "lex",
                "port": 162,
                "enableV3": true,
                "enableV1V2": false,
                "retries": 3,
                "timeout": 3
            }
        },
        {
            "JobId": 0,
            "Key": "protocolType",
            "Value": "SNMP"
        },
        {
            "JobId": 0,
            "Key": "enableV1",
            "Value": "true"
        },
        {
            "JobId": 0,
            "Key": "enableV2",
            "Value": "true"
        },
        {
            "JobId": 0,
            "Key": "enableV3",
            "Value": "true"
        },
        {
            "JobId": 0,
            "Key": "alertPort",
            "Value": "162"
        },
        {
            "JobId": 0,
            "Key": "communityString",
            "Value": "lex"
        },
        {
            "JobId": 0,
            "Key": "overwriteUSM",
            "Value": "true"
        }
    ]
}
Warranty

https://<IP>/api/ApplicationService/Settings

POST method for Warranty settings

<table>
<thead>
<tr>
<th>Description</th>
<th>Creates the warranty settings.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>APPLIANCE_SETUP</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

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

Troubleshoot service

The troubleshoot service methods retrieve TechSupport Report (TSR) or diagnostic log files from the managed systems—iDRACs. The troubleshoot service also has methods to retrieve various service logs from the appliance.

/api/JobService/Jobs

This URI is used to create a TSR or diagnostic job.

POST method for Jobs

This method creates a TSR or diagnostic job.

<table>
<thead>
<tr>
<th>Description</th>
<th>Creates a TSR or diagnostic job.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>JOB_MANAGEMENT, DEVICE_CONFIGURATION</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example to create a TSR job

```json
Input:
{
  "Id":0,
  "JobName":"TSR",
  "JobDescription":"TSRTask",
  "Schedule":"startnow",
  "State":"Enabled",
  "JobType":
    {
      "Id":125,
      "Name":"Diagnostic_Task"
    },
  "Params":
    [
      {
        "Key":"deviceTypes",
        "Value":"1000"
      }
    ]
}
```
Example to create a diagnostic job

Input:
```
{};
{  
  "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"  
    }  
  }  
],
"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"  
  }
]}
```
/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**

```
"value": [
  {
    "@odata.type": "#TroubleshootService.FileResponseModel",
    "DeviceId": 25085,
    "DeviceOperation": "SERVER_EXECUTE_TSR",
    "JobId": 0,
    "FileName": "TSR.zip",
    "FilePath": "/shared/dell/omc/cifs/idrac/F3TPXK2/SERVER_EXECUTE_TSR/TSR/TSR.zip"
  }
]
```
Table 152. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeviceId</td>
<td>Device ID of the output file.</td>
</tr>
<tr>
<td>DeviceOperation</td>
<td>'SERVER_DIAGNOSTIC' to retrieve diagnostic files</td>
</tr>
<tr>
<td></td>
<td>'SERVER_EXECUTE_TSR' to retrieve TSR files</td>
</tr>
</tbody>
</table>

/\api/TroubleShootService/Actions/TroubleShootService.GetTroubleShootDocument

This URI represents TSR/Diagnostic job reports.

**POST method for TroubleShootService.GetTroubleShootDocument**

This method extracts TSR/Diagnostic job reports.

<table>
<thead>
<tr>
<th>Description</th>
<th>Extracts TSR/Diagnostic job reports.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>JOB_MANAGEMENT, DEVICE_CONFIGURATION</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;DeviceId&quot;:0,</td>
</tr>
<tr>
<td></td>
<td>&quot;DeviceOperation&quot;:&quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;JobId&quot;:0,</td>
</tr>
<tr>
<td></td>
<td>&quot;FilePath&quot;:&quot;/shared/dell/omc/cifs/idrac/F3TPXK2/SERVER_EXECUTE_TSR/TSR/TSR.zip&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>

/\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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Retrieves the appliance service log files.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Output: java.io.File</td>
</tr>
</tbody>
</table>
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes all available archived console logs on the appliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns summary information for all queries for reports.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**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": []
    }
  ]
}
```
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns summary information for a specific query.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Output:

```json
{
  "@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": []
}
```
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
    }
  ]
}
```
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
}
```

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,
```
"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": []}]}
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:

```json
[
  {
    "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
  }
]```
APIs specific to OpenManage Enterprise
Table 153. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique identifier of the filter (query).</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the filter.</td>
</tr>
<tr>
<td>UsageId</td>
<td>1=Query Group, 2=Report</td>
</tr>
<tr>
<td>FilterText</td>
<td>Unused</td>
</tr>
<tr>
<td>ContextId</td>
<td>The Query Context identifier of the filter. It should match the Query Context ID in the request.</td>
</tr>
</tbody>
</table>

/\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 |
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,
            "FieldTypeId": 2
        }
    ]
}
"Name": "String",
"OperatorIds": [
  1,
  2,
  3,
  4,
  5,
  6,
  11,
  12,
  13,
  8,
  9,
  10
],
"FieldTypeId": 2,
"Name": "Number",
"OperatorIds": [
  1,
  2,
  3,
  4,
  5,
  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
]
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/QuerySupportService/FilterCollection",
  "@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": []
    }
  ]
}
```
/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns detailed information for a specific query filter.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Output:

```json
{
"@odata.context": "/api/$metadata#QuerySupportService.Filter/$entity",
"@odata.type": "+QuerySupportService.Filter",
"@odata.id": "/api/QuerySupportService/Filters(1007)",
"Id": 1007,
"Name": "",
"UsageId": 0,
"FilterText": "",
"ContextId": 2,
"Conditions": [
{
"LogicalOperatorId": 0,
"LeftParen": true,
"FieldId": 59,
"OperatorId": 1,
"Value": "101",
"RightParen": true
},
{
"LogicalOperatorId": 2,
"LeftParen": true,
"FieldId": 59,
"OperatorId": 1,
"Value": "102",
"RightParen": true
},
{
"LogicalOperatorId": 2,
"LeftParen": true,
"FieldId": 59,
"OperatorId": 1,
"Value": "202",
"RightParen": true
},
{
"LogicalOperatorId": 2,
"LeftParen": true,
"FieldId": 59,
"OperatorId": 1,
"Value": "203",
"RightParen": true
}
]
}
```
Groups service

/api/GroupService/Groups
This URI represents the groups.

POST method for Groups
This method creates a group.

Description
Creates a group.

Privilege
DEVICE_CONFIGURATION

HTTP response codes
201

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

Output:
{
  "Id": 1564,
  "Name": "Test Group1",
  "Description": "Test Group1",
  "TypeId": 3000,
  "MembershipTypeId": 12,
  "GlobalStatus": 0,
  "ParentId": 0,
  "CreatedBy": "root",
  "UpdatedBy": "",
  "CreationTime": "2017-06-08 20:14:37.252",
  "UpdatedTime": "2017-06-08 20:14:37.252",
  "Visible": true,
  "Editable": true,
  "DefinitionId": 400,
  "DefinitionDescription": "UserDefined"
}

/api/GroupService/Groups(Id)/SubGroups(Id)
This URI represents a subgroup within a group. While using this URI, provide the ID of the parent group and the ID of the subgroup.

DELETE method for SubGroups(Id)
This method deletes a subgroup.

Description
Deletes a subgroup.

Privilege
DEVICE_CONFIGURATION
HTTP response codes

Example

Table 155. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id—Groups(Id)</td>
<td>ID of the parent group.</td>
</tr>
<tr>
<td>Id—SubGroups(Id)</td>
<td>ID of the subgroup.</td>
</tr>
</tbody>
</table>

/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

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

Example

```
```

APIs specific to OpenManage Enterprise
Example

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

/api/GroupService/Groups(500)/EventSeveritySummary?$filter=StatusType eq 2000
This URL represents the count of unacknowledged alerts.

GET method for EventSeveritySummary?$filter=StatusType eq 2000
This method returns the count of unacknowledged alerts.
Description
Returns the count of unacknowledged alerts.

/api/GroupService/Groups(500)/EventSeveritySummary?$filter=StatusType eq 1000
This URL represents the count of acknowledged alerts.

GET method for EventSeveritySummary?$filter=StatusType eq 1000
Description
This method returns the count of acknowledged alerts.

/api/GroupService/Groups(500)/EventSeveritySummary?$filter=StatusType eq 1
This URL represents the count of all the alerts.

GET method for EventSeveritySummary?$filter=StatusType eq 1
Description
This method returns the count of all the alerts.

/api/GroupService/GroupAudits
This URI represents the group hierarchy.

GET method for GroupAudits
This method returns device groups and groups hierarchy changes.
Description
Returns device groups and groups hierarchy changes.
/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
/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:

```
{
    "GroupId": 25003,
    "Name": "Name update",
    "MembershipTypeId": 12,
    "ParentId": 1021
}
```

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Adds devices to a group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>GROUP_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

```json
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Removes device(s) from a group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>GROUP_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

```json
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Adds user to a group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>GROUP_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

```json
Input:
{
  "GroupId":2614,
  "MemberDeviceIds" : [2514]
}
```
Example

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

Auto deploy

/api/AutoDeployService/Targets

This URL is used to get all the auto deploy targets.

GET method for Targets

Description
This method is used to get all the auto deploy targets.

Privilege
AUTO_DEPLOY_MANAGEMENT

HTTP response codes
200

Example

Input:
Output:
{
    "$odata.context": "/api/$metadata#Collection(AutoDeployService.AutoDeployTarget)",
    "$odata.count": 2,
    "value": [
        {
            "$odata.type": "#AutoDeployService.AutoDeployTarget",
            "$odata.id": "/api/AutoDeployService/Targets(7)",
            "AutoDeployDeviceId": 7,
            "Identifier": "DT3Y6S1",
            "TemplateId": 9,
            "TemplateTypeId": 2,
            "TemplateName": "test-migrate",
            "GroupName": null,
            "IsBootToNetworkIso": false,
            "ShareIp": null,
            "ShareType": null,
            "IsoPath": null,
            "TaskId": 0,
            "TaskLastRunStatusId": 2200,
            "CreatedBy": "admin",
            "CreatedOn": "2019-05-15 17:24:29.411303"
        },
        {
            "$odata.type": "#AutoDeployService.AutoDeployTarget",
            "$odata.id": "/api/AutoDeployService/Targets(8)",
            "AutoDeployDeviceId": 8,
            "Identifier": "JHKP8R1",
            "TemplateId": 9,
            "TemplateTypeId": 2,
            "TemplateName": "test-migrate",
            "GroupName": null,
            "IsBootToNetworkIso": false,
            "ShareIp": null,
            "ShareType": null,
            "IsoPath": null,
            "TaskId": 0,
            "TaskLastRunStatusId": 2200,
            "CreatedBy": "admin",
            "CreatedOn": "2019-05-15 17:24:29.411303"
        }
    ]
}
/api/AutoDeployService/Actions/AutoDeployService.Verify

This URL validates the identifiers.

Post method for AutoDeployService.Verify

**Description**
This method validates the identifiers.

**Privilege**
AUTO_DEPLOY_MANAGEMENT

**HTTP response codes**
200

**Example**

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

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

### Table 156. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
</table>
| ResultCode     | 0=Action Successful  
                 1=Identifier has invalid length  
                 2=A device with this identifier has already been discovered  
                 3=An auto-deploy request exists for this identifier  
                 4=The identifier is a Node ID, which cannot be used with a chassis-based template.  
                 100=Invalid value for TemplateId  
                 101=Invalid value for AutoDeployId |
/api/AutoDeployService/Actions/AutoDeployService.Delete

This URL deletes the list of autoDeployDevice IDs.

**POST method for AutoDeployService.Delete**

**Description**
This method deletes the list of autoDeployDevice IDs.

**Privilege**
AUTO_DEPLOY_MANAGEMENT

**HTTP response codes**
200

**Example**

```json
Input:
Case 1: Send AutoDeployDeviceIds - to delete the selected devices in the auto deploy wizard.
{
   "AutoDeployDeviceId": [17626, 17627, 17628],
   "SelectAll": false,
   "Filters": "*"
}

Case 2: Select All without filters - to delete all the devices in the auto deploy wizard
{
   "AutoDeployDeviceId": null,
   "SelectAll": true,
   "Filters": "*"
}

Case 3: Select All with filters - to delete all the devices in the auto deploy wizard which matches the filter condition
{
   "AutoDeployDeviceId": null,
   "SelectAll": true,
   "Filters": "contains(Identifier,'RR')&contains(TemplateName,'sample')"
}
```

/api/AutoDeployService/AutoDeploy

After the identifiers are validated, this URL is used to complete the AutoDeploy request with the NetworkBootIso details.

**POST method for AutoDeploy**

**Description**
After the identifiers are validated, this method is used to complete the AutoDeploy request with the NetworkBootIso details.

**Privilege**
AUTO_DEPLOY_MANAGEMENT

**HTTP response codes**
201

**Example**

```json
Input:
{
   "AutoDeployId": 33,
   "GroupId": null,
   "NetworkBootIsoModel": {
      "BootToNetwork": true,
      "ShareType": "CIFS",
      "IsoPath": "abc.iso",
      "ShareDetail": {
         ...
      }
   }
}
```
"IpAddress": "xx.xx.xx.xx",
"ShareName": "10.22.33.22",
"User": "asdf",
"Password": "asdf"
}
},
"Attributes": []
}

/api/AutoDeployService/AutoDeploy(AutoDeployId)
This URL cancels the autodeploy request before finalizing the request and deletes all the identifiers that are added in the validation API.

Delete method for AutoDeploy(AutoDeployId)

<table>
<thead>
<tr>
<th>Description</th>
<th>This method cancels the autodeploy request before finalizing the request and deletes all the identifiers that are added in the validation API.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>AUTO_DEPLOY_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;https://[ IP Address ]/api/AutoDeployService/AutoDeploy(1)&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>Output:</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the discovery job information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Output:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
</tbody>
</table>
|             | "@odata.context": "/api/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": "",  |

APIs specific to OpenManage Enterprise
"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,
Table 157. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JobId</td>
<td>ID of the discovery job.</td>
</tr>
<tr>
<td>JobName</td>
<td>Name of the discovery job.</td>
</tr>
<tr>
<td>JobSchedule</td>
<td>Discovery job schedule information.</td>
</tr>
<tr>
<td>JobStartTime</td>
<td>Start time of the discovery job.</td>
</tr>
<tr>
<td>JobEndTime</td>
<td>Completion time of the discovery job.</td>
</tr>
<tr>
<td>JobProgress</td>
<td>Percentage of discovery job completion.</td>
</tr>
<tr>
<td>JobStatusId</td>
<td>Status of the discovery job. For example, Complete, Failed, and so on.</td>
</tr>
<tr>
<td>JobNextRun</td>
<td>If discovery job is scheduled, returns the next schedule time.</td>
</tr>
<tr>
<td>LastUpdateTime</td>
<td>Last updated time of the discovery job.</td>
</tr>
<tr>
<td>DiscoveryConfigExpectedDeviceCount</td>
<td>Total number of devices expected to be discovered by the job.</td>
</tr>
<tr>
<td>DiscoveryConfigDiscoveredDeviceCount</td>
<td>Total number of devices discovered by the job.</td>
</tr>
</tbody>
</table>
/api/DiscoveryConfigService/DiscoveryConfigGroups

This URI creates a discovery job.

POST method for DiscoveryConfigGroups

This method creates a discovery job.

**Description**
Creates a discovery job.

**Privilege**
DISCOVERY_MANAGEMENT

**HTTP response codes**
200

**Example**

Input:
```
{
    "DiscoveryConfigGroupName":"Discovery-2017033110553636",
    "DiscoveryConfigGroupDescription":"null",
    "DiscoveryConfigModels":[
        {
            "DiscoveryConfigId":331105536,
            "DiscoveryConfigDescription":"",
            "DiscoveryConfigStatus":"",
            "DiscoveryConfigTargets":[
                {
                    "DiscoveryConfigTargetId":0,
                    "NetworkAddressDetail":"xx.xx.xx.xx-xx.xx.xx.xx",
                    "AddressType":30,
                    "Disabled":false,
                    "Exclude":false
                }
            ],
            "ConnectionProfileId":0,
            "ConnectionProfile":null,
            "DeviceType":1000
        }
    ],
    "Schedule":{
        "RunNow":true,
        "RunLater":false,
        "Cron":"startnow",
        "StartTime":null,
        "EndTime":null
    },
    "CreateGroup":true,
    "TrapDestination":false
}
```

Example to run discovery job at a later time

Input:
```
{
    "DiscoveryConfigGroupName":"Discovery-20170916135421",
    "DiscoveryConfigGroupDescription":null,
    "DiscoveryConfigModels":[
        {
            "DiscoveryConfigId":916135421,
            "DiscoveryConfigDescription":null,
            "DiscoveryConfigStatus":null,
            "DiscoveryConfigTargets":[
                {"DiscoveryConfigTargetId":0,
                 "NetworkAddressDetail" : "xx.xx.xx.xx",
                 "AddressType": 30,
                 "Disabled": false,
                 "Exclude": false
                }
            ],
            "ConnectionProfileId":0,
            "ConnectionProfile":null,
            "DeviceType":1000
        }
    ],
    "Schedule":{
        "RunNow":true,
        "RunLater":false,
        "Cron":"",
        "StartTime":null,
        "EndTime":null
    },
    "CreateGroup":true,
    "TrapDestination":false
}
```
Example to schedule a discovery job

Input: {
  "DiscoveryConfigGroupName":"Discovery-2017091613573232",
  "DiscoveryConfigGroupDescription":null,
  "DiscoveryConfigModels":{
    "DiscoveryConfigId":916135732,
    "DiscoveryConfigDescription":"
    "DiscoveryConfigStatus":",
    "DiscoveryConfigTargets":{
      "DiscoveryConfigTargetId":0,
      "NetworkAddressDetail":"xx.xx.xx.xx",
      "AddressType":30,
      "Disabled":false,
      "Exclude":false
    }
  },
  "ConnectionProfileId":0,
  "ConnectionProfile":{"profileName":"","profileDescription ":"","type":"DISCOVERY","credentials":{{"id":0,"type":"WSMAN ","authType":"Basic","modified":false,"credentials":{{"username ":"root","password":"calvin","caCheck":false,"cnCheck ":false,"port":443,"retries":3,"timeout":60,"isHttp ":false,"keepAlive":false}}}",
  "DeviceType":1000
  }
},
"Schedule":{
  "RunNow":false,
  "RunLater":true,
  "Cron":"0 55 19 16 9 ? 2017",
  "StartTime":",
  "EndTime":"
},
"CreateGroup":true,
"TrapDestination":false
}

Example to run discovery job with multiple protocols

Input: {
  "DiscoveryConfigGroupName":"Discovery-2017091614032525",
  "DiscoveryConfigGroupDescription":null,
  "DiscoveryConfigModels":{
    "DiscoveryConfigId":916135732,
    "DiscoveryConfigDescription":"
    "DiscoveryConfigStatus":",
    "DiscoveryConfigTargets":{
      "DiscoveryConfigTargetId":0,
      "NetworkAddressDetail":"xx.xx.xx.xx",
      "AddressType":30,
      "Disabled":false,
      "Exclude":false
    }
  },
  "ConnectionProfileId":0,
  "ConnectionProfile":{"profileName":"","profileDescription ":"","type":"DISCOVERY","credentials":{{"id":0,"type":"WSMAN ","authType":"Basic","modified":false,"credentials":{{"username ":"root","password":"calvin","caCheck":false,"cnCheck ":false,"port":443,"retries":3,"timeout":60,"isHttp ":false,"keepAlive":false}}}",
  "DeviceType":1000
  }
},
"Schedule":{
  "RunNow":false,
  "RunLater":true,
  "Cron":"0 * */10 * * ? *
  "StartTime":",
  "EndTime":"
},
"CreateGroup":true,
"TrapDestination":false
}
/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

414 APIs specific to OpenManage Enterprise
HTTP response codes

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

Example

Input: { fileName="abc.csv" }
null}
,
"DiscoveryConfigTaskParam": [],
"DiscoveryConfigTasks": [],
"Schedule": {
 "RunNow": true,
 "RunLater": false,
 "Cron": "startnow"
},
"CreateGroup": true,
"TrapDestination": false
}

Output:
{
 "DiscoveryConfigGroupId": 11,
 "DiscoveryConfigGroupName": "Discovery-2018022611572222-updated",
 "DiscoveryConfigGroupDescription": "Discovery-2018022611572222-updated",
 "DiscoveryStatusEmailRecipient": null,
 "DiscoveryConfigParentGroupId": 0,
 "CreateGroup": true,
 "DiscoveryConfigModels": [
 {
  "DiscoveryConfigId": 331105536,
  "DiscoveryConfigDescription": "",
  "DiscoveryConfigStatus": "",
  "DiscoveryConfigTargets": [
   {
    "DiscoveryConfigTargetId": 0,
    "NetworkAddressDetail": "xx.xx.xx.xx-xx.xx.xx.xx",
    "SubnetMask": null,
    "AddressType": 1,
    "Disabled": false,
    "Exclude": false
   }
  ],
  "DeviceType": [1000]
 }],
"ConnectionProfileId": 0,
"ConnectionProfile": "{"profileName":"\"","profileDescription \"\":\"\",\"type\":\"DISCOVERY\",\"credentials\":{"id":0,\"type\":\"REDFISH \",\"authType\":\"Basic\",\"modified\":false,\"credentials\":{"username \":\"root\",\"password\":\"calvin\",\"caCheck\":false,\"cnCheck \":false,\"port\":443,\"retries\":2,\"timeout\":4,\"isHttp \":false,\"keepAlive\":false\}]}},
  "DeviceType": [1000]
 },
"DiscoveryConfigTaskParam": [
 {
  "TaskId": 25281,
  "TaskTypeId": 0,
  "ExecutionSequence": 0
 }
],
"DiscoveryConfigTasks": [],
"Schedule": {
 "RunNow": false,
 "RunLater": false,
 "Recurring": null,
 "Cron": "startnow",
 "StartTime": null,
 "EndTime": null
},
"TrapDestination": false,
"ChassisIdentifier": null
}
### Table 158. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GroupId</td>
<td>Group Id</td>
</tr>
<tr>
<td>DiscoveryName</td>
<td>Discovery Name</td>
</tr>
<tr>
<td>Description</td>
<td>Definition for discovery Task</td>
</tr>
<tr>
<td>Schedule</td>
<td>Discovery job schedule information</td>
</tr>
<tr>
<td>TaskId</td>
<td>Id of the job</td>
</tr>
<tr>
<td>ConnectionProfileId</td>
<td>Connection profile Id</td>
</tr>
<tr>
<td>DeviceTypeList</td>
<td>List of all device types</td>
</tr>
<tr>
<td>DiscoveryConfiglist</td>
<td>Config details</td>
</tr>
</tbody>
</table>

### Warranty service

#### /api/WarrantyService/Warranties

This URI represents the retrieval of warranty information from OpenManage Enterprise.

#### GET method for Warranties

This method returns warranty information from OpenManage Enterprise.

**Description**

Returns warranty information from OpenManage Enterprise.

**Privilege**

VIEW

**HTTP response codes**

200

**Example**

```
Output:
{
  "@odata.context": "/api/$metadata#Collection(WarrantyService.Warranty)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.type": "#WarrantyService.Warranty",
      "@odata.id": "/api/WarrantyService/Warranties(25110)",
      "Id": 25110,
      "DeviceId": 25102,
      "DeviceModel": "PowerEdge C6420",
      "DeviceIdentifier": "GT2T0M2",
      "DeviceType": 1000,
      "CountryLookupCode": "N/A",
      "CustomerNumber": 0,
      "LocalChannel": "N/A",
      "OrderNumber": 0,
      "SystemShipDate": "0001-01-01 00:00:00.000",
      "State": "N/A",
      "ItemNumber": "N/A",
      "ServiceLevelCode": "N/A",
      "ServiceLevelDescription": "No valid warranties found",
      "ServiceLevelGroup": 0,
      "ServiceProvider": "N/A",
      "StartDate": "0001-01-01 00:00:00.000",
      "EndDate": "0001-01-01 00:00:00.000",
      "DaysRemaining": 0,
      "Timestamp": "2018-09-03 00:00:00.000"
    }
  ]
}
```
Table 159. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Top records to return - default 100</td>
</tr>
<tr>
<td>Skip</td>
<td>Maximum records to skip - default 0</td>
</tr>
<tr>
<td>Orderby</td>
<td>Order to apply to the output</td>
</tr>
<tr>
<td>ID</td>
<td>Filter by event id - default 0</td>
</tr>
<tr>
<td>DeviceType</td>
<td>Filter by device type - default 0</td>
</tr>
<tr>
<td>DeviceIdentifier</td>
<td>Filter by device identifier</td>
</tr>
<tr>
<td>DeviceModel</td>
<td>Filter by device model - default 0</td>
</tr>
<tr>
<td>DaysRemaining</td>
<td>Filter by remaining days for warranty expiry</td>
</tr>
<tr>
<td>CustomerNumber</td>
<td>Filter by customer number - default 0</td>
</tr>
<tr>
<td>OrderNumber</td>
<td>Filter by order number - default 0</td>
</tr>
</tbody>
</table>

`/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**:
  ```json
  {
    "NumberOfActiveWarranties": 0,
    "NumberOfWarrantiesExpiringSoon": 0,
    "NumberOfExpiredWarranties": 0,
    "ScoreBoard": false
  }
  
  **Output**:
  ```json
  {
    "NumberOfActiveWarranties": 16,
    "NumberOfWarrantiesExpiringSoon": 0,
    "NumberOfExpiredWarranties": 41,
    "ScoreBoard": false
  }
  ```

`/api/JobService/Jobs`

This URL represents the creation of a warranty job.

**POST method for Warranties**

This method creates a warranty job.

- **Description**: This method creates a warranty job.
- **Privilege**: JOB_MANAGEMENT
- **Example**

  **Input**:
  ```json
  {
    "Id": 0,
    "JobName": "Warranty Task",
    "JobDescription": "Warranty Task"
  }
  ```
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.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": {}
        }
    ]
}
```
Table 160. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Report identifier</td>
</tr>
</tbody>
</table>
### Attribute Description

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the report</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the report</td>
</tr>
<tr>
<td>IsBuiltIn</td>
<td>Specifies whether it is a built-in report or a custom report</td>
</tr>
<tr>
<td>LastEditedBy</td>
<td>Time when report was last edited</td>
</tr>
<tr>
<td>LastRunDate</td>
<td>Time when the report was last run</td>
</tr>
<tr>
<td>LastRunBy</td>
<td>User who has run the report</td>
</tr>
<tr>
<td>LastRunDuration</td>
<td>Duration of the report run</td>
</tr>
<tr>
<td>QueryDef</td>
<td>Information on the filters and context of the report</td>
</tr>
<tr>
<td>ColumnNames</td>
<td>Column names in the report</td>
</tr>
<tr>
<td>FilterGroupId</td>
<td>ID of the filter group in the report</td>
</tr>
</tbody>
</table>

### POST method for ReportDefs

This method creates a report.

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

#### Example

```json
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
      }
    ]
  }
}
```
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
    }]
}
Table 161. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>Report ID</td>
</tr>
<tr>
<td>Name</td>
<td>Report Name</td>
</tr>
<tr>
<td>Description</td>
<td>Definition of the report.</td>
</tr>
<tr>
<td>FilterGroupId</td>
<td>Group to filter the report output.</td>
</tr>
<tr>
<td>ColumnNames</td>
<td>Names of the columns for the reports.</td>
</tr>
<tr>
<td>QueryDefRequest</td>
<td>Definition of the query for the report.</td>
</tr>
</tbody>
</table>

/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:

```
{
  "@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
  }
},
```
/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": [
      {
         "Values": [
            "iDRAC-792B0M2",
            "SERVER",
            "PowerEdge R640",
            "792B0M2",
            "",
            "",
            ""
         ]
      }
   ]
}


This URI is used to run a report.

**POST method for Running Reports**

This method is used to run reports.

<table>
<thead>
<tr>
<th>Description</th>
<th>Used to run reports.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>REPORT_RUN</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;ReportDefId&quot;:1564,</td>
</tr>
<tr>
<td></td>
<td>&quot;FilterGroupId&quot;:0</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>


The URI represents the download of reports.

**POST method for ReportService.DownloadReport**

This method downloads all the reports.

<table>
<thead>
<tr>
<th>Description</th>
<th>Downloads all the reports.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;ReportDefId&quot;:1564,</td>
</tr>
<tr>
<td></td>
<td>&quot;Format&quot;:&quot;pdf&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>

/api/ReportService/Actions/ReportService.DeleteReports

This URI represents the reports deletion.

**POST method for ReportService.DeleteReports**

This method deletes all the reports.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes all the reports.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>REPORT_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>[1564]</td>
</tr>
</tbody>
</table>

This URI represents cloning of a report.


This method clones a report.

<table>
<thead>
<tr>
<th>Description</th>
<th>Clones a group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>REPORT_MANAGEMENT</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;ReportDefId&quot;: &quot;25074&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;ReportDefName&quot;: &quot;new clone report&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MIB import service

/api/MIBImportService/MIBS

This URI represents the MIB traps.

GET method for MIBS

This method returns the traps imported from all the MIBs. All the traps with information are listed and they an be grouped based on the catalog name.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the traps imported from all the MIBs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.context&quot;: &quot;/api/$metadata#Collection(MIBImportService.GetTrapsPayload)&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.count&quot;: 2269,</td>
</tr>
<tr>
<td></td>
<td>&quot;value&quot;: [{</td>
</tr>
<tr>
<td></td>
<td>&quot;@odata.type&quot;: &quot;;MIBImportService.GetTrapsPayload&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;EnterpriseOid&quot;: &quot;;1.3.6.1.4.1.674.10892.1&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;EventDefinition&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;Name&quot;: &quot;enhancedAlertMemoryDeviceNonRecoverable&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;EventCategory&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;Id&quot;: 1000,</td>
</tr>
<tr>
<td></td>
<td>&quot;EventCatalogId&quot;: &quot;System Health&quot;</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>&quot;EventCatalog&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;EventCatalogId&quot;: 1000,</td>
</tr>
<tr>
<td></td>
<td>&quot;Name&quot;: &quot;OMSA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;ReleaseVersion&quot;: &quot;7.4.0&quot;</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>&quot;EventSubCategory&quot;: null,</td>
</tr>
<tr>
<td></td>
<td>&quot;EventType&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;EventTypeId&quot;: 1003,</td>
</tr>
<tr>
<td></td>
<td>&quot;Name&quot;: &quot;SNMP&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;Description&quot;: &quot;SNMP event&quot;</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>&quot;Severity&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;Id&quot;: 16,</td>
</tr>
<tr>
<td></td>
<td>&quot;Name&quot;: &quot;Critical&quot;,</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>}</td>
<td></td>
</tr>
</tbody>
</table>
"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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the event catalogs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

```
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the event categories.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

```
Output:
{
  "@odata.context": "/api/$metadata#Collection(MIBImportService.MIBEventCategory)",
  "@odata.count": 7,
  "value": [{
    "@odata.type": "#MIBImportService.MIBEventCategory",
    "@odata.id": "/api/MIBImportService/EventCategories(1000)",
    "Id": 1000,
    "EventCategoryName": "System Health"
  }]
}
```
Plugin Manager

/api/PluginService/Plugins

This URL returns the plug-in list.

GET method for Plugins

<table>
<thead>
<tr>
<th>Description</th>
<th>This method returns all the available plug-in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input: None

Output:
```
{
    "@odata.context": "/api/$metadata#Collection(PluginService.Plugin)",
    "@odata.count": 1,
    "value": [
        {
            "@odata.type": "#PluginService.Plugin",
            "@odata.id": "/api/PluginService/Plugins('2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625')",
            "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
            "Auto": false,
            "Name": "Power Manager",
            "UpdateAvailable": false,
            "Installed": true,
            "Enabled": true,
            "Publisher": "DELL EMC",
            "CurrentVersion": "1.0.0.9",
            "Description": "Dell EMC OpenManage Enterprise Power Manager is an extension to the Dell EMC OpenManage Enterprise console and uses fine-grained instrumentation to provide increased visibility over power consumption, anomalies, and utilization. In addition, the Power Manager extension alerts and reports on thermal events with servers and groups of servers. This enables increased control, faster response times, greater accuracy, and broader decision-making intelligence than would otherwise be possible. When used with Dell EMC PowerEdge servers or chassis with the required iDRAC Enterprise or Chassis Management Control (CMC) Enterprise license, OpenManage Enterprise Power Manager leverages information from the OpenManage Enterprise console for platform-level power management. OpenManage Enterprise Power Manager then communicates with Integrated Dell Remote Access Controller (iDRAC) or CMC on each managed server or chassis to provide power-management data, as well as execution of control policy - making it easy for IT professionals to identify areas to gain efficiencies and cut wasteful costs. Features vary by access method and server model - Please contact Sales or refer to: dell.com/support."
            "InstalledDate": "2019-06-14 21:13:09.487",
            "LastUpdatedDate": null,
            "LastDisabledDate": null,
            "AvailableVersionDetails@odata.navigationLink": "/api/PluginService/Plugins('2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625')/AvailableVersionDetails"
        }
    ]
}
```

Table 162. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Plug-in ID</td>
</tr>
<tr>
<td>Name</td>
<td>Plug-in name</td>
</tr>
</tbody>
</table>

430  APIs specific to OpenManage Enterprise
### Attribute | Description
--- | ---
UpdateAvailable | Is update available for the plug-in.
Installed | Is the plug-in already installed or not?
Enabled | Is the plug-in enabled or not?
Publisher | Plug-in publisher
CurrentVersion | Current installed version.
Description | Description associated with the plug-in.
InstalledDate | Last installed date of the plug-in.
LastUpdatedDate | Last updated date of the plug-in.
LastDisabledDate | Last disabled date of the plug-in.

/api/PluginService/Plugins('<PluginId>')

This URL returns the individual plug-in information.

**GET method for Plugins('<PluginId>')**

<table>
<thead>
<tr>
<th>Description</th>
<th>This method returns the individual plug-in information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
<tr>
<td>Example</td>
<td>Input: None</td>
</tr>
</tbody>
</table>

```json
{ "@odata.context": "/api/$metadata#PluginService.Plugin",
 "@odata.type": ">#PluginService.Plugin",
 "@odata.id": "/api/PluginService/Plugins('2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625')",
 "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
 "Auto": true,
 "Name": "Power Manager",
 "UpdateAvailable": false,
 "Installed": true,
 "Enabled": true,
 "Publisher": "DELL EMC",
 "CurrentVersion": "1.0.0.9",
 "Description": "Dell EMC OpenManage Enterprise Power Manager is an extension to the Dell EMC OpenManage Enterprise console and uses fine-grained instrumentation to provide increased visibility over power consumption, anomalies, and utilization. In addition, the Power Manager extension alerts and reports on thermal events with servers and groups of servers. This enables increased control, faster response times, greater accuracy, and broader decision-making intelligence than would otherwise be possible. When used with Dell EMC PowerEdge servers or chassis with the required iDRAC Enterprise or Chassis Management Control (CMC) Enterprise license, OpenManage Enterprise Power Manager leverages information from the OpenManage Enterprise console for platform-level power management. OpenManage Enterprise Power Manager then communicates with Integrated Dell Remote Access Controller (iDRAC) or CMC on each managed server or chassis to provide power-management data, as well as execution of control policy - making it easy for IT professionals to identify areas to gain efficiencies and cut wasteful costs. Features vary by access method and server model - Please contact Sales or refer to: dell.com/support.",
 "InstalledDate": "2019-06-14 21:13:09.487",
 "LastUpdatedDate": null,
 "LastDisabledDate": null,
 "AvailableVersionDetails@odata.navigationLink": "/api/PluginService/" }
```
/api/PluginService/Plugins('<PluginId>')/AvailableVersionDetails

This URL returns the plug-in version information.

**GET method for AvailableVersionDetails**

<table>
<thead>
<tr>
<th>Description</th>
<th>This method returns the plug-in version information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input: None
Output:
```
{
   "@odata.context": "/api/$metadata#Collection(PluginService.VersionDetail)",
   "@odata.count": 1,
   "value": [
      {
         "@odata.type": ":PluginService.VersionDetail",
         "Version": "1.0.0.9",
         "Description": "Dell EMC OpenManage Enterprise Power Manager is an extension to the Dell EMC OpenManage Enterprise console and uses fine-grained instrumentation to provide increased visibility over power consumption, anomalies, and utilization. In addition, the Power Manager extension alerts and reports on thermal events with servers and groups of servers. This enables increased control, faster response times, greater accuracy, and broader decision-making intelligence than would otherwise be possible. When used with Dell EMC PowerEdge servers or chassis with the required iDRAC Enterprise or Chassis Management Control (CMC) Enterprise license, OpenManage Enterprise Power Manager leverages information from the OpenManage Enterprise console for platform-level power management. OpenManage Enterprise Power Manager then communicates with Integrated Dell Remote Access Controller (iDRAC) or CMC on each managed server or chassis to provide power-management data, as well as execution of control policy - making it easy for IT professionals to identify areas to gain efficiencies and cut wasteful costs. Features vary by access method and server model - Please contact Sales or refer to: dell.com/support.",
         "PackageSize": "4191876",
         "ReleaseNoteURL": "https://www.dell.com/openmanage-enterprise-power-manager",
         "MinimumOmeVersionRequired": "3.2.0"
      }
   ]
}
```

Table 163. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td>Version of the plug-in.</td>
</tr>
<tr>
<td>Description</td>
<td>Description associated with the plug-in version.</td>
</tr>
<tr>
<td>PackageSize</td>
<td>Package size of the plug-in in bytes.</td>
</tr>
</tbody>
</table>
/api/PluginService/Actions/PluginService.CheckPluginCompatibility

This URL validates the plug-in to check if it is compatible with OpenManage Enterprise.

POST method for PluginService.CheckPluginCompatibility

<table>
<thead>
<tr>
<th>Description</th>
<th>This method validates the plug-in to check if it is compatible with OpenManage Enterprise.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>APPLIANCE_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

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

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

Table 164. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OmeVersion</td>
<td>If empty version is passed, current installed OpenManage Enterprise version is used to check compatibility. Version format 1.0.0.325 (major.minor.revision.BuildNumber). Build number is not required.</td>
</tr>
<tr>
<td>Id</td>
<td>ID of the plug-in.</td>
</tr>
<tr>
<td>Version</td>
<td>Version of the plug-in. Version should be same as mentioned in catalog file.</td>
</tr>
<tr>
<td>Compatible</td>
<td>Is the plug-in version compatible with the given OpenManage Enterprise version or not?</td>
</tr>
</tbody>
</table>
This URL is used to install or uninstall, enable or disable, or update the plug-in.

### POST method for PluginService.UpdateConsolePlugins

**Description**
- This method is used to install or uninstall, enable or disable, or update the plug-in.

**Privilege**
- APPLIANCE_SETUP

**HTTP response codes**
- 200

**Example**

```json
Input:
{
  "Plugins":
  [
    {
      "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
      "Version": "1.0.0",
      "Action": "Install"
    },
    {
      "Id": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4626",
      "Version": "1.1.0",
      "Action": "Install"
    }
  ]
}
```

Output:
12098

### Table 165. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the plug-in.</td>
</tr>
<tr>
<td>Version</td>
<td>Version of the plug-in.</td>
</tr>
<tr>
<td>Action</td>
<td>Plug-in Action—Install or Uninstall or Enable or Disable or Update.</td>
</tr>
</tbody>
</table>

**NOTE:**
- The version is not required for uninstall, enable, and disable.
- For install and update, the version that needs to be installed should be mentioned.
- Only one action can occur at a time for multiple plugins.

**Output**
- The output returns the task ID.
Power Metrics

/api/MetricService/Metrics

This URL returns all the device or group metrics.

POST method for Metrics

<table>
<thead>
<tr>
<th>Description</th>
<th>This method returns all the device or group metrics.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>201</td>
</tr>
<tr>
<td>Example</td>
<td></td>
</tr>
</tbody>
</table>

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

Output:
{
  "EntityId": 10397,
  "Value": [
    {
      "Type": "1",
      "Value": "230.0",
      "Timestamp": "2019-07-02 13:45:05.147666"
    },
    {
      "Type": "2",
      "Value": "177.0",
      "Timestamp": "2019-07-02 13:45:05.147666"
    },
    {
      "Type": "3",
      "Value": "197.0",
      "Timestamp": "2019-07-02 13:45:05.147666"
    }
  ]
}

Table 166. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PluginId</td>
<td>ID of a plug-in.</td>
</tr>
<tr>
<td>EntityType</td>
<td>Type of entity—device or group.</td>
</tr>
<tr>
<td>EntityId</td>
<td>ID of an entity—device or group.</td>
</tr>
<tr>
<td>MetricTypes</td>
<td>Types of metrics supported.</td>
</tr>
<tr>
<td>Duration</td>
<td>Duration of metric data collection.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>SortOrder</td>
<td>Order of metric data collected.</td>
</tr>
<tr>
<td>Type</td>
<td>Metric type</td>
</tr>
<tr>
<td>Value</td>
<td>Metric value</td>
</tr>
<tr>
<td>Timestamp</td>
<td>Collected date and time</td>
</tr>
<tr>
<td>Entity Type</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>Device</td>
</tr>
<tr>
<td>1</td>
<td>Group</td>
</tr>
<tr>
<td>Metric Supported</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MAX_POWER—Maximum system power consumption</td>
</tr>
<tr>
<td>2</td>
<td>MIN_POWER—Minimum system power consumption</td>
</tr>
<tr>
<td>3</td>
<td>AVG_POWER—Average system power consumption</td>
</tr>
<tr>
<td>4</td>
<td>INSTANT_POWER—Instant system power</td>
</tr>
<tr>
<td>5</td>
<td>MAX_INLET_TEMP—Maximum Inlet Temperature</td>
</tr>
<tr>
<td>6</td>
<td>MIN_INLET_TEMP—Minimum Inlet Temperature</td>
</tr>
<tr>
<td>7</td>
<td>AVG_INLET_TEMP—Average Inlet Temperature</td>
</tr>
<tr>
<td>8</td>
<td>INSTANT_TEMP—Instant Inlet Temperature</td>
</tr>
<tr>
<td>9</td>
<td>MAX_UTIL_CPU—Maximum CPU utilization</td>
</tr>
<tr>
<td>10</td>
<td>MIN_UTIL_CPU—Minimum CPU utilization</td>
</tr>
<tr>
<td>11</td>
<td>AVG_UTIL_CPU—Average CPU utilization</td>
</tr>
<tr>
<td>12</td>
<td>MAX_UTIL_MEM—Maximum memory utilization</td>
</tr>
<tr>
<td>13</td>
<td>MIN_UTIL_MEM—Minimum memory utilization</td>
</tr>
<tr>
<td>14</td>
<td>AVG_UTIL_MEM—Average memory utilization</td>
</tr>
<tr>
<td>15</td>
<td>MAX_UTIL_IO—Maximum IO utilization</td>
</tr>
<tr>
<td>16</td>
<td>MIN_UTIL_IO—Minimum IO utilization</td>
</tr>
<tr>
<td>17</td>
<td>AVG_UTIL_IO—Average IO utilization</td>
</tr>
<tr>
<td>18</td>
<td>SYS_AIRFLOW—System Air Flow</td>
</tr>
<tr>
<td>Duration</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>Recent</td>
</tr>
<tr>
<td>1</td>
<td>One hour</td>
</tr>
<tr>
<td>2</td>
<td>Six hours</td>
</tr>
<tr>
<td>3</td>
<td>Twelve hours</td>
</tr>
<tr>
<td>4</td>
<td>One day</td>
</tr>
<tr>
<td>5</td>
<td>Seven Days</td>
</tr>
<tr>
<td>6</td>
<td>One Month</td>
</tr>
<tr>
<td>7</td>
<td>Three Months</td>
</tr>
<tr>
<td>8</td>
<td>Six Months</td>
</tr>
<tr>
<td>9</td>
<td>One Year</td>
</tr>
</tbody>
</table>

436  APIs specific to OpenManage Enterprise
Table 167. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PluginId</td>
<td>ID of plug-in.</td>
</tr>
<tr>
<td>Top</td>
<td>Top values, 1–5.</td>
</tr>
<tr>
<td>EntityType</td>
<td>Type of entity device or group.</td>
</tr>
<tr>
<td>DeviceType</td>
<td>Type of device—server or chassis.</td>
</tr>
</tbody>
</table>

/api/MetricService/TopEnergyConsumption

This URL represents the most high energy consumption.

**POST method for TopEnergyConsumption**

**Description**
This method returns the information of the most high energy consumption.

**Privilege**
VIEW

**HTTP response codes**
201

**Example**

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

Output:
```
{  
  "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",  
  "Value": [   
    {   
      "Id": 10398,  
      "Name": "SKCLUSN1.tejd.bdcsv.lab",  
      "Value": "0.060"
    },   
    {   
      "Id": 10397,  
      "Name": "SKCLUSN1.tejd.bdcsv.lab",  
      "Value": "0.060"
    },   
    {   
      "Id": 10396,  
      "Name": "SKCLUSN1.tejd.bdcsv.lab",  
      "Value": "0.000"
    },   
    {   
      "Id": 10395,  
      "Name": "SKCLUSN1.tejd.bdcsv.lab",  
      "Value": "0.000"
    }
  ]
}
```
<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration</td>
<td>Duration</td>
</tr>
</tbody>
</table>

**Entity Type**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Device</td>
</tr>
<tr>
<td>1</td>
<td>Group</td>
</tr>
</tbody>
</table>

**Device Type**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>Server</td>
</tr>
<tr>
<td>2000</td>
<td>Chassis</td>
</tr>
</tbody>
</table>

**Duration**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>One day</td>
</tr>
<tr>
<td>5</td>
<td>One week</td>
</tr>
<tr>
<td>6</td>
<td>Two weeks</td>
</tr>
<tr>
<td>7</td>
<td>One month</td>
</tr>
<tr>
<td>8</td>
<td>Three months</td>
</tr>
<tr>
<td>9</td>
<td>Six months</td>
</tr>
<tr>
<td>10</td>
<td>One year</td>
</tr>
</tbody>
</table>

/api/MetricService/EnergyConsumption

This URL returns the energy consumption of the device.

**POST method for EnergyConsumption**

- **Description**: This method returns the energy consumption of the device in KWH.
- **Privilege**: VIEW
- **HTTP response codes**: 201

**Example**

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

**Table 168. Attributes**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PluginId</td>
<td>ID of a plug-in.</td>
</tr>
<tr>
<td>EntityType</td>
<td>Type of an entity, only device.</td>
</tr>
<tr>
<td>EntityId</td>
<td>ID of an entity, only device.</td>
</tr>
<tr>
<td>Duration</td>
<td>Duration</td>
</tr>
<tr>
<td>Total Energy</td>
<td>Energy Consumption in KWH.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>1</td>
<td>One hour</td>
</tr>
<tr>
<td>2</td>
<td>Six hours</td>
</tr>
<tr>
<td>3</td>
<td>Twelve hours</td>
</tr>
<tr>
<td>4</td>
<td>One day</td>
</tr>
<tr>
<td>5</td>
<td>Seven days</td>
</tr>
<tr>
<td>6</td>
<td>One month</td>
</tr>
<tr>
<td>7</td>
<td>Three months</td>
</tr>
<tr>
<td>8</td>
<td>Six months</td>
</tr>
<tr>
<td>9</td>
<td>One year</td>
</tr>
</tbody>
</table>

 `/api/MetricService/MetricTypes`

This URL returns all the supported metric types.

**GET method for MetricTypes**

**Description**: This method returns all the supported metric types.

**Privilege**: VIEW

**HTTP response codes**: 200

**Example**

```
Input:
None

Output:
{
    "@odata.context": "/api/$metadata#Collection(MetricService.MetricType)",
    "@odata.count": 19,
    "value": [
        {
            "@odata.type": ".#MetricService.MetricType",
            "Id": 1,
            "Name": "MAX_POWER",
            "Description": "Maximum System Power Consumption"
        },
        {
            "@odata.type": ".#MetricService.MetricType",
            "Id": 2,
            "Name": "MIN_POWER",
            "Description": "Minimum System Power Consumption"
        },
        {
            "@odata.type": ".#MetricService.MetricType",
            "Id": 3,
            "Name": "AVG_POWER",
            "Description": "Average System Power Consumption"
        },
        {
            "@odata.type": ".#MetricService.MetricType",
            "Id": 4,
            "Name": "INSTANT_POWER",
            "Description": "Instant System Power"
        },
        {
            "@odata.type": ".#MetricService.MetricType",
            "Id": 5,
```
"Name": "MAX_INLET_TEMP",
"Description": "Maximum Inlet Temperature"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 6,
"Name": "MIN_INLET_TEMP",
"Description": "Average Inlet Temperature"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 7,
"Name": "AVG_INLET_TEMP",
"Description": "Instant Inlet Temperature"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 8,
"Name": "INSTANT_TEMP",
"Description": "Minimum Inlet Temperature"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 9,
"Name": "MAX_UTIL_CPU",
"Description": "Maximum CPU utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 10,
"Name": "MIN_UTIL_CPU",
"Description": "Minimum CPU utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 11,
"Name": "AVG_UTIL_CPU",
"Description": "Average CPU utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 12,
"Name": "MAX_UTIL_MEM",
"Description": "Maximum memory utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 13,
"Name": "MIN_UTIL_MEM",
"Description": "Minimum memory utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 14,
"Name": "AVG_UTIL_MEM",
"Description": "Average memory utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 15,
"Name": "MAX_UTIL_IO",
"Description": "Maximum IO utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 16,
"Name": "MIN_UTIL_IO",
"Description": "Minimum IO utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 17,
"Name": "AVG_UTIL_IO",
"Description": "Average IO utilization"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 18,
"Name": "SYS_AIRFLOW",
"Description": "System Air Flow"
},
{
"@odata.type": "#MetricService.MetricType",
"Id": 19,
"Name": "SYS_ENERGY",
"Description": "System Energy Consumption"
}
]
}

/api/MetricService/MetricsConsumption

This URL represents the aggregated metrics of the device or group.

**POST method for MetricsConsumption**

**Description**
This method returns the aggregated metrics of the device or group.

**Privilege**
VIEW

**HTTP response codes**
201

**Example**

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

Output:
```
{
   "Value": [
   {
      "Type": "1",
      "Value": "242.0"
   },
   {
      "Type": "2",
      "Value": "176.0"
   },
   {
      "Type": "3",
      "Value": "192.75"
   }
   ]
}
```

**Table 169. Attributes**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PluginId</td>
<td>ID of a plug-in.</td>
</tr>
<tr>
<td>EntityType</td>
<td>Type of an entity—device or group.</td>
</tr>
<tr>
<td>EntityId</td>
<td>ID of an entity—device or group.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>MetricTypes</td>
<td>Type that is supported by the metric.</td>
</tr>
</tbody>
</table>

**Duration**

<table>
<thead>
<tr>
<th></th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>One hour</td>
</tr>
<tr>
<td>2</td>
<td>Six hours</td>
</tr>
<tr>
<td>3</td>
<td>Twelve hours</td>
</tr>
<tr>
<td>4</td>
<td>One day</td>
</tr>
<tr>
<td>5</td>
<td>Seven days</td>
</tr>
<tr>
<td>6</td>
<td>One month</td>
</tr>
<tr>
<td>7</td>
<td>Three months</td>
</tr>
<tr>
<td>8</td>
<td>Six months</td>
</tr>
<tr>
<td>9</td>
<td>One year</td>
</tr>
</tbody>
</table>

**Metric Types**

<table>
<thead>
<tr>
<th></th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MAX_POWER</td>
</tr>
<tr>
<td>2</td>
<td>MIN_POWER</td>
</tr>
<tr>
<td>3</td>
<td>AVG_POWER</td>
</tr>
</tbody>
</table>

/api/MetricService/Threshold

This URL represents the threshold set for an entity.

**POST method for Threshold**

**Description**

This method returns the threshold value for power and temperature.

**Privilege**

VIEW

**HTTP response codes**

201

**Example**

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

Output:
```
{
    "PluginId": "2F6D05BE-EE4B-4B0E-B873-C8D2F64A4625",
    "EntityId": 10079,
    "Type": "Temperature",
    "State": "Unknown",
    "UpperWarning": "100",
    "UpperCritical": "150",
    "LowerWarning": "70",
    "LowerCritical": "80"
}
```
Table 170. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PluginId</td>
<td>ID of a plug-in.</td>
</tr>
<tr>
<td>EntityId</td>
<td>ID of an entity—device or group.</td>
</tr>
<tr>
<td>Type</td>
<td>Type—temperature or power.</td>
</tr>
<tr>
<td>State</td>
<td>State of an entity—unknown, normal, warning, critical.</td>
</tr>
<tr>
<td>UpperWarning</td>
<td>Upper limit threshold of state warning.</td>
</tr>
<tr>
<td>UpperCritical</td>
<td>Upper limit threshold of state critical.</td>
</tr>
<tr>
<td>LowerWarning</td>
<td>Lower limit threshold of state warning.</td>
</tr>
<tr>
<td>LowerCritical</td>
<td>Lower limit threshold of state critical.</td>
</tr>
</tbody>
</table>

/api/MetricService/Actions/MetricService.SaveThreshold

This URL configures the threshold of the device or group.

**POST method for MetricService.SaveThreshold**

**Description**  
This method configures the threshold of the device or group.

**Privilege**  
DEVICE_CONFIGURATION, GROUP_MANAGEMENT

**HTTP response codes**  
200

**Example**

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

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

Table 171. Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supported threshold</td>
<td>LowerWarning, lowerCritical, upperWarning, upperCritical</td>
</tr>
<tr>
<td>Supported state</td>
<td>Unknown, normal, warning, critical</td>
</tr>
<tr>
<td>Supported power</td>
<td>UpperWarning, upperCritical</td>
</tr>
<tr>
<td>Attribute</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Supported temperature</td>
<td>LowerCritical, lowerWarning, upperWarning, upperCritical</td>
</tr>
<tr>
<td>Reset threshold</td>
<td>Pass empty values in all the threshold fields in the payload.</td>
</tr>
<tr>
<td>PluginId</td>
<td>ID of a plug-in.</td>
</tr>
<tr>
<td>EntityId</td>
<td>ID of an entity—device or group.</td>
</tr>
<tr>
<td>Type</td>
<td>Type—temperature or power.</td>
</tr>
<tr>
<td>State</td>
<td>State of an entity—unknown.</td>
</tr>
<tr>
<td>UpperCritical</td>
<td>Upper limit threshold of state critical.</td>
</tr>
<tr>
<td>UpperWarning</td>
<td>Lower limit threshold of state warning.</td>
</tr>
<tr>
<td>LowerWarning</td>
<td>Lower limit threshold of state warning.</td>
</tr>
<tr>
<td>LowerCritical</td>
<td>Lower limit threshold of state critical.</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a collection of session service.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

```plaintext
Input:

Output:

```
Table 172. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the session service.</td>
</tr>
<tr>
<td>ServiceEnabled</td>
<td>Indicates if the session service is enabled or disabled.</td>
</tr>
<tr>
<td>SessionTimeout</td>
<td>The period of time after which the session is timed out.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns a collection of the active session services.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

Example

Input:

```
{
  "@odata.context": "$metadata#Collection(SessionService.Session)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/SessionService/Sessions('7b723932-a119-4843-a5b7-7a122e4def99')",
      "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
      "Description": "root",
      "Name": "API",
      "UserName": "root",
      "Password": null,
      "Roles": ["ADMINISTRATOR"
      ],
      "IpAddress": "xx.xx.xx.xx",
      "StartTimeStamp": "2017-04-17 20:07:12.357",
      "LastAccessedTimeStamp": "2017-04-17 20:07:45.482"
    }
  ]
}
```

Table 173. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the session service.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the active session.</td>
</tr>
<tr>
<td>Password</td>
<td>Password of the active session.</td>
</tr>
<tr>
<td>Roles</td>
<td>Privilege assigned to the role.</td>
</tr>
<tr>
<td>IpAddress</td>
<td>IP Address of session source.</td>
</tr>
<tr>
<td>StartTimeStamp</td>
<td>Date and time when the session began.</td>
</tr>
</tbody>
</table>
POST method for Members

This method authenticates a user and establishes a session.

<table>
<thead>
<tr>
<th>Description</th>
<th>Establishes a session.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>SECURITY_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

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

Output:
```
{
    "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
    "Description": "root",
    "Name": "API",
    "UserName": "root",
    "Password": null,
    "Roles": ["ADMINISTRATOR"],
    "IpAddress": "xx.xx.xx.xx",
    "StartTimeStamp": "2017-04-17 20:07:12.357",
    "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}
```

**Table 174. Attributes**

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the session service.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the active session.</td>
</tr>
<tr>
<td>Password</td>
<td>Password of the active session.</td>
</tr>
<tr>
<td>Roles</td>
<td>Role assigned to the session.</td>
</tr>
<tr>
<td>IpAddress</td>
<td>IP Address of session source.</td>
</tr>
<tr>
<td>StartTimeStamp</td>
<td>Date and time when the session began.</td>
</tr>
<tr>
<td>LastAccessedTimeStamp</td>
<td>Date and time when the session was last accessed.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the details of a session.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>SECURITY_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>
Example

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

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

Output:
{
  "Id": "7b723932-a119-4843-a5b7-7a122e4def99",
  "Description": "root",
  "Name": "API",
  "UserName": "root",
  "Password": null,
  "Roles": [
    "ADMINISTRATOR"
  ],
  "IpAddress": "xx.xx.xx.xx",
  "StartTimeStamp": "2017-04-17 20:07:12.357",
  "LastAccessedTimeStamp": "2017-04-17 20:07:12.357"
}

DELETE method for Members(Id)

This method deletes a session.

Description
Deletes a session.

Privilege
SECURITY_SETUP

HTTP response codes
204

Example

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

Output:

Redfish — Account Service

This resource enables you to access the account configuration. Using this resource, you can view the accounts and their roles, update the configuration of accounts, delete accounts, and so on.

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

/redfish/v1/AccountService

This URI represents the account configuration of all the accounts.

GET method for AccountService

This method returns the account configuration of all the accounts.

Description
Returns the account configuration.

Privilege
VIEW

HTTP response codes
200
Example

Input:

```
{
  "@odata.context": "$metadata#AccountService.v1_0_2.AccountService",
  "@odata.id": "/redfish/v1/AccountService",
  "Oem": {
    "Dell": {
      "ByUserName": false,
      "ByIPAddress": false,
      "EnableIpRangeAddress": false
    }
  },
  "Id": "10",
  "Description": "MSM User Accounts",
  "Name": "Account Service",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK",
    "Health": "OK",
    "Oem": null
  },
  "ServiceEnabled": false,
  "AuthFailureLoggingThreshold": 3,
  "MinPasswordLength": 8,
  "MaxPasswordLength": 20,
  "AccountLockoutThreshold": 3,
  "AccountLockoutDuration": 30,
  "AccountLockoutCounterResetAfter": 900,
  "Accounts": {
    "@odata.id": "/redfish/v1/AccountService/Accounts"
  },
  "Roles": {
    "@odata.id": "/redfish/v1/AccountService/Roles"
  }
}
```

Table 175. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>ID of the account service.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the account service.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the account service.</td>
</tr>
<tr>
<td>ByUserName</td>
<td>Indicates if the service is configured by user name.</td>
</tr>
<tr>
<td>ByIPAddress</td>
<td>Indicates if the service is configured by IP address.</td>
</tr>
<tr>
<td>State</td>
<td>Indicates the known state of the resource.</td>
</tr>
<tr>
<td>HealthRollup</td>
<td>Health roll-up status</td>
</tr>
<tr>
<td>Health</td>
<td>Health of the resource.</td>
</tr>
<tr>
<td>MinPasswordLength</td>
<td>Minimum length of the password.</td>
</tr>
<tr>
<td>MaxPasswordLength</td>
<td>Maximum length of the password.</td>
</tr>
<tr>
<td>ServiceEnabled</td>
<td>Indicates if the service is enabled or disabled.</td>
</tr>
<tr>
<td>AuthFailureLoggingThreshold</td>
<td>The number of authorization failures after which the failure attempt is logged in the Manager log.</td>
</tr>
<tr>
<td>AccountLockoutThreshold</td>
<td>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.</td>
</tr>
<tr>
<td>Attribute name</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>AccountLockoutDuration</td>
<td>Number of seconds for which an account is locked after the account lockout threshold is met. This value must be equal to or greater than the value for AccountLockoutResetAfter. 0 indicates that the account is never locked.</td>
</tr>
<tr>
<td>AccountLockoutCounterResetAfter</td>
<td>Number of seconds after which the lockout threshold counter is reset to zero. The duration is counted from the last failed login attempt. This value must be equal to or less than the value for AccountLockoutDuration.</td>
</tr>
<tr>
<td>EnableIpRangeAddress</td>
<td>Indicates if IP range address is enabled or disabled.</td>
</tr>
<tr>
<td>IpRangeAddress</td>
<td>IP range address to be used.</td>
</tr>
</tbody>
</table>

**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",
    },
    "AuthFailureLoggingThreshold": 3,
    "MinPasswordLength": 8,
    "MaxPasswordLength": 20,
    "AccountLockoutThreshold": 3,
    "AccountLockoutDuration": 30,
    "AccountLockoutCounterResetAfter": 900,
    "IpRangeAddress": null,
    "ServiceEnabled": false,
    "ByUserName": false,
    "ByIPAddress": false,
    "EnableIpRangeAddress": false
}
```
### Table 176. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>ID of the account service.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the account service.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the account service.</td>
</tr>
<tr>
<td>ByUserName</td>
<td>Indicates if the service is configured by user name.</td>
</tr>
<tr>
<td>ByIPAddress</td>
<td>Indicates if the service is configured by IP address.</td>
</tr>
<tr>
<td>State</td>
<td>Indicates the known state of the resource.</td>
</tr>
<tr>
<td>HealthRollup</td>
<td>Health roll-up status</td>
</tr>
<tr>
<td>Health</td>
<td>Health of the resource.</td>
</tr>
<tr>
<td>MinPasswordLength</td>
<td>Minimum length of the password.</td>
</tr>
<tr>
<td>MaxPasswordLength</td>
<td>Maximum length of the password.</td>
</tr>
<tr>
<td>ServiceEnabled</td>
<td>Indicates if the service is enabled or disabled.</td>
</tr>
<tr>
<td>AuthFailureLoggingThreshold</td>
<td>The number of authorization failures after which the failure attempt is logged in the Manager log.</td>
</tr>
<tr>
<td>AccountLockoutThreshold</td>
<td>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.</td>
</tr>
<tr>
<td>AccountLockoutDuration</td>
<td>Number of seconds for which an account is locked after the account lockout threshold is met. This value must be equal to or greater than the value for AccountLockoutResetAfter. 0 indicates that the account is never locked.</td>
</tr>
<tr>
<td>AccountLockoutCounterResetAfter</td>
<td>Number of seconds after which the lockout threshold counter is reset to zero. The duration is counted from the last failed login attempt. This value must be equal to or less than the value for AccountLockoutDuration.</td>
</tr>
<tr>
<td>EnableIpRangeAddress</td>
<td>Indicates if IP range address is enabled or disabled.</td>
</tr>
<tr>
<td>IpRangeAddress</td>
<td>IP range address to be used.</td>
</tr>
</tbody>
</table>

/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**

```json
Input:
Output:
{
  "@odata.context": "$metadata#Collection(ManagerAccount.v1_0_2.ManagerAccount)",
  "$metadata" : 
  "@odata.count": 1,
  "value": [ 
```
"@odata.id": "/redfish/v1/AccountService/Accounts/Members('1814')",
"Oem": {
  "Dell": {
    "UserTypeId": 1,
    "DirectoryServiceId": 0,
    "IsBuiltin": true
  }
},
"Id": "1814",
"Description": "root",
"Name": "root",
"Password": null,
"UserName": "root",
"RoleId": "10",
"Locked": false,
"Enabled": true,
"links": null
}

Table 177. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the account.</td>
</tr>
<tr>
<td>UserTypeId</td>
<td>ID of the type of user.</td>
</tr>
<tr>
<td>DirectoryServiceId</td>
<td>ID of the directory service.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the user.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the user. This value is the same as user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. While retrieving the details, this value is not displayed.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates whether the account is locked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates whether the account is a built-in account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates whether the account is enabled.</td>
</tr>
</tbody>
</table>

**POST method for Members**

This method creates an account.

**Description**

Creates an account.

**Privilege**

SECURITY_SETUP

**HTTP response codes**

201

**Example**

Input:

```json
{
  "Description": "user2 description",
  "Name": "user2",
  "Password": "Dell1236",
  "UserName": "user2",
  "RoleId": "10",
  "Locked": false,
  "Enabled": true
}
```

Output:
Table 178. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the account.</td>
</tr>
<tr>
<td>UserTypeId</td>
<td>ID of the type of user.</td>
</tr>
<tr>
<td>DirectoryServiceId</td>
<td>ID of the directory service.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the user.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the user. This value is the same as user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. This value is not displayed when retrieving the details.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates whether the account is locked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates whether the account is a built-in account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates whether the account is enabled.</td>
</tr>
</tbody>
</table>

/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:

```json
{
   "@odata.context": "$metadata#ManagerAccount.v1_0_2.ManagerAccount/$entity",
   "@odata.id": "/redfish/v1/AccountService/Accounts/Members('1814')",
   "Oem": {
      "Dell": {
         "UserTypeId": 1,
         "DirectoryServiceId": 0,
         "IsBuiltin": true
      }
   }
}
```
Table 179. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the account.</td>
</tr>
<tr>
<td>UserTypeId</td>
<td>ID of the type of user.</td>
</tr>
<tr>
<td>DirectoryServiceId</td>
<td>ID of the directory service.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the user.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the user. This value is the same as user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. This value is not displayed when retrieving the details.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates whether the account is locked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates whether the account is a built-in account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates whether the account is enabled.</td>
</tr>
</tbody>
</table>

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",
    "UserTypeId": 1,
    "DirectoryServiceId": 0,
    "Name": "user2",
    "Password": null,
    "UserName": "user2",
    "Description": "user2 description",
    "RoleId": "10",
    "Locked": false,
    "Enabled": true
}
```
Table 180. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the account.</td>
</tr>
<tr>
<td>UserTypeId</td>
<td>ID of the type of user.</td>
</tr>
<tr>
<td>DirectoryServiceId</td>
<td>ID of the directory service.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the user.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the user. This value is the same as user name.</td>
</tr>
<tr>
<td>Password</td>
<td>Password for the user. This value is not displayed when retrieving the details.</td>
</tr>
<tr>
<td>UserName</td>
<td>User name of the account.</td>
</tr>
<tr>
<td>RoleId</td>
<td>Role for the account.</td>
</tr>
<tr>
<td>Locked</td>
<td>Indicates whether the account is locked.</td>
</tr>
<tr>
<td>IsBuiltin</td>
<td>Indicates whether the account is a built-in account.</td>
</tr>
<tr>
<td>Enabled</td>
<td>Indicates whether the account is enabled.</td>
</tr>
</tbody>
</table>

DELETE method for Members(Id)

This method deletes an account.

<table>
<thead>
<tr>
<th>Description</th>
<th>Deletes an account.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>SECURITY_SETUP</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>204</td>
</tr>
<tr>
<td>Example</td>
<td>Input:</td>
</tr>
<tr>
<td></td>
<td>Output:</td>
</tr>
</tbody>
</table>

Table 181. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>ID of the account to be deleted.</td>
</tr>
</tbody>
</table>

/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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the details of a role.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
</tbody>
</table>
HTTP response codes

Example

Input:
Output:
{
  "@odata.context": "$metadata#Role.Role/$entity",
  "@odata.id": "/redfish/v1/AccountService/Roles/Members('10')",
  "Oem": null,
  "Id": "10",
  "Description": "Privileges to do all operations",
  "Name": "CHASSIS_ADMINISTRATOR"
}

Table 182. Attributes

<table>
<thead>
<tr>
<th>Attribute name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Record ID of the role.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the role.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the role.</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Privilege</th>
<th>HTTP response codes</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Returns the details of the chassis.</td>
<td>VIEW</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

Example input:

```
{"@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 resource model 457
This URI represents the systems.

**GET method for Systems**

This method returns the collection of the systems.

<table>
<thead>
<tr>
<th>Description</th>
<th>Returns the collection of systems.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privilege</td>
<td>VIEW</td>
</tr>
<tr>
<td>HTTP response codes</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example**

Input:

```json
{ }```

Output:

```json
{
   "@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')"
   }
   ]
}
```