

# OpenManage Enterprise–Tech Release

REST 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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# Introduction

This guide provides information for integrating with OpenManage Enterprise Representational State Transfer (REST) APIs. It provides examples of using REST to perform common tasks based on integration use cases with other products such as OpenManage Mobile, Repository Manager, and the Dell Software group portfolio.

This guide is not intended to be an introduction to REST. There are several publicly available documents (for example, Fielding's dissertation and RESTful Web services books) that provide the necessary background information about REST.

# Key integration concepts

This section covers key integration concepts that are applicable to all of the use cases that are addressed in the next section.

Topics:

- [Base URI](#)
- [Security](#)
- [Authentication mechanisms](#)
- [Resource operations](#)
- [Security considerations](#)
- [Data filtering and sorting](#)
- [Data pagination](#)
- [Request headers](#)
- [Response codes](#)
- [Response headers](#)

## Base URI

The base URI for a REST request must be in the following format:

```
https://<HOST_ADDRESS>/api/<SERVICE_NAMESPACE>
```

Hereafter, **https://<HOST\_ADDRESS>/api/** is referred to as the <BASE\_URI>.

An example of a base URI for OpenManage Enterprise is as follows:

```
https://192.168.0.1/api/SessionService/Sessions
```

## Security

The REST services will only be exposed through HTTPS to ensure that the common threats associated with the HTTP traffic are mitigated. The administrator will have the option of updating the SSL self-signed certificate with a customer-provided certificate (for example, by uploading a PKCS-12 certificate or by signing an application-generated CSR).

## Authentication mechanisms

There are several common schemes for enabling authentication of REST requests. The following is a summary of the most common schemes:

### Basic Authentication

The authorization header in the request has the base-64 encoding of the credentials (username and password). If the credentials are not provided, a 401 (Authorization Failure) error is returned. Because the encoding is weak, this mechanism is only supported when SSL/TLS is used for the transport.

## X-Auth-Token Authentication

An alternative to Basic Authentication is the x-auth-token authentication. Users will execute the SessionService REST API to start a session:

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

The returning header will contain the x-auth-token:

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

This x-auth-token will then be used in the header for subsequent REST calls and will be used to authenticate the user.

## Resource operations

The standard HTTP methods are used for performing create, retrieve, update, and delete operations on resources. The mapping of the HTTP methods to operational semantics is described in the following table:

**Table 1. Resource operations**

HTTP method	Description	Example
GET	Used to retrieve 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.	GET <BASE_URI>/ApplicationService/AuditLogs?\$filter=CreatedDate gt '2016-11-15 16:35:39.820'  To retrieve only logs with dates after '2016-11-15 16:35:39.820' .
POST	Used to create a new instance of a resource or append to the existing resource reference.	POST <BASE_URI>/SessionService/Sessions  Creates a new user session (Payload is not shown.)
PUT	Used to update a specific instance or create a specific resource instance with a specific identifier.	PUT <BASE_URI>/AccountService/Accounts('1414')  Updates the user account details (Payload is not shown).
DELETE	Used to remove a specific resource. If the resource does not exist, success is returned.	DELETE <BASE_URI>/AccountService/Accounts('1414')  Deletes a specific user account with an instance identifier ('1234').

# Security considerations

The OpenManage Enterprise REST 'PUT' and 'DELETE' operations require that the user IDs used to run these commands have write access to the base directory where the OpenManage Enterprise REST services are installed. If the 'write' permission on this directory is not enabled for the user IDs used to access the DELETE and PUT operations, an error is thrown to indicate that the ID is unauthorized.

Typically, on a default installation, the REST services top level directory is as shown below in the screen shot:

## Data filtering and sorting

Data filtering can be accomplished by associating queries with the GET request. In the simplest form, it is a set of parameter name/value pairs that are appended to the request. The following is an example of data filtering:

```
<BASE_URI>/ApplicationService/AuditLogs?$filter=CreatedDate gt '2016-11-15 16:35:39.820'
```

(To get the list of critical acknowledged alerts 16: Critical Severity, 1: Status Acknowledged)

```
<BASE_URI>/SessionService/Sessions?$orderby='Name' asc
```

(To get the list of sessions in order by SessionType name in ascending order)

```
<BASE_URI>/SessionService/Sessions?$skip=1&$top=2&
```

(To get the list of sessions by skipping to the 2<sup>nd</sup> session, and returning the top 3 )

## Data pagination

Data pagination can be accomplished by providing additional information in the GET request corresponding to a chunk of data. The response returns information on the total number of entries that could be used to reset any page numbering if the data has changed since the last call:

```
<BASE_URI>/ SessionService/Sessions/$top=2
```

This query will return the first chunk of data corresponding to the top two sessions.

```
<BASE_URI>/ SessionService/Sessions /$skip=2&$top=3
```

This query will skip the first two records and return effectively the next three sessions.

**NOTE: The pagination keywords (\$top and \$skip) are case sensitive.**

Data pagination may be combined with data filtering. However, the data pagination key-value pairs must appear first. For example, if you want to retrieve the top 100 devices with critical status, use the following command:

```
<BASE_URI>/ApplicationService/AuditLogs?$filter=CreatedDate gt '2016-11-15 16:35:39.820'&$top=20
```

A maximum of 20 logs with a date greater than '2016-11-15 16:35:39.820' will be returned. The number of logs returned could be less than the maximum of 20 that was requested.

# 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 will indicate the supported preference in the response header. The following table includes a few examples of request headers. For an extensive list of request headers, see [List of HTTP header fields](#).

**Table 2. Request headers**

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

# Response codes

For synchronous operations, the server returns HTTP response codes 200 or 204 depending on the request. For long-running operations, the server returns a status code of 202 along with a HTTP response header (Location), corresponding to the URI of the temporary resource that can be used to monitor the operation. The following table includes a few examples of response codes. For an extensive list of response codes, see [List of HTTP status codes](#).

**Table 3. Response codes**

Request header	Description
<b>Success codes</b>	
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)
<b>Failure codes</b>	
Invalid parameter	400 – Invalid parameter
Authorization	401 – Authorization failure
Permission denied	403 – Permission denied



Request header	Description
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

## Response headers

The following table includes a few examples of response headers. For an extensive list of response headers, see [List of HTTP header fields](#).

**Table 4. Response headers**

Response header	Description	Example
Connection	Control options for the current connection and list of hop-by-hop request fields.[8]  Must not be used with HTTP/2.[9]	Connection : Keep-Alive
Content-Type	Specifies the format of the content that is returned by the server. If there are multiple formats that could be accepted in the client request (using the Accept header), the server chooses the appropriate supported format.	Content-Type: application/json; odata.metadata=minimal
Keep-alive	The timeout header parameter indicates the time that a connection will be allowed to remain idle before it is closed.  The max header parameter indicates the maximum number of requests that will be permitted before the connection is closed.	Timeout=5; max=150
Content-length	The length of the request body in octets (8-bit bytes).	Content-Length: 348
date	The date and time that the message was originated (in "HTTP-date" format as defined by RFC 7231 Date/Time Formats).	date: Thu, 02 Apr 2009 11:11:28 GMT
Odata-version	What version of Odata that is used.	Odata: 4.0
Location	Used in redirection, or when a new resource has been created.	Location:  <BASE_URI>/SessionService/Sessions ('3204bb9d-409d-4bd9-8a5f-d44005c81a2c')
Server	A name for the server	Server: Apache

<b>Response header</b>	<b>Description</b>	<b>Example</b>
x-frame-options	Clickjacking protection: deny - no rendering within a frame, sameorigin - no rendering if origin mismatch, allow-from - allow from specified location, allowall - non-standard, allow from any location	DENY

# OpenManage Enterprise–Specific resource model

The following sub-sections represent a subset of the use cases that OpenManage Enterprise supports. The REST API support and the operation support will be incrementally refined based on consumer feedback over multiple OpenManage Enterprise releases. Also, see the [Data filtering and sorting](#) and [Data pagination](#) sections for patterns that can be used for performing paged retrieval of large result sets in OpenManage Enterprise (for example, devices, discovery, and warranty).

Also, the following sections have information about the minimal set of attributes required for data filtering and sorting operations. The filtering can be enabled by using a suffix such as `<Resource URI>? <Attribute Name1>=<Value1> & <Attribute Name2>=<Value2>`.

Topics:

- [Discovery service](#)
- [Warranty service](#)
- [Reports service](#)
- [Groups service](#)
- [Device service](#)
- [QuerySupport service](#)
- [MIB import REST service](#)
- [Troubleshoot service](#)
- [Template service](#)

## Discovery service

The following resource URI can be used to access discovery in OpenManage Enterprise:

### 2.1.1 /api/DiscoveryConfigService/Jobs

#### Description

Returns a collection of discovery tasks.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET

#### GET Usage Examples

Input:

Output:

```
{
"@odata.context": "$metadata#Collection(DiscoveryConfigService.DiscoveryJob)",
"@odata.count": 1,
"value": [
  {
    "@odata.id": "/api/DiscoveryConfigService/Jobs(4264)",
    "JobId": 4264,
    "JobName": "10.35.155.145",
    "JobDescription": "10.35.155.145",
    "JobSchedule": "startnow",
    "JobStartTime": "2017-11-01 20:24:52.268",
    "JobEndTime": "2017-11-01 20:26:15.987",
    "JobProgress": "100",
    "JobStatusId": 2060,
    "JobNextRun": null,
    "UpdatedBy": "admin",
    "LastUpdateTime": "2017-11-01 20:26:15.987",
    "DiscoveryConfigGroupId": 1,
    "DiscoveryConfigExpectedDeviceCount": 1,
    "DiscoveryConfigDiscoveredDeviceCount": 1,
    "DiscoveryConfigEmailRecipient": null,
    "DiscoveredDevicesByType": [
      {
        "DeviceType": "SERVER",
        "Count": 1
      }
    ]
  }
]
}
```

**Table 5. Attributes**

Attribute name	Description
JobId	ID of job.
JobName	Name of the Job
JobSchedule	Job Schedule Information
JobStartTime	Start time of the Job
JobEndTime	Completion time of Job
JobProgress	Percentage of the Job completed
JobStatusId	Status of the Job such as complete and failed
JobNextRun	If Job is scheduled, gives the next scheduled time.
LastUpdateTime	Last time when Job was updated
DiscoveryConfigExpectedDeviceCount	Total devices to be discovered as part of task
DiscoveryConfigDiscoveredDeviceCount	Actual devices discovered as part of the task

### 2.1.2 /api/DiscoveryConfigService/DiscoveryConfigGroups

**POST**

## Description

Creates a new Discovery Task

## Privilege

DISCOVERY\_MANAGEMENT

## HTTP Response Codes

201

## POST Usage Example 1:

Input:

```
{
{
  "DiscoveryConfigGroupName": "Discovery-2017033110553636",
  "DiscoveryConfigGroupDescription": "null",
  "DiscoveryStatusEmailRecipient": "test@dell.com",
  "DiscoveryConfigModels": [
    {
      "DiscoveryConfigId": 331105536,
      "DiscoveryConfigDescription": "",
      "DiscoveryConfigStatus": "",
      "DiscoveryConfigTargets": [
        {
          "DiscoveryConfigTargetId": 0,
          "NetworkAddressDetail": "10.35.0.0-10.35.0.255",
          "AddressType": 30,
          "Disabled": false,
          "Exclude": false
        }
      ],
      "ConnectionProfileId": 0,
      "ConnectionProfile": "{\"profileName\": \"\", \"profileDescription\": \"\", \"type\": \"DISCOVERY\", \"credentials\": [{\"id\": 0, \"type\": \"WSMAN\", \"authType\": \"Basic\", \"modified\": false, \"credentials\": {\"username\": \"root\", \"password\": \"calvin\", \"caCheck\": false, \"cnCheck\": false, \"port\": 443, \"retries\": 3, \"timeout\": 60, \"isHttp\": false, \"keepAlive\": false}}]\",
      "DeviceType": [
        1000
      ]
    }
  ],
  "Schedule": {
    "RunNow": true,
    "RunLater": false,
    "Cron": "startnow",
    "StartTime": "",
    "EndTime": ""
  },
  "CreateGroup": true,
  "TrapDestination": false
}
}
```

Output:

```
{
  "DiscoveryConfigGroupId": 2,
  "DiscoveryConfigGroupName": "Discovery-2017033110553636",
  "DiscoveryConfigGroupDescription": "Discovery-2017033110553636",
  "DiscoveryStatusEmailRecipient": null,
  "DiscoveryConfigParentGroupId": 0,
  "CreateGroup": true,
  "DiscoveryConfigModels": [
```

```

{
  "DiscoveryConfigId": 331105536,
  "DiscoveryConfigDescription": "",
  "DiscoveryConfigStatus": "",
  "DiscoveryConfigTargets": [
    {
      "DiscoveryConfigTargetId": 0,
      "NetworkAddressDetail": "10.35.0.0-10.35.0.255",
      "SubnetMask": null,
      "AddressType": 1,
      "Disabled": false,
      "Exclude": false
    }
  ],
  "ConnectionProfileId": 0,
  "ConnectionProfile": "{\"profileName\":\"\", \"profileDescription\":\"\", \"type\": \"DISCOVERY\", \"credentials\": [{\"id\":0, \"type\": \"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
  ]
},
"DiscoveryConfigTaskParam": [
  {
    "TaskId": 4314,
    "TaskTypeId": 0,
    "ExecutionSequence": 0
  }
],
"DiscoveryConfigTasks": [],
"Schedule": {
  "RunNow": false,
  "RunLater": false,
  "Recurring": null,
  "Cron": "startnow",
  "StartTime": null,
  "EndTime": null
},
"TrapDestination": false,
"ChassisIdentifier": null
}

```

POST Usage Example 2: Create Discovery Task with RUN LATER schedule.

Input:

```

{
  "DiscoveryConfigGroupName": "Discovery-2017091613542121",
  "DiscoveryConfigGroupDescription": "null",
  "DiscoveryConfigModels": [
    {
      "DiscoveryConfigId": 916135421,
      "DiscoveryConfigDescription": "",
      "DiscoveryConfigStatus": "",
      "DiscoveryConfigTargets": [
        {
          "DiscoveryConfigTargetId": 0,
          "NetworkAddressDetail": "10.35.0.0",
          "AddressType": 30,
          "Disabled": false,
          "Exclude": false
        }
      ]
    },
    "ConnectionProfileId": 0,
    "ConnectionProfile": "{\"profileName\":\"\", \"profileDescription\":\"\", \"type\": \"DISCOVERY\", \"credentials\": [{\"id\":0, \"type\": \"WSMAN\", \"authType\": \"Basic\", \"modified

```

```

\":false,\"credentials\":{\"username\": \"root\", \"password\": \"calvin\", \"caCheck\": false,
\"cnCheck\": false, \"port\": 443, \"retries\": 3, \"timeout\": 60, \"isHttp\": false, \"keepAlive
\":false}}}],
  \"DeviceType\": [
    1000
  ]
},
],
\"Schedule\": {
  \"RunNow\": false,
  \"RunLater\": true,
  \"Cron\": \"0 55 19 16 9 ? 2017\",
  \"StartTime\": \"\",
  \"EndTime\": \"\"
},
\"CreateGroup\": true,
\"TrapDestination\": false
}

```

Output:

```

{
  \"DiscoveryConfigGroupId\": 3,
  \"DiscoveryConfigGroupName\": \"Discovery-2017091613542121\",
  \"DiscoveryConfigGroupDescription\": \"Discovery-2017091613542121\",
  \"DiscoveryStatusEmailRecipient\": null,
  \"DiscoveryConfigParentGroupId\": 0,
  \"CreateGroup\": true,
  \"DiscoveryConfigModels\": [
    {
      \"DiscoveryConfigId\": 916135421,
      \"DiscoveryConfigDescription\": \"\",
      \"DiscoveryConfigStatus\": \"\",
      \"DiscoveryConfigTargets\": [
        {
          \"DiscoveryConfigTargetId\": 0,
          \"NetworkAddressDetail\": \"10.35.0.0\",
          \"SubnetMask\": null,
          \"AddressType\": 3,
          \"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
      ]
    }
  ],
  \"DiscoveryConfigTaskParam\": [
    {
      \"TaskId\": 7514,
      \"TaskTypeId\": 0,
      \"ExecutionSequence\": 0
    }
  ],
  \"DiscoveryConfigTasks\": [],
  \"Schedule\": {
    \"RunNow\": false,
    \"RunLater\": false,
    \"Recurring\": null,
    \"Cron\": \"0 55 19 16 9 ? 2017\",
    \"StartTime\": \"\",
    \"EndTime\": \"\"
  }
},

```

```

"TrapDestination": false,
"ChassisIdentifier": null
}

```

POST Usage Example 3: Create Discovery Task with RUN RECURRING schedule.

Input:

```

{
  "DiscoveryConfigGroupName": "Discovery-2017111313254545",
  "DiscoveryConfigGroupDescription": "null",
  "DiscoveryConfigModels": [
    {
      "DiscoveryConfigId": 1113132545,
      "DiscoveryConfigDescription": "",
      "DiscoveryConfigStatus": "",
      "DiscoveryConfigTargets": [
        {
          "DiscoveryConfigTargetId": 0,
          "NetworkAddressDetail": "10.35.0.0-10.35.0.255",
          "AddressType": 30,
          "Disabled": false,
          "Exclude": false
        }
      ],
      "ConnectionProfileId": 0,
      "ConnectionProfile": {
        "profileName": "\\\"",
        "profileDescription": "\\\"",
        "type": "\\DISCOVERY\\",
        "credentials": [
          {
            "id": 0,
            "type": "\\WSMAN\\",
            "authType": "\\Basic\\",
            "modified": false,
            "credentials": {
              "username": "\\root\\",
              "password": "\\test\\",
              "caCheck": false,
              "cnCheck": false,
              "port": 443,
              "retries": 3,
              "timeout": 60,
              "isHttp": false,
              "keepAlive": false
            }
          }
        ],
        "DeviceType": [
          1000
        ]
      }
    }
  ],
  "Schedule": {
    "RunNow": false,
    "RunLater": true,
    "Cron": "0 26 19 * * ? *",
    "StartTime": "",
    "EndTime": ""
  },
  "CreateGroup": true,
  "TrapDestination": false
}

```

Output:

```

{
  "DiscoveryConfigGroupId": 5,
  "DiscoveryConfigGroupName": "Discovery-2017111313254545",
  "DiscoveryConfigGroupDescription": "Discovery-2017111313254545",
  "DiscoveryStatusEmailRecipient": null,
  "DiscoveryConfigParentGroupId": 0,
  "CreateGroup": true,
  "DiscoveryConfigModels": [
    {
      "DiscoveryConfigId": 1113132545,
      "DiscoveryConfigDescription": "",
      "DiscoveryConfigStatus": "",
      "DiscoveryConfigTargets": [
        {
          "DiscoveryConfigTargetId": 0,
          "NetworkAddressDetail": "10.35.0.0-10.35.0.255",
          "SubnetMask": null,
          "AddressType": 1,
          "Disabled": false,
          "Exclude": false
        }
      ],
      "ConnectionProfileId": 0,

```



```

        "ConnectionProfile": "{\profileName\": \"\", \profileDescription\": \"\", \type\":
\DISCOVERY\", \credentials\": [{\id\": 0, \type\": \WSMAN\", \authType\": \Basic\", \modified
\": false, \credentials\": {\username\": \root\", \password\": \test\", \caCheck\": false,
\cnCheck\": false, \port\": 443, \retries\": 3, \timeout\": 60, \isHttp\": false, \keepAlive
\": false}}]}",
        "DeviceType": [
            1000
        ]
    },
    "DiscoveryConfigTaskParam": [
        {
            "TaskId": 7764,
            "TaskTypeId": 0,
            "ExecutionSequence": 0
        }
    ],
    "DiscoveryConfigTasks": [],
    "Schedule": {
        "RunNow": false,
        "RunLater": false,
        "Recurring": null,
        "Cron": "0 26 19 * * ? *",
        "StartTime": "",
        "EndTime": ""
    },
    "TrapDestination": false,
    "ChassisIdentifier": null
}

```

POST Usage Example 2: Create Discovery Task with MULTIPLE Protocol.

Input:

```

{
    "DiscoveryConfigGroupName": "Discovery-2017091614032525",
    "DiscoveryConfigGroupDescription": "null",
    "DiscoveryConfigModels": [
        {
            "DiscoveryConfigId": 916140325,
            "DiscoveryConfigDescription": "",
            "DiscoveryConfigStatus": "",
            "DiscoveryConfigTargets": [
                {
                    "DiscoveryConfigTargetId": 0,
                    "NetworkAddressDetail": "10.0.0.0",
                    "AddressType": 30,
                    "Disabled": false,
                    "Exclude": false
                }
            ],
            "ConnectionProfileId": 0,
            "ConnectionProfile": "{\profileName\": \"\", \profileDescription\": \"\", \type\":
\DISCOVERY\", \credentials\": [{\id\": 0, \type\": \VMWARE\", \authType\": \Basic\", \modified
\": false, \credentials\": {\username\": \test\", \password\": \test\", \caCheck\": false,
\cnCheck\": false, \port\": 443, \retries\": 3, \timeout\": 60, \isHttp\": false, \keepAlive
\": false}}, {\id\": 0, \type\": \WSMAN\", \authType\": \Basic\", \modified\": false, \credentials
\": {\username\": \teste\", \password\": \test\", \caCheck\": false, \cnCheck\": false, \port\":
443, \retries\": 3, \timeout\": 60, \isHttp\": false, \keepAlive\": false}}, {\id\": 0, \type\":
\SNMP\", \authType\": \Basic\", \modified\": false, \credentials\": {\community\": \public\",
\enableV1V2\": true, \port\": 161, \retries\": 3, \timeout\": 3}}, {\id\": 0, \type\": \IPMI\",
\authType\": \Basic\", \modified\": false, \credentials\": {\username\": \test\", \password\":
\test\", \privilege\": 2, \retries\": 3, \timeout\": 59}}, {\id\": 0, \type\": \SSH\", \authType\":
\Basic\", \modified\": false, \credentials\": {\username\": \test\", \isSudoUser\": false,
\password\": \test\", \port\": 22, \useKey\": false, \retries\": 1, \timeout\":
59, \checkKnownHosts\": false}}, {\id\": 0, \type\": \REDFISH\", \authType\": \Basic\", \modified
\": false, \credentials\": {\username\": \test\", \password\": \test\", \caCheck\": false,
\cnCheck\": false, \port\": 443, \retries\": 2, \timeout\": 4, \isHttp\": false, \keepAlive
\": false}}]}",
            "DeviceType": [

```

```

        1000,
        2000,
        5000,
        7000
    ]
}
],
"Schedule":{
    "RunNow":true,
    "RunLater":false,
    "Cron":"startnow",
    "StartTime":"","
    "EndTime":""
},
"CreateGroup":true,
"TrapDestination":false
}

```

OutPut :

```

{
    "DiscoveryConfigGroupId": 7,
    "DiscoveryConfigGroupName": "Discovery-2017091614032525",
    "DiscoveryConfigGroupDescription": "Discovery-2017091614032525",
    "DiscoveryStatusEmailRecipient": null,
    "DiscoveryConfigParentGroupId": 0,
    "CreateGroup": true,
    "DiscoveryConfigModels": [
        {
            "DiscoveryConfigId": 916140325,
            "DiscoveryConfigDescription": "",
            "DiscoveryConfigStatus": "",
            "DiscoveryConfigTargets": [
                {
                    "DiscoveryConfigTargetId": 0,
                    "NetworkAddressDetail": "10.0.0.0",
                    "SubnetMask": null,
                    "AddressType": 3,
                    "Disabled": false,
                    "Exclude": false
                }
            ],
            "ConnectionProfileId": 0,
            "ConnectionProfile": "{\"profileName\":\"\", \"profileDescription\":\"\", \"type\": \"DISCOVERY\", \"credentials\": [{\"id\":0, \"type\": \"VMWARE\", \"authType\": \"Basic\", \"modified\": false, \"credentials\": {\"username\": \"test\", \"password\": \"test\", \"caCheck\": false, \"cnCheck\": false, \"port\": 443, \"retries\": 3, \"timeout\": 60, \"isHttp\": false, \"keepAlive\": false}}, {\"id\":0, \"type\": \"WSMAN\", \"authType\": \"Basic\", \"modified\": false, \"credentials\": {\"username\": \"teste\", \"password\": \"test\", \"caCheck\": false, \"cnCheck\": false, \"port\": 443, \"retries\": 3, \"timeout\": 60, \"isHttp\": false, \"keepAlive\": false}}, {\"id\":0, \"type\": \"SNMP\", \"authType\": \"Basic\", \"modified\": false, \"credentials\": {\"community\": \"public\", \"enableV1V2\": true, \"port\": 161, \"retries\": 3, \"timeout\": 3}}, {\"id\":0, \"type\": \"IPMI\", \"authType\": \"Basic\", \"modified\": false, \"credentials\": {\"username\": \"test\", \"password\": \"test\", \"privilege\": 2, \"retries\": 3, \"timeout\": 59}}, {\"id\":0, \"type\": \"SSH\", \"authType\": \"Basic\", \"modified\": false, \"credentials\": {\"username\": \"test\", \"isSudoUser\": false, \"password\": \"test\", \"port\": 22, \"useKey\": false, \"retries\": 1, \"timeout\": 59, \"checkKnownHosts\": false}}, {\"id\":0, \"type\": \"REDFISH\", \"authType\": \"Basic\", \"modified\": false, \"credentials\": {\"username\": \"test\", \"password\": \"test\", \"caCheck\": false, \"cnCheck\": false, \"port\": 443, \"retries\": 2, \"timeout\": 4, \"isHttp\": false, \"keepAlive\": false}}]\",
            "DeviceType": [
                1000,
                2000,
                5000,
                7000
            ]
        }
    ],
    "DiscoveryConfigTaskParam": [
        {

```

```

        "TaskId": 7964,
        "TaskTypeId": 0,
        "ExecutionSequence": 0
    }
],
"DiscoveryConfigTasks": [],
"Schedule": {
    "RunNow": false,
    "RunLater": false,
    "Recurring": null,
    "Cron": "startnow",
    "StartTime": null,
    "EndTime": null
},
"TrapDestination": false,
"ChassisIdentifier": null
}

```

### 2.1.3 /api/DiscoveryConfigService/Actions/DiscoveryConfigService.RemoveDiscoveryGroup

#### POST

#### Description

Returns the session associated with the user Id

#### Privilege

DISCOVERY\_MANAGEMENT

#### HTTP Response Codes

204

#### GET Usage Examples

URL /api/DiscoveryConfigService/Actions/DiscoveryConfigService.RemoveDiscoveryGroup

Input:

```

{
  "DiscoveryGroupIds": [ 3 ]
}

```

### 2.1.4 /api/DiscoveryConfigService/Actions/DiscoveryConfigService.Parse

#### POST

#### Description

Returns the discovery ranges parsed from csv.

#### Privilege

DISCOVERY\_MANAGEMENT

#### HTTP Response Codes

201

#### GET Usage Examples

URL /api/DiscoveryConfigService/Actions/DiscoveryConfigService.RemoveDiscoveryGroup

Input: (File Name placed in /tmp location)

range valid6c13fcaa-6d08-4749-9903-04fca07d0ee2.csv

Output:

```
{
  "FileError": [
    {
      "LineNumber": 5,
      "ErrorCode": "E_INVALID_IP_ADDRESS",
      "Line": "10-.0.0.0-10.1.0.0,,255.255.0.0,"
    }
  ],
  "AddressModel": [
    {
      "NetworkAddress": "10.255.2.104",
      "Exclude": false,
      "Subnet": null
    },
    {
      "NetworkAddress": "10.255.2.227",
      "Exclude": false,
      "Subnet": null
    },
    {
      "NetworkAddress": "10.255.3.17",
      "Exclude": false,
      "Subnet": null
    }
  ],
  "DuplicateAddressModel": []
}
```

## Warranty service

The following resource URI can be used to access the warranty information in OpenManage Enterprise:

### 2.2.1 /api/WarrantyService/Warranties

#### Description

Returns all the OpenManage Enterprise Warranties

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET

#### GET Usage Examples

Filters:

**Table 6. Filters**

Filter name	Description
top	Top records to return—default 100
skip	Max records to skip—default 0
orderby	Order to apply to the output
Id	Filter by event id—default 0
DeviceType	Filter by device type—default 0
DeviceIdentifier	Filter by device identifier
DeviceModel	Filter by device model—default 0
DaysRemaining	Filter by remaining days for warranty expiry
CustomerNumber	Filter by customer number—default 0
OrderNumber	Filter by order number—default 0

Input:

```

Output: {
  "@odata.context": "/api/$metadata#Collection(WarrantyService.Warranty)",
  "@odata.count": 3,
  "value": [
    {
      "@odata.id": "/api/WarrantyService/Warranties(7664)",
      "Id": 7664,
      "DeviceId": 6014,
      "DeviceModel": "PowerEdge R320",
      "DeviceIdentifier": "2JBW4W1",
      "DeviceType": 1000,
      "CountryLookupCode": "US",
      "CustomerNumber": 52052241,
      "LocalChannel": "01",
      "OrderNumber": 197371632,
      "SystemShipDate": "2012-10-02 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": "2017-11-15 00:00:00.000"
    },
    {
      "@odata.id": "/api/WarrantyService/Warranties(7714)",
      "Id": 7714,
      "DeviceId": 6114,
      "DeviceModel": "PowerEdge R530",
      "DeviceIdentifier": "7NP3D42",
      "DeviceType": 1000,
      "CountryLookupCode": "US",
      "CustomerNumber": 134516886,
      "LocalChannel": "01",
      "OrderNumber": 816694190,
      "SystemShipDate": "2015-05-14 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": "2017-11-15 00:00:00.000"
  },
  {
    "@odata.id": "/api/WarrantyService/Warranties(7764)",
    "Id": 7764,
    "DeviceId": 4914,
    "DeviceModel": "PowerEdge R630",
    "DeviceIdentifier": "BWYWP22",
    "DeviceType": 1000,
    "CountryLookupCode": "US",
    "CustomerNumber": 52052241,
    "LocalChannel": "01",
    "OrderNumber": 720529326,
    "SystemShipDate": "2014-11-17 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": "2017-11-15 00:00:00.000"
  }
}

```

## 2.2.2 / api/WarrantyService/Actions/WarrantyService.WarrantyCount

### Description

Returns the count of warranty based on Warranty Setting Criteria for scoreboard

### Privilege

VIEW

### HTTP Response Codes

200

### POST

### Post Usage Examples

Input:

```

{ "NumberOfActiveWarranties":0,
  "NumberOfWarrantiesExpiringSoon":0,
  "NumberOfExpiredWarranties":0,
  "ScoreBoard":true }

```

Output:

```

{
  "NumberOfActiveWarranties": 0,
  "NumberOfWarrantiesExpiringSoon": 1,
  "NumberOfExpiredWarranties": 56,
  "ScoreBoard": false
}

```

# Reports service

## 2.3.1 /api/ReportService/ReportDefs

### GET

#### Description

Returns a collection report definitions

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Input:

Output:

```
{
  "@odata.context": "/api/$metadata#Collection(ReportService.ReportDef)",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/ReportService/ReportDefs(3264)",
      "Id": 3264,
      "Name": "Alert Counts per Device Report",
      "Description": "This report contains alert counts per severity and totals per
Device.",
      "IsBuiltIn": true,
      "LastEditedBy": "admin",
      "LastRunDate": null,
      "LastRunBy": null,
      "LastRunDuration": null,
      "QueryDef": {
        "FilterId": 36,
        "ContextId": 3
      },
      "ColumnNames": [
        {
          "Id": 1000,
          "Name": "Device Name",
          "Width": 30,
          "Sequence": 1
        },
        {
          "Id": 1001,
          "Name": "Service Tag",
          "Width": 20,
          "Sequence": 2
        },
        {
          "Id": 1002,
          "Name": "Device Type",
          "Width": 20,
          "Sequence": 3
        },
        {
          "Id": 1003,
          "Name": "Device Model",
          "Width": 30,
```

```

        "Sequence": 4
    },
    {
        "Id": 1004,
        "Name": "Count Critical",
        "Width": 20,
        "Sequence": 5
    },
    {
        "Id": 1005,
        "Name": "Count Warning",
        "Width": 20,
        "Sequence": 6
    },
    {
        "Id": 1006,
        "Name": "Count Normal",
        "Width": 20,
        "Sequence": 7
    },
    {
        "Id": 1007,
        "Name": "Count Info",
        "Width": 20,
        "Sequence": 8
    },
    {
        "Id": 1008,
        "Name": "Count Total",
        "Width": 20,
        "Sequence": 9
    }
],
"FilterGroupId": 0,
"QsmQuery": false,
"ReportResults": {
    "@odata.id": "/api/ReportService/ReportDefs(3264)/ReportResults"
}
},
{
    "@odata.id": "/api/ReportService/ReportDefs(3314)",
    "Id": 3314,
    "Name": "Alerts Weekly Report",
    "Description": "This report contains critical and warning alerts received over the
last 7 days.",
    "IsBuiltIn": true,
    "LastEditedBy": "admin",
    "LastRunDate": null,
    "LastRunBy": null,
    "LastRunDuration": null,
    "QueryDef": {
        "FilterId": 37,
        "ContextId": 3
    },
    "ColumnNames": [
        {
            "Id": 1100,
            "Name": "Device Name",
            "Width": 30,
            "Sequence": 1
        },
        {
            "Id": 1101,
            "Name": "Service Tag",
            "Width": 20,
            "Sequence": 2
        },
        {
            "Id": 1102,

```



```

        "Name": "Device Type",
        "Width": 20,
        "Sequence": 3
    },
    {
        "Id": 1103,
        "Name": "Device Model",
        "Width": 30,
        "Sequence": 4
    },
    {
        "Id": 1104,
        "Name": "Severity",
        "Width": 20,
        "Sequence": 5
    },
    {
        "Id": 1105,
        "Name": "Acknowledged",
        "Width": 20,
        "Sequence": 6
    },
    {
        "Id": 1106,
        "Name": "Timestamp",
        "Width": 24,
        "Sequence": 7
    },
    {
        "Id": 1107,
        "Name": "Message",
        "Width": 60,
        "Sequence": 8
    },
    {
        "Id": 1108,
        "Name": "Message Id",
        "Width": 20,
        "Sequence": 9
    },
    {
        "Id": 1109,
        "Name": "Category",
        "Width": 20,
        "Sequence": 10
    },
    {
        "Id": 1110,
        "Name": "Subcategory",
        "Width": 30,
        "Sequence": 11
    }
],
"FilterGroupId": 0,
"QsmQuery": false,
"ReportResults": {
    "@odata.id": "/api/ReportService/ReportDefs (3314)/ReportResults"
}
}
}

```

**Table 7. Attributes**

<b>Attribute name</b>	<b>Description</b>
Id	The identifier of the Report
Name	Name of the Report
Description	Report Description
IsBuiltIn	Details of Report if this is a Built-in or Custom report
LastEditedBy	Last time Report was edited
LastRunDate	Last time Report was run
LastRunBy	Who has run the Report last time
LastRunDuration	Duration of the Report run
QueryDef	This has information on the Filters and Context for this Report
ColumnNames	List of columns in the Report
FilterGroupId	ID of Filter Group in the Report

**POST**

**Description**

Create a Report

**Privilege**

REPORT\_MANAGEMENT

**HTTP Response Codes**

201

**POST Usage Examples**

```
Input:
{
  "Name": "Report test",
  "Description": "",
  "ColumnNames": [
    {
      "Width": 20,
      "Sequence": 0,
      "Name": "Device Name"
    },
    {
      "Width": 20,
      "Sequence": 1,
      "Name": "Device Model"
    },
    {
      "Width": 20,
      "Sequence": 2,
      "Name": "Device Service Tag"
    }
  ]
}
```

```

],
"FilterGroupId":64,
"QueryDefRequest":{
  "ContextId":5,
  "ResultFields":[
    {
      "FieldId":421
    },
    {
      "FieldId":423
    },
    {
      "FieldId":424
    }
  ],
  "SortFields":[
    {
      "FieldId":421,
      "SortDir":0
    }
  ]
}
]
}
}
Output:
12064

```

## PUT

### Description

Update a Report

### Privilege

REPORT\_MANAGEMENT

### HTTP Response Codes

200

### POST Usage Examples

```

Input:
{
  "Id":12164,
  "Name":"Report test-Edit",
  "Description":"",
  "ColumnNames":[
    {
      "Width":20,
      "Sequence":0,
      "Name":"Alert Message"
    },
    {
      "Width":20,
      "Sequence":1,
      "Name":"Alert Message ID"
    },
    {
      "Width":20,
      "Sequence":2,
      "Name":"Alert Severity"
    }
  ],
  "FilterGroupId":64,
  "QueryDefRequest":{
    "ContextId":5,

```

```
    "ResultFields": [
      {
        "FieldId": 689
      },
      {
        "FieldId": 692
      },
      {
        "FieldId": 691
      }
    ],
    "SortFields": [
    ]
  }
}
```

### 2.3.2 /api/ReportService/Actions/ReportService.RunReport

#### POST

#### Description

Run a Report

#### Privilege

REPORT\_RUN

#### HTTP Response Codes

200

#### POST Usage Examples

```
Input:
{
  "ReportDefId": 3264,
  "FilterGroupId": 0
}
Output:
19604
```

### 2.3.3 /api/ReportService/ReportDefs(Id)/ReportResults

#### GET

#### Description

Get Report Results

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

```
Input:
Output:
{
```

```

"@odata.context": "/api/$metadata#ReportService.ReportResult/$entity",
"@odata.id": "/api/ReportService/ReportDefs(2864)/ReportResults",
"Id": 2,
"Title": "Alert Counts per Device Report",
"TaskId": 19064,
"ResultRowColumns": [
  {
    "Id": 10,
    "Name": "Device Name",
    "Width": 30,
    "Sequence": 1
  },
  {
    "Id": 11,
    "Name": "Device Service Tag",
    "Width": 20,
    "Sequence": 2
  },
  {
    "Id": 12,
    "Name": "Device Type",
    "Width": 20,
    "Sequence": 3
  },
  {
    "Id": 13,
    "Name": "Device Model",
    "Width": 30,
    "Sequence": 4
  },
  {
    "Id": 14,
    "Name": "Critical",
    "Width": 20,
    "Sequence": 5
  },
  {
    "Id": 15,
    "Name": "Warning",
    "Width": 20,
    "Sequence": 6
  },
  {
    "Id": 16,
    "Name": "Normal",
    "Width": 20,
    "Sequence": 7
  },
  {
    "Id": 17,
    "Name": "Info",
    "Width": 20,
    "Sequence": 8
  },
  {
    "Id": 18,
    "Name": "Total",
    "Width": 20,
    "Sequence": 9
  }
],
"ResultRows": [
  {
    "@odata.id": "/api/ReportService/ReportDefs(2864)/ReportResults/ResultRows"
  }
]
}

```

## 2.3.4 /api/ReportService/ReportDefs(Id)/ReportResults/ResultRows

### GET

#### Description

Get Rows of Report Results

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Input:

Output:

```
{
  "@odata.context": "/api/$metadata#Collection(ReportService.ReportResultRow)",
  "@odata.count": 3,
  "value": [
    {
      "Values": [
        "WIN-73G6VUDEP8S",
        "",
        "SERVER",
        "PowerEdge FC430",
        "11",
        "0",
        "0",
        "0",
        "11"
      ]
    },
    {
      "Values": [
        "idrac-P1G5S03",
        "P1G5S03",
        "SERVER",
        "c6320",
        "10",
        "0",
        "0",
        "0",
        "10"
      ]
    },
    {
      "Values": [
        "WIN-27OF1GPRE6A",
        "3CGVX1",
        "SERVER",
        "PowerEdge R420",
        "8",
        "0",
        "0",
        "0",
        "8"
      ]
    }
  ]
}
```

### 2.3.5 /api/ReportService/Actions/ReportService.DeleteReports

#### POST

#### Description

Delete Reports

#### Privilege

REPORT\_MANAGEMENT

#### HTTP Response Codes

200

#### POST Usage Examples

```
Input :  
[19114]
```

### 2.3.6 /api/ReportService/Actions/ReportService.DownloadReport

#### POST

#### Description

Download Reports

#### Privilege

VIEW

#### HTTP Response Codes

200

#### POST Usage Examples

```
Input :  
{ "ReportDefId":2864, "Format":"csv" }  
  
Output :  
{  
  "FilePath": "/var/log/dell/omc/reports/Alert Counts per Device Report.csv"  
}
```

## Groups service

### 2.4.1 /api/GroupService/Groups

#### GET

#### Description

Get the groups

#### Privilege

VIEW

## HTTP Response Codes

200

## GET Usage Examples

Input:

Output:

```
{
  "@odata.context": "/api/$metadata#Collection(GroupService.Group)",
  "@odata.count": 1,
  "value": [
    {
      "@odata.id": "/api/GroupService/Groups(1214)",
      "Id": 1214,
      "Name": "Dell Networking Switches",
      "Description": "Dell network switches",
      "GlobalStatus": 5000,
      "ParentId": 1164,
      "CreationTime": "2017-11-15 23:39:54.251",
      "UpdateTime": "2017-11-17 20:55:00.200",
      "CreatedBy": "system",
      "UpdatedBy": "",
      "Visible": true,
      "DefinitionId": 7000,
      "DefinitionDescription": "Dell network switches",
      "TypeId": 2000,
      "MembershipTypeId": 24,
      "Devices": [
        {
          "@odata.id": "/api/GroupService/Groups(1214)/Devices"
        }
      ],
      "AllLeafDevices": [
        {
          "@odata.id": "/api/GroupService/Groups(1214)/AllLeafDevices"
        }
      ],
      "GroupHierarchy": [
        {
          "@odata.id": "/api/GroupService/Groups(1214)/GroupHierarchy"
        }
      ],
      "SubGroups": [
        {
          "@odata.id": "/api/GroupService/Groups(1214)/SubGroups"
        }
      ],
      "GroupDevicesSummary": [
        {
          "@odata.id": "/api/GroupService/Groups(1214)/GroupDevicesSummary"
        }
      ],
      "GroupQuery": [
        {
          "@odata.id": "/api/GroupService/Groups(1214)/GroupQuery"
        }
      ],
      "DeviceStatusSummary": [
        {
          "@odata.id": "/api/GroupService/Groups(1214)/DeviceStatusSummary"
        }
      ],
      "EventStatusSummary": [
        {
          "@odata.id": "/api/GroupService/Groups(1214)/EventStatusSummary"
        }
      ]
    }
  ]
}
```



```
    }  
  ]  
}]  
}
```

## 2.4.2 /api/GroupService/Groups(groupId)/DeviceStatusSummary

### GET

#### Description

Get Device Status counts per status value

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

```
Input:  
Output:  
{  
  "@odata.context": "/api/$metadata#Collection(GroupService.StatusSummary)",  
  "@odata.count": 4,  
  "value": [  
    {  
      "StatusType": 4000,  
      "Count": 15  
    },  
    {  
      "StatusType": 3000,  
      "Count": 2  
    },  
    {  
      "StatusType": 2000,  
      "Count": 30  
    },  
    {  
      "StatusType": 1000,  
      "Count": 12  
    }  
  ]  
}
```

## 2.4.3 /api/GroupService/Groups(groupId)/EventStatusSummary

### GET

#### Description

Get Event Status counts per status value

#### Privilege

VIEW

#### HTTP Response Codes

200

## GET Usage Examples

```
Input:
Output:
{
  "@odata.context": "/api/$metadata#Collection(GroupService.StatusSummary)",
  "@odata.count": 2,
  "value": [
    {
      "StatusType": 16,
      "Count": 184
    },
    {
      "StatusType": 8,
      "Count": 3
    }
  ]
}
```

### 2.4.4 /api/GroupService/GroupAudits

#### GET

#### Description

Get group and group hierarchy changes

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

```
Input:
Parameter for AuditDateTime - when present, get all changes starting from the time specified
otherwise get all changes (available). Time is in UTC - sample:
$filter=AuditDateTime eq '2017-11-29 19:17: 54'
Output:
{
  "@odata.context": "/api/$metadata#Collection(GroupService.GroupAudit)",
  "@odata.count": 36,
  "value": [
    {
      "@odata.id": "/api/GroupService/GroupAudits(61)",
      "AuditId": 61,
      "Id": 9114,
      "Name": "disc-226-10",
      "Description": "Discovery: disc-226-10",
      "GlobalStatus": 4000,
      "ParentId": 1764,
      "CreationTime": "2017-11-29 17:52:41.423",
      "UpdatedTime": "2017-11-29 20:25:00.373",
      "CreatedBy": "system",
      "UpdatedBy": "",
      "Visible": true,
      "DefinitionId": 9064,
      "DefinitionDescription": "Discovery: disc-226-10",
      "TypeId": 4000,
      "MembershipTypeId": 12,
      "GroupOperation": 1,
      "GroupHierarchyOperation": 1,
      "AuditDateTime": "2017-11-29 17:52:41.493296"
    }
  ]
}
```

```
    },
```

```
...
```

Where GroupOperation and GroupHierarchyOperation denote changes to the group or hierarchy with the following enumeration:

```
    Create: 1,  
    Update: 2,  
    Delete: 3,  
    No_op: 4
```

## 2.4.5 /api/GroupService/Actions/GroupService.CreateGroup

### POST

#### Description

Create a new group

#### Privilege

GROUP\_MANAGEMENT

#### HTTP Response Codes

200

#### POST Usage Examples

Input For static group:

```
{  
  "GroupModel":{  
    "Name":"Test Group",  
    "MembershipTypeId":12,  
    "ParentId":1914  
  }  
}
```

Input For dynamic group:

```
{  
  "GroupModel":  
  {  
    "Id": 0,  
    "Name": "test2",  
    "Description": "test2",  
    "GlobalStatus": 0,  
    "DefinitionId": 0,  
    "MembershipTypeId":24,  
    "ParentId": 1914  
  },  
  "GroupModelExtension":  
  {  
    "FilterId":1,  
    "ContextId":2,  
    "Conditions":  
    [{  
      "LogicalOperatorId":1,  
      "LeftParen": false,  
      "FieldId":9,  
      "OperatorId":1,  
      "Value":"2000",  
      "RightParen": false  
    }]  
  }  
}
```

Output:

```
19264
```

## 2.4.6 /api/GroupService/Actions/GroupService.UpdateGroup

## POST

### Description

Update a group

Privilege

GROUP\_MANAGEMENT

### HTTP Response Codes

200

### POST Usage Examples

Input for static group:

```
{
  "GroupModel":{
    "Name":"Test Group Edit",
    "Description":"",
    "MembershipTypeId":12,
    "ParentId":1914,
    "Id":19214
  }
}
```

Input for dynamic group:

```
{
  "GroupModel":
  {
    "Id": 23664,
    "Name": "test2b",
    "Description": "GroupTest2b",
    "GlobalStatus": 0,
    "DefinitionId": 0,
    "MembershipTypeId":24,
    "ParentId": 0
  },
  "GroupModelExtension":
  {
    "FilterId":1,
    "ContextId":2,
    "Conditions":
    [
      [
        {
          "LogicalOperatorId":1,
          "LeftParen": false,
          "FieldId":9,
          "OperatorId":1,
          "Value":"2000",
          "RightParen": false
        }
      ]
    ]
  }
}
```

Output:

19264

## 2.4.7 /api/GroupService/Actions/GroupService.Clone

## POST

### Description

Clone a group

## Privilege

GROUP\_MANAGEMENT

## HTTP Response Codes

200

## POST Usage Examples

```
Input:
{
  "Id":19164,
  "Name":"s1 Clone",
  "Description":"","
  "ParentId":1914
}
Output:
39564
```

### 2.4.8 /api/GroupService/Actions/GroupService.AddMemberDevices

## POST

### Description

Add devices to a group

## Privilege

GROUP\_MANAGEMENT

## HTTP Response Codes

204

## POST Usage Examples

```
Input:
{
  "GroupId": 8814,
  "MemberDeviceIds": [5064]
}
```

### 2.4.9 /api/GroupService/Actions/GroupService.RemoveMemberDevices

## POST

### Description

Remove device(s) from a group

## Privilege

GROUP\_MANAGEMENT

## HTTP Response Codes

204

## POST Usage Examples

```
Input:
{
  "GroupId":39564,
  "MemberDeviceIds": [
    4864
  ]
}
```

### 2.4.10 /api/GroupService/Actions/GroupService.AddUserToGroups

#### POST

##### Description

Add users to a group

##### Privilege

GROUP\_MANAGEMENT

##### HTTP Response Codes

204

## POST Usage Examples

```
Input:
{
  "UserId":39614,
  "GroupIds":[
    19214, 12641
  ]
}
```

### 2.4.11 /api/GroupService/Actions/GroupService.DeleteGroup

#### POST

##### Description

Delete a group

##### Privilege

GROUP\_MANAGEMENT

##### HTTP Response Codes

204

## POST Usage Examples

```
Input:
{
  "GroupIds": [
    39564
  ]
}
```

# Device service

## 2.5.1 /api/DeviceService/GlobalExcludes

### GET

#### Description

Get the Globally excluded ranges

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Input:

Output:

```
{
  "@odata.context": "/api/$metadata#Collection(DeviceService.GlobalExclude)",
  "@odata.count": 2,
  "value": [
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(1)",
      "Id": 1,
      "Identifier": "Exclude-2017112215225353",
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 1,
          "NetworkAddress": "10.35.0.0",
          "Subnet": null
        }
      ]
    },
    {
      "@odata.id": "/api/DeviceService/GlobalExcludes(2)",
      "Id": 2,
      "Identifier": "Exclude-2017112215233131",
      "DeviceType": 0,
      "GlobalExcludeDetails": [
        {
          "Id": 2,
          "NetworkAddress": "10.36.0.0-10.36.0.10",
          "Subnet": null
        }
      ]
    }
  ]
}
```

## 2.5.2 /api/DeviceService/GlobalExcludes

### POST

#### Description

Globally exclude devices

## Privilege

APPLIANCE\_SETUP

## HTTP Response Codes

201

## POST Usage Examples

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

### 2.5.3 /api/DeviceService/Actions/DeviceService.AddNetworkRange

## POST

### Description

Add ranges to Global Exclusion

## Privilege

APPLIANCE\_SETUP

## HTTP Response Codes

204

## POST Usage Examples

```
Input:
{
  "Id":0,
  "Identifier":"Exclude-2017112215475050",
  "DeviceType":0,
  "GlobalExcludeDetails":[
    {
      "Id":0,
      "NetworkAddress":"10.35.0.11"
    }
  ]
}
```

### 2.5.4 /api/DeviceService/Actions/DeviceService.EditNetworkRange

## POST

### Description

Edit ranges in Global Exclusion

## Privilege

APPLIANCE\_SETUP



## HTTP Response Codes

204

## POST Usage Examples

```
Input:
{
  "Id": 4,
  "Identifier": "IPRange2",
  "DeviceType": 0,
  "GlobalExcludeDetails": [
    {
      "Id": 0,
      "NetworkAddress": "10.37.0.101-10.37.0.255"
    }
  ]
}
```

### 2.5.5 /api/DeviceService/Actions/DeviceService.RemoveFromExclusion

#### POST

#### Description

Remove ranges in Global Exclusion

#### Privilege

APPLIANCE\_SETUP

## HTTP Response Codes

204

## POST Usage Examples

```
Input:
{"Ids": [1]}
```

### 2.5.6 /api/DeviceService/Actions/DeviceService.ValidateExcludes

#### POST

#### Description

Validate ranges for Global Exclusion

#### Privilege

APPLIANCE\_SETUP

## HTTP Response Codes

200

## POST Usage Examples : Valid Range

```
Input:
{
  "Id": 0,
  "Identifier": "Exclude-2017112215503232",
  "DeviceType": 0,
}
```

```

    "GlobalExcludeDetails": [
      {
        "Id": 0,
        "NetworkAddress": "10.35.0.0"
      }
    ]
  }
}
Output :
{
  "NetworkAddress": []
}
POST Usage Examples : Invalid Range
Input:
{
  "Id": 0,
  "Identifier": "Exclude-2017112215503232",
  "DeviceType": 0,
  "GlobalExcludeDetails": [
    {
      "Id": 0,
      "NetworkAddress": "10.35.0.*"
    }
  ]
}
Output :
{
  "NetworkAddress": [
    "10.35.0.*"
  ]
}

```

## QuerySupport service

2.6.1 /api/QuerySupportService/QueryContextSummaries

### GET

#### Description

Get summary information for all Query Contexts

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Output:

```

{
  "@odata.context": "/api/$metadata#Collection(QuerySupportService.QueryContextSummary)",
  "@odata.count": 5,
  "value": [
    {
      "@odata.id": "/api/QuerySupportService/QueryContextSummaries(1)",
      "Id": 1,
      "Name": "Jobs",
      "Description": null,
      "BaseCategoryId": 3
    },
    {
      "@odata.id": "/api/QuerySupportService/QueryContextSummaries(5)",

```

```

        "Id": 5,
        "Name": "Groups",
        "Description": null,
        "BaseCategoryId": 4
    },
    {
        "@odata.id": "/api/QuerySupportService/QueryContextSummaries(4)",
        "Id": 4,
        "Name": "Alerts",
        "Description": null,
        "BaseCategoryId": 2
    },
    {
        "@odata.id": "/api/QuerySupportService/QueryContextSummaries(2)",
        "Id": 2,
        "Name": "Devices",
        "Description": null,
        "BaseCategoryId": 1
    },
    {
        "@odata.id": "/api/QuerySupportService/QueryContextSummaries(3)",
        "Id": 3,
        "Name": "Servers",
        "Description": null,
        "BaseCategoryId": 1
    }
}
]
}

```

## 2.6.2 / api/QuerySupportService/QueryContexts(contextId)

### GET

#### Description

Get detailed information for a specified Query Context

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Output:

```

{
  "@odata.context": "/api/$metadata#QuerySupportService.QueryContext/$entity",
  "@odata.id": "/api/QuerySupportService/QueryContexts(1)",
  "Id": 1,
  "Name": "Jobs",
  "Description": null,
  "BaseCategoryId": 3,
  "Tables": [
    {
      "Id": 3,
      "Name": "Task Execution",
      "Description": null,
      "ParentTableId": 1
    },
    {
      "Id": 4,
      "Name": "Task Execution Detail",
      "Description": null,
      "ParentTableId": 3
    }
  ]
}

```

```

    },
    {
      "Id": 1,
      "Name": "Task",
      "Description": null,
      "ParentTableId": -1
    },
    {
      "Id": 2,
      "Name": "Task Type",
      "Description": null,
      "ParentTableId": 1
    }
  ],
  "Fields": [
    {
      "Id": 10,
      "Name": "Task Start Time",
      "TableId": 3,
      "Description": null,
      "FieldTypeId": 3,
      "StrMaxLen": 0,
      "EnumOpts": []
    },
    {
      "Id": 13,
      "Name": "Task Last Update Time",
      "TableId": 3,
      "Description": null,
      "FieldTypeId": 3,
      "StrMaxLen": 0,
      "EnumOpts": []
    },
    {
      "Id": 14,
      "Name": "Task Executed By",
      "TableId": 3,
      "Description": null,
      "FieldTypeId": 1,
      "StrMaxLen": 255,
      "EnumOpts": []
    },
    {
      "Id": 11,
      "Name": "Task End Time",
      "TableId": 3,
      "Description": null,
      "FieldTypeId": 3,
      "StrMaxLen": 0,
      "EnumOpts": []
    },
    {
      "Id": 12,
      "Name": "Task Status",
      "TableId": 3,
      "Description": null,
      "FieldTypeId": 4,
      "StrMaxLen": 0,
      "EnumOpts": [
        {
          "Id": 2020,
          "Name": "Scheduled"
        },
        {
          "Id": 2030,
          "Name": "Queued"
        },
        {
          "Id": 2040,

```

```

        "Name": "Starting"
    },
    {
        "Id": 2050,
        "Name": "Running"
    },
    {
        "Id": 2060,
        "Name": "Completed"
    },
    {
        "Id": 2070,
        "Name": "Failed"
    },
    {
        "Id": 2080,
        "Name": "New"
    },
    {
        "Id": 2090,
        "Name": "Warning"
    },
    {
        "Id": 2100,
        "Name": "Aborted"
    },
    {
        "Id": 2101,
        "Name": "Paused"
    },
    {
        "Id": 2102,
        "Name": "Stopped"
    },
    {
        "Id": 2103,
        "Name": "Canceled"
    }
    ]
},
{
    "Id": 15,
    "Name": "Task Detail Start Time",
    "TableId": 4,
    "Description": null,
    "FieldTypeId": 3,
    "StrMaxLen": 0,
    "EnumOpts": []
},
{
    "Id": 16,
    "Name": "Task Detail End Time",
    "TableId": 4,
    "Description": null,
    "FieldTypeId": 3,
    "StrMaxLen": 0,
    "EnumOpts": []
},
{
    "Id": 17,
    "Name": "Task Status",
    "TableId": 4,
    "Description": null,
    "FieldTypeId": 4,
    "StrMaxLen": 0,
    "EnumOpts": [
        {
            "Id": 2020,
            "Name": "Scheduled"
        }
    ]
}

```

```

    },
    {
      "Id": 2030,
      "Name": "Queued"
    },
    {
      "Id": 2040,
      "Name": "Starting"
    },
    {
      "Id": 2050,
      "Name": "Running"
    },
    {
      "Id": 2060,
      "Name": "Completed"
    },
    {
      "Id": 2070,
      "Name": "Failed"
    },
    {
      "Id": 2080,
      "Name": "New"
    },
    {
      "Id": 2090,
      "Name": "Warning"
    },
    {
      "Id": 2100,
      "Name": "Aborted"
    },
    {
      "Id": 2101,
      "Name": "Paused"
    },
    {
      "Id": 2102,
      "Name": "Stopped"
    },
    {
      "Id": 2103,
      "Name": "Canceled"
    }
  ]
},
{
  "Id": 18,
  "Name": "Task Detail Key",
  "TableId": 4,
  "Description": null,
  "FieldTypeId": 1,
  "StrMaxLen": 255,
  "EnumOpts": []
},
{
  "Id": 1,
  "Name": "Task Name",
  "TableId": 1,
  "Description": null,
  "FieldTypeId": 1,
  "StrMaxLen": 255,
  "EnumOpts": []
},
{
  "Id": 2,
  "Name": "Task Description",
  "TableId": 1,

```

```

    "Description": null,
    "FieldTypeId": 1,
    "StrMaxLen": 0,
    "EnumOpts": []
  },
  {
    "Id": 8,
    "Name": "Last Run Status",
    "TableId": 1,
    "Description": null,
    "FieldTypeId": 4,
    "StrMaxLen": 0,
    "EnumOpts": [
      {
        "Id": 2020,
        "Name": "Scheduled"
      },
      {
        "Id": 2030,
        "Name": "Queued"
      },
      {
        "Id": 2040,
        "Name": "Starting"
      },
      {
        "Id": 2050,
        "Name": "Running"
      },
      {
        "Id": 2060,
        "Name": "Completed"
      },
      {
        "Id": 2070,
        "Name": "Failed"
      },
      {
        "Id": 2080,
        "Name": "New"
      },
      {
        "Id": 2090,
        "Name": "Warning"
      },
      {
        "Id": 2100,
        "Name": "Aborted"
      },
      {
        "Id": 2101,
        "Name": "Paused"
      },
      {
        "Id": 2102,
        "Name": "Stopped"
      },
      {
        "Id": 2103,
        "Name": "Canceled"
      }
    ]
  },
  {
    "Id": 6,
    "Name": "Task Type",
    "TableId": 1,
    "Description": null,
    "FieldTypeId": 4,

```

```

"StrMaxLen": 0,
"EnumOpts": [
  {
    "Id": 14,
    "Name": "Single Update Report"
  },
  {
    "Id": 16,
    "Name": "Debug Logs"
  },
  {
    "Id": 17,
    "Name": "Membership Sync"
  },
  {
    "Id": 18,
    "Name": "Restore"
  },
  {
    "Id": 19,
    "Name": "Backup"
  },
  {
    "Id": 20,
    "Name": "Chassis Profile"
  },
  {
    "Id": 21,
    "Name": "App Sync"
  },
  {
    "Id": 22,
    "Name": "App Settings Task"
  },
  {
    "Id": 23,
    "Name": "Device Config"
  },
  {
    "Id": 24,
    "Name": "Onboarding Task"
  },
  {
    "Id": 25,
    "Name": "Password Rotation Task"
  },
  {
    "Id": 26,
    "Name": "ConfigDrift Monitor Task"
  },
  {
    "Id": 27,
    "Name": "Console Update Execution"
  },
  {
    "Id": 28,
    "Name": "Console Update"
  },
  {
    "Id": 1,
    "Name": "Alert Subscription"
  },
  {
    "Id": 2,
    "Name": "Compliance"
  },
  {
    "Id": 3,
    "Name": "Device Action"
  }
]

```



```

},
{
  "Id": 29,
  "Name": "Discovery"
},
{
  "Id": 4,
  "Name": "Update"
},
{
  "Id": 5,
  "Name": "Health"
},
{
  "Id": 6,
  "Name": "Internal Sync"
},
{
  "Id": 7,
  "Name": "Inventory"
},
{
  "Id": 8,
  "Name": "Listener Configuration"
},
{
  "Id": 9,
  "Name": "Monitor"
},
{
  "Id": 10,
  "Name": "Online Status"
},
{
  "Id": 11,
  "Name": "Real Time"
},
{
  "Id": 12,
  "Name": "Repository"
},
{
  "Id": 13,
  "Name": "Rollback Software"
},
{
  "Id": 15,
  "Name": "Subscription Poller"
},
{
  "Id": 30,
  "Name": "Diagnostic"
},
{
  "Id": 31,
  "Name": "Report"
},
{
  "Id": 32,
  "Name": "MobileSubscription Task"
},
{
  "Id": 33,
  "Name": "Purge"
},
{
  "Id": 34,
  "Name": "Device Config Purge Task"
},

```

```

    {
      "Id": 35,
      "Name": "Warranty"
    },
    {
      "Id": 36,
      "Name": "ConsoleUpdateEmail Task"
    }
  ]
},
{
  "Id": 3,
  "Name": "Task Next Run",
  "TableId": 1,
  "Description": null,
  "FieldTypeId": 3,
  "StrMaxLen": 0,
  "EnumOpts": []
},
{
  "Id": 4,
  "Name": "Task Last Run",
  "TableId": 1,
  "Description": null,
  "FieldTypeId": 3,
  "StrMaxLen": 0,
  "EnumOpts": []
},
{
  "Id": 7,
  "Name": "Scheduling",
  "TableId": 1,
  "Description": null,
  "FieldTypeId": 4,
  "StrMaxLen": 0,
  "EnumOpts": [
    {
      "Id": 2020,
      "Name": "Scheduled"
    },
    {
      "Id": 2030,
      "Name": "Queued"
    },
    {
      "Id": 2040,
      "Name": "Starting"
    },
    {
      "Id": 2050,
      "Name": "Running"
    },
    {
      "Id": 2060,
      "Name": "Completed"
    },
    {
      "Id": 2070,
      "Name": "Failed"
    },
    {
      "Id": 2080,
      "Name": "No Schedule"
    },
    {
      "Id": 2090,
      "Name": "Warning"
    }
  ]
}

```

```

        "Id": 2100,
        "Name": "Aborted"
    },
    {
        "Id": 2101,
        "Name": "Paused"
    },
    {
        "Id": 2102,
        "Name": "Stopped"
    },
    {
        "Id": 2103,
        "Name": "Canceled"
    }
]
},
{
    "Id": 5,
    "Name": "Task Enabled",
    "TableId": 1,
    "Description": null,
    "FieldTypeId": 5,
    "StrMaxLen": 0,
    "EnumOpts": []
},
{
    "Id": 9,
    "Name": "Internal",
    "TableId": 2,
    "Description": null,
    "FieldTypeId": 5,
    "StrMaxLen": 0,
    "EnumOpts": []
}
]
}

```

### 2.6.3 /api/QuerySupportService/OperatorInfo

#### GET

#### Description

Get a list of logical operators and which operators apply to each field type.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Output:

```

{
  "@odata.context": "/api/$metadata#QuerySupportService.OperatorInfo/$entity",
  "@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": null,
    "Name": "String",
    "OperatorIds": [
      1,
      2,
      3,
      4,
      5,
      6,
      11,
      12,
      7,
      8,
      9,
      10
    ]
  }
]

```

```

    },
    {
      "FieldTypeId": null,
      "Name": "Number",
      "OperatorIds": [
        1,
        2,
        3,
        4,
        5,
        6,
        9,
        10
      ]
    },
    {
      "FieldTypeId": null,
      "Name": "Date-Time",
      "OperatorIds": [
        1,
        2,
        13,
        14,
        9,
        10
      ]
    },
    {
      "FieldTypeId": null,
      "Name": "Enum",
      "OperatorIds": [
        1,
        2,
        9,
        10
      ]
    },
    {
      "FieldTypeId": null,
      "Name": "Boolean",
      "OperatorIds": [
        1,
        2,
        9,
        10
      ]
    }
  ]
}

```

## 2.6.4 /api/QuerySupportService/QueryContexts(contextId)/QuerySupportService.GetFiltersForContext

### POST

#### Description

Get summary information for all query filters.

#### Privilege

VIEW

#### HTTP Response Codes

200

## POST Usage Examples

Input:

```
{"contextId":2}
```

Output:

```
[
  {
    "Id": 15,
    "Name": "Dell Compellent Arrays",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
  {
    "Id": 12,
    "Name": "Dell iDRAC Servers",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
  {
    "Id": 9,
    "Name": "Dell Networking Switches",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
  {
    "Id": 10,
    "Name": "Fibre Channel Switches",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
  {
    "Id": 19,
    "Name": "HCI Appliances",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
  {
    "Id": 16,
    "Name": "Hypervisor Systems",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
  {
    "Id": 18,
    "Name": "Hyper-V Servers",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
  {
    "Id": 13,
    "Name": "Linux Servers",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
  {
    "Id": 3,
    "Name": "Modular Systems",
    "UsageId": 1,
    "FilterText": "",
    "ContextId": 2
  },
],
```

```

{
  "Id": 8,
  "Name": "Network Devices",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 24,
  "Name": "Non-Dell Servers",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 22,
  "Name": "OEM Servers",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 4,
  "Name": "PowerEdge Chassis",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 5,
  "Name": "PowerEdge FX2",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 6,
  "Name": "PowerEdge M1000e",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 7,
  "Name": "PowerEdge VRTX",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 11,
  "Name": "Servers",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 14,
  "Name": "Storage Devices",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
},
{
  "Id": 17,
  "Name": "VMware ESXi Servers",
  "UsageId": 1,
  "FilterText": "",
  "ContextId": 2
}

```

```

    },
    {
      "Id": 20,
      "Name": "VxRAIL",
      "UsageId": 1,
      "FilterText": "",
      "ContextId": 2
    },
    {
      "Id": 23,
      "Name": "Windows Servers",
      "UsageId": 1,
      "FilterText": "",
      "ContextId": 2
    },
    {
      "Id": 21,
      "Name": "XC",
      "UsageId": 1,
      "FilterText": "",
      "ContextId": 2
    }
  ]

```

## 2.6.5 /api/QuerySupportService/Filters(filterId)

### GET

#### Description

Get detailed information for a specific query filter.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### POST Usage Examples

Output:

```

{
  "@odata.context": "/api/$metadata#QuerySupportService.Filter/$entity",
  "@odata.id": "/api/QuerySupportService/Filters(15)",
  "Id": 15,
  "Name": "",
  "UsageId": 0,
  "FilterText": "",
  "ContextId": 2,
  "Conditions": [
    {
      "LogicalOperatorId": 0,
      "LeftParen": true,
      "FieldId": 42,
      "OperatorId": 1,
      "Value": "151",
      "RightParen": true
    }
  ]
}

```



# MIB import REST service

## 2.7.1 /api/MIBImportService/MIBS

### GET

#### Description

Get all the traps imported from various MIBs. It essentially lists all the traps with all the information.

Traps can be grouped together based on catalog name.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### Sample Json Output

```
{
  "@odata.context": "/api/$metadata#Collection(MIBImportService.GetTrapsPayload)",
  "@odata.count": 1894,
  "value": [
    {
      "EnterpriseOid": ".1.3.6.1.4.1.674.10892.1",
      "EventDefinition": {
        "Name": "alertBatteryNormal",
        "EventCategory": {
          "Id": 1000,
          "EventCategoryName": "System Health"
        },
        "EventCatalog": {
          "EventCatalogId": 1000,
          "Name": "OMSA",
          "ReleaseVersion": "7.4.0"
        },
        "EventSubCategory": null,
        "EventType": {
          "EventTypeId": 1001,
          "Name": "SNMP",
          "Description": "SNMP event"
        },
        "Severity": {
          "Id": 4,
          "Name": "Normal",
          "Description": "Normal"
        },
        "EventDefinitionId": -1228916117,
        "Description": "Battery has returned to normal."
      },
      "FormatString": "$3",
      "GenericTrapId": 6,
      "SnmpEventId": 1000,
      "SpecificTrapId": 1702
    }
  ]
}
```

## 2.7.2 /api/MIBImportService/Actions/MIBImportService.Save

### POST

## Description

Save parsed traps from MIB in the console. This URL provides functionality to save traps already parsed from the MIB.

## Privilege

TRAP\_MANAGEMENT

## HTTP Response Codes

200

Input

200

Sample Json Input

```
[{
  "EnterpriseOid": ".1.3.6.1.4.1.674.10892.1123123",
  "EventDefinition": {
    "EventCatalog": {
      "EventCatalogId": 1000,
      "Name": "MIB-Dell-108912",
      "ReleaseVersion": "7.4.0"
    },
    "EventCategory": {
      "Id": 1000,
      "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"
}]
```

Sample Json output

"SUCCESS"

## 2.7.3 /api/MIBImportService/Actions/MIBImportService.Parse

## POST

## Description

Parse MIB for getting trap information. This URL accepts absolute file paths of the MIB file that need to be parsed.

## Privilege

TRAP\_MANAGEMENT

## HTTP Response Codes

200

Sample Json Input

```
["/tmp/parseMib/10892.mib"]
```

Sample Json Output

```
{
  "ResponseMap": {
    "response": {
      "ErrorDescription": null,
      "MissingModules": [],
      "Success": true,
      "ParseDetails": ""
    },
    "trapList": [{
      "EnterpriseOid": ".1.3.6.1.4.1.318",
      "EventDefinition": {
        "EventCatalog": {
          "EventCatalogId": 0,
          "Name": "PowerNet-MIB",
          "ReleaseVersion": null
        },
        "EventCategory": {
          "Id": 1000,
          "EventCategoryName": "System Health"
        },
        "EventDefinitionId": 0,
        "EventSubCategory": null,
        "EventType": {
          "EventTypeId": 1001,
          "Name": "SNMP",
          "Description": "SNMP event"
        },
        "Name": "apcUserScheduleViolationCleared",
        "Description": "INFORMATIONAL: User schedule violation has been cleared."
      },
      "Severity": {
        "Description": "Info",
        "Name": "Info",
        "Id": 2
      },
      "FormatString": "User schedule violation cleared.",
      "GenericTrapId": 6,
      "Snmpeventid": 0,
      "SpecificTrapId": 695,
      "Snmpeventstatus": "NEW"
    }
  ]
}
```

## 2.7.4 /api/MIBImportService/Actions/MIBImportService.Delete

POST

## Description

Delete MIB and corresponding traps from the system.

## Privilege

TRAP\_MANAGEMENT

## HTTP Response Codes

200

```
Sample Json Input
[1050]
```

```
Sample Json Output
Blank Response
HTTP HEADER - 200 Ok
```

## 2.7.5 /api/MIBImportService/MIBImportService/EventSeverities

GET

GET Event Severities

## Privilege

VIEW

## HTTP Response Codes

200

```
Sample Json Output
{
  "@odata.context": "/api/$metadata#Collection(MIBImportService.MIBEventSeverity)",
  "@odata.count": 5,
  "value": [{
    "@odata.id": "/api/MIBImportService/EventSeverities(1)",
    "Id": 1,
    "Name": "Unknown",
    "Description": "Unknown"
  }
]
```

## 2.7.6 /api/MIBImportService/MIBImportService/EventCatalogs

GET

GET Event Catalogs

## Privilege

VIEW

## HTTP Response Codes

200

```
Sample Json Output
{
  "@odata.context": "/api/$metadata#Collection(MIBImportService.MIBEventCatalog)",
  "@odata.count": 46,
```

```

"value": [{
  "@odata.id": "/api/MIBImportService/EventCatalogs(1001)",
  "BuiltIn": true,
  "EventCatalogId": 1001,
  "CatalogName": "iDRAC",
  "InternalName": "IDRAC-MIB-SMIV2",
  "ReleaseVersion": "v3.3"
}]
}

```

## 2.7.7 /api/MIBImportService/MIBImportService/EventCategories

GET

GET Event Categories

### Privilege

VIEW

### HTTP Response Codes

200

Sample Json Output

```

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

```

# Troubleshoot service

## 2.8.1 /api/JobService/Jobs

POST

### Description

Create a TSR/Diagnostic job.

### Privilege

JOB\_MANAGEMENT, DEVICE\_CONFIGURATION

### HTTP Response Codes

200

**POST Usage Examples** : Create a TSR Job

Input:

```

{
  "Id": 0,
  "JobName": "tsr0",
  "JobDescription": "tsr",
  "Schedule": "startnow",
  "State": "Enabled",
  "JobType": {

```

```

    "Id":27,
    "Name":"Diagnostic_Task"
  },
  "Params":[
    {
      "Key":"deviceTypes",
      "Value":"1000"
    },
    {
      "Key":"operationName",
      "Value":"SERVER_EXECUTE_TSR"
    },
    {
      "Key":"fileName",
      "Value":"tsrAmitHarWareData0"
    },
    {
      "Key":"OPERATION_NAME",
      "Value":"SERVER_EXECUTE_TSR"
    },
    {
      "Key":"ShareType",
      "Value":"2"
    },
    {
      "Key":"DataSelectorArrayIn",
      "Value":"[3]"
    },
    {
      "Key":"ScheduledStartTime",
      "Value":"TIME_NOW"
    }
  ],
  "Targets":[
    {
      "Id":4214,
      "Data":"",
      "TargetType":{
        "Id":4214,
        "Name":"SERVER"
      }
    }
  ]
}

```

Output:

```

{
  "Id":12214,
  "JobName":"tsr0",
  "JobDescription":"tsr",
  "NextRun":null,
  "LastRun":null,
  "StartTime":null,
  "EndTime":null,
  "Schedule":"startnow",
  "State":"Enabled",
  "CreatedBy":"admin",
  "UpdatedBy":null,
  "LastRunStatus":{
    "Id":2200,
    "Name":"NotRun"
  },
  "JobType":{
    "Id":27,
    "Name":"Diagnostic_Task",
    "Internal":false
  },
  "JobStatus":{
    "Id":2080,
    "Name":"New"
  }
}

```

```

},
"Targets":[
  {
    "JobId":12214,
    "Id":4214,
    "Data":"",
    "TargetType":{
      "Id":1000,
      "Name":"DEVICE"
    }
  }
],
"Params":[
  {
    "JobId":12214,
    "Key":"ScheduledStartTime",
    "Value":"TIME_NOW"
  },
  {
    "JobId":12214,
    "Key":"DataSelectorArrayIn",
    "Value":"[3]"
  },
  {
    "JobId":12214,
    "Key":"ShareType",
    "Value":"2"
  },
  {
    "JobId":12214,
    "Key":"OPERATION_NAME",
    "Value":"SERVER_EXECUTE_TSR"
  },
  {
    "JobId":12214,
    "Key":"fileName",
    "Value":"tsrAmitHarWareData0"
  },
  {
    "JobId":12214,
    "Key":"operationName",
    "Value":"SERVER_EXECUTE_TSR"
  },
  {
    "JobId":12214,
    "Key":"deviceTypes",
    "Value":"1000"
  }
],
"Visible":true,
"Editable":true,
"Builtin":false
}

```

POST Usage Examples : Create a Diagnostic Job

Input:

```

{
  "Id":0,
  "JobName":"DiagnosticTest",
  "JobDescription":"DiagnosticTest",
  "Schedule":"startnow",
  "State":"Enabled",
  "JobType":{
    "Id":27,
    "Name":"Diagnostic_Task"
  },
  "Params":[
    {
      "Key":"deviceTypes",

```

```

    "Value": "1000"
  },
  {
    "Key": "fileName",
    "Value": "FinalTest"
  },
  {
    "Key": "operationName",
    "Value": "SERVER_DIAGNOSTIC"
  },
  {
    "Key": "OPERATION_NAME",
    "Value": "SERVER_DIAGNOSTIC"
  },
  {
    "Key": "ShareType",
    "Value": "2"
  },
  {
    "Key": "RunMode",
    "Value": "0"
  },
  {
    "Key": "RebootJobType",
    "Value": "2"
  },
  {
    "Key": "ScheduledStartTime",
    "Value": "TIME_NOW"
  }
],
"Targets": [
  {
    "Id": 4214,
    "Data": "",
    "TargetType": {
      "Id": 4214,
      "Name": "SERVER"
    }
  }
]
}

```

Output:

```

{
  "Id": 12314,
  "JobName": "DiagnosticTest",
  "JobDescription": "DiagnosticTest",
  "NextRun": null,
  "LastRun": null,
  "StartTime": null,
  "EndTime": null,
  "Schedule": "startnow",
  "State": "Enabled",
  "CreatedBy": "admin",
  "UpdatedBy": null,
  "LastRunStatus": {
    "Id": 2200,
    "Name": "NotRun"
  },
  "JobType": {
    "Id": 27,
    "Name": "Diagnostic_Task",
    "Internal": false
  },
  "JobStatus": {
    "Id": 2080,
    "Name": "New"
  }
},

```



```

"Targets":[
  {
    "JobId":12314,
    "Id":4214,
    "Data":"",
    "TargetType":{
      "Id":1000,
      "Name":"DEVICE"
    }
  }
],
"Params":[
  {
    "JobId":12314,
    "Key":"ScheduledStartTime",
    "Value":"TIME_NOW"
  },
  {
    "JobId":12314,
    "Key":"RebootJobType",
    "Value":"2"
  },
  {
    "JobId":12314,
    "Key":"RunMode",
    "Value":"0"
  },
  {
    "JobId":12314,
    "Key":"ShareType",
    "Value":"2"
  },
  {
    "JobId":12314,
    "Key":"OPERATION_NAME",
    "Value":"SERVER_DIAGNOSTIC"
  },
  {
    "JobId":12314,
    "Key":"operationName",
    "Value":"SERVER_DIAGNOSTIC"
  },
  {
    "JobId":12314,
    "Key":"fileName",
    "Value":"FinalTest"
  },
  {
    "JobId":12314,
    "Key":"deviceTypes",
    "Value":"1000"
  }
],
"Visible":true,
"Editable":true,
"Builtin":false
}

```

## 2.8.2 / api/TroubleshootService/Files

### GET

#### Description

Get the Diagnostics/TSR output files.

#### Privilege

VIEW

## HTTP Response Codes

200

Filters:

**Table 8. Filters**

Filter name	Description
DeviceId	Device ID of the output file.
DeviceOperation	'SERVER_DIAGNOSTIC' to get diagnostic files. 'SERVER_EXECUTE_TSR' to get TSR files.

Output

```
{
  "@odata.context": "/api/$metadata#Collection(TroubleshootService.FileResponseModel)",
  "@odata.count": 2,
  "value": [
    {
      "DeviceId": 4214,
      "DeviceOperation": "SERVER_EXECUTE_TSR",
      "JobId": 0,
      "FileName": "testAmit.zip",
      "FilePath": "/shared/dell/omc/cifs/idrac/1234567/SERVER_EXECUTE_TSR/testAmit/
testAmit.zip"
    },
    {
      "DeviceId": 4214,
      "DeviceOperation": "SERVER_EXECUTE_TSR",
      "JobId": 0,
      "FileName": "tsrAmitHarWareData0.zip",
      "FilePath": "/shared/dell/omc/cifs/idrac/1234567/SERVER_EXECUTE_TSR/tsrAmitHarWareData0/
tsrAmitHarWareData0.zip"
    }
  ]
}
```

### 2.8.3 /api/TroubleshootService/Actions/TroubleshootService.GetTroubleshootDocument

**POST**

#### Description

Extract Diagnostics/TSR report.

#### Privilege

JOB\_MANAGEMENT, DEVICE\_CONFIGURATION

#### HTTP Response Codes

200

**POST Usage Examples** : Create a TSR Job

Input :

```
{
  "DeviceId": 4214,
  "DeviceOperation": "SERVER_EXECUTE_TSR",
```

```
"JobId":-1,
"FilePath":"/shared/dell/omc/cifs/idrac/1234567/SERVER_EXECUTE_TSR/testAmit/testAmit.zip"
}
```

Output:  
Is a File Object not in a user readable format.

# Template service

## 2.9.1 /api/TemplateService/TemplateTypes

### GET

#### Description

Get the template types.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

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

## 2.9.2 /api/TemplateService/TemplateViewTypes

### GET

## Description

Get the template view types.

## Privilege

VIEW

## HTTP Response Codes

200

## GET Usage Examples

Output:

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

### 2.9.3 /api/TemplateService/Templates

## GET

## Description

Get the templates.

## Privilege

VIEW

## HTTP Response Codes

200

## GET Usage Examples

Output:

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

```

    "LastUpdatedTime": "2017-11-30 19:02:11.200378",
    "Views": [
      {
        "@odata.id": "/api/TemplateService/Templates(3)/Views"
      }
    ]
  },
  {
    "@odata.id": "/api/TemplateService/Templates(4)",
    "Id": 4,
    "Name": "iDRAC 14G Enable Power profile for Virtualization",
    "Description": "Tune workload for Power Optimized Virtualization",
    "SourceDeviceId": 0,
    "TypeId": 2,
    "ViewTypeId": 4,
    "TaskId": 0,
    "HasIdentityAttributes": false,
    "Status": 0,
    "IdentityPoolId": 0,
    "IsBuiltIn": true,
    "CreatedBy": "system",
    "CreationTime": "2017-11-30 19:02:11.200378",
    "LastUpdatedBy": null,
    "LastUpdatedTime": "2017-11-30 19:02:11.200378",
    "Views": [
      {
        "@odata.id": "/api/TemplateService/Templates(4)/Views"
      }
    ]
  },
  {
    "@odata.id": "/api/TemplateService/Templates(5)",
    "Id": 5,
    "Name": "iDRAC 14G Enable Performance Profile for Database",
    "Description": "Tune workload for Performance Optimized Database",
    "SourceDeviceId": 0,
    "TypeId": 2,
    "ViewTypeId": 4,
    "TaskId": 0,
    "HasIdentityAttributes": false,
    "Status": 0,
    "IdentityPoolId": 0,
    "IsBuiltIn": true,
    "CreatedBy": "system",
    "CreationTime": "2017-11-30 19:02:11.200378",
    "LastUpdatedBy": null,
    "LastUpdatedTime": "2017-11-30 19:02:11.200378",
    "Views": [
      {
        "@odata.id": "/api/TemplateService/Templates(5)/Views"
      }
    ]
  },
  {
    "@odata.id": "/api/TemplateService/Templates(6)",
    "Id": 6,
    "Name": "iDRAC 14G Enable Power Profile for Database",
    "Description": "Tune workload for Power Optimized Database ",
    "SourceDeviceId": 0,
    "TypeId": 2,
    "ViewTypeId": 4,
    "TaskId": 0,
    "HasIdentityAttributes": false,
    "Status": 0,
    "IdentityPoolId": 0,
    "IsBuiltIn": true,
    "CreatedBy": "system",
    "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",
    "LastUpdatedBy": null,
    "LastUpdatedTime": "2017-11-30 19:02:11.200378",
    "Views": [
      {
        "@odata.id": "/api/TemplateService/Templates(7)/Views"
      }
    ]
  },
  {
    "@odata.id": "/api/TemplateService/Templates(8)",
    "Id": 8,
    "Name": "iDRAC 14G Enable Power Profile for Software Defined Storage",
    "Description": "Tune workload for Power Optimized Software Defined Storage ",
    "SourceDeviceId": 0,
    "TypeId": 2,
    "ViewTypeId": 4,
    "TaskId": 0,
    "HasIdentityAttributes": false,
    "Status": 0,
    "IdentityPoolId": 0,
    "IsBuiltIn": true,
    "CreatedBy": "system",
    "CreationTime": "2017-11-30 19:02:11.200378",
    "LastUpdatedBy": null,
    "LastUpdatedTime": "2017-11-30 19:02:11.200378",
    "Views": [
      {
        "@odata.id": "/api/TemplateService/Templates(8)/Views"
      }
    ]
  }
]
}

```

## POST

### Description

Create a template.

### Privilege

DEVICE\_CONFIGURATION

### HTTP Response Codes

**POST Usage Examples:** Create a template

```

Input:
{
  "Name": "Test Create",
  "TypeId": 2,
  "ViewTypeId": 2,
  "SourceDeviceId": 5514,
  "Fqdds": "idrac,system,nic,lifecycleController,eventFilters"
}

Output:
ID of template.

```

**2.9.4/api/TemplateService/Templates(templateId)****GET****Description**

Get a template by TemplateID.

**Privilege**

VIEW

**HTTP Response Codes**

200

**GET Usage Examples**

```

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

```

**PUT****Description**



Update a template.

### Privilege

DEVICE\_CONFIGURATION

### HTTP Response Codes

200

**PUT Usage Examples:** Update a template

Input:

```
{
  "Id": 17,
  "Name": "Test Create Renamed"
}
```

Output:

ID of template.

**PUT Usage Examples:** Update a compliance template attributes

Input:

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

Output:

ID of template.

## DELETE

### Description

Delete a template.

### Privilege

DEVICE\_CONFIGURATION

### HTTP Response Codes

204

## 2.9.5/api/TemplateService/Templates(templateId)/Views

### GET

### Description

Get a template's views by TemplateID.

### Privilege

VIEW

### HTTP Response Codes

**GET Usage Examples**

Output:

```

{
  "@odata.context": "/api/$metadata#Collection(TemplateService.AttributeView)",
  "@odata.count": 3,
  "value": [
    {
      "@odata.id": "/api/TemplateService/Templates(10)/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(10)/Views(1)/AttributeViewDetails"
      },
      "DeviceAttributeViewDetails": [
        {
          "@odata.id": "/api/TemplateService/Templates(10)/Views(1)/
DeviceAttributeViewDetails"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(10)/Views(4)",
      "Id": 4,
      "Name": "NetworkSpecific",
      "Description": "The hierarchy consists of network related component classes,
groups (from the attribute registry) and attributes.",
      "AttributeViewDetails": {
        "@odata.id": "/api/TemplateService/Templates(10)/Views(4)/AttributeViewDetails"
      },
      "DeviceAttributeViewDetails": [
        {
          "@odata.id": "/api/TemplateService/Templates(10)/Views(4)/
DeviceAttributeViewDetails"
        }
      ]
    },
    {
      "@odata.id": "/api/TemplateService/Templates(10)/Views(6)",
      "Id": 6,
      "Name": "DeviceInventorySpecific",
      "Description": "The hierarchy consists of device inventory related component
classes, groups.",
      "AttributeViewDetails": {
        "@odata.id": "/api/TemplateService/Templates(10)/Views(6)/AttributeViewDetails"
      },
      "DeviceAttributeViewDetails": [
        {
          "@odata.id": "/api/TemplateService/Templates(10)/Views(6)/
DeviceAttributeViewDetails"
        }
      ]
    }
  ]
}

```

/api/TemplateService/Templates(templatelD)/Views(idView)

**GET****Description**

Get a template's view details by TemplateID and ViewID.

## Privilege

VIEW

## HTTP Response Codes

200

## GET Usage Examples

Input:

Output:

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

## 2.9.7 /api/TemplateService/Templates(templateId)/Views(idView)/AttributeViewDetails

### GET

#### Description

Get a template view's attribute details by TemplateID and ViewID.

#### Privilege

VIEW

## HTTP Response Codes

200

## GET Usage Examples

Output:

```
{
  "@odata.context": "/api/$metadata#TemplateService.AttributeViewDetail/$entity",
  "@odata.id": "/api/TemplateService/Templates(11)/Views(1)/AttributeViewDetails",
  "Id": 1,
  "Name": "TemplateSpecific",
  "Description": "The hierarchy consists of template specific component classes, groups (from the attribute registry) and attributes.",
  "AttributeGroupNames": [],
  "AttributeGroups": [
    {
      "GroupNameId": 4,
      "DisplayName": "LifecycleController",
      "SubAttributeGroups": [
        {
          "GroupNameId": 410,
          "DisplayName": "Lifecycle Controller Attributes",
        }
      ]
    }
  ]
}
```

```

"SubAttributeGroups": [],
"Attributes": [
  {
    "AttributeId": 3562,
    "CustomId": 0,
    "AttributeEditInfoId": 1857,
    "DisplayName": "LCAttributes 1 VirtualAddressManagementApplication",
    "Description": null,
    "Value": null,
    "IsReadOnly": false,
    "IsIgnored": false
  },
  {
    "AttributeId": 3561,
    "CustomId": 0,
    "AttributeEditInfoId": 1856,
    "DisplayName": "LCAttributes 1 VirtualAddressManagement",
    "Description": null,
    "Value": "Console",
    "IsReadOnly": false,
    "IsIgnored": false
  },
  {
    "AttributeId": 3563,
    "CustomId": 0,
    "AttributeEditInfoId": 1858,
    "DisplayName": "LCAttributes 1 Provisioning Server",
    "Description": null,
    "Value": null,
    "IsReadOnly": false,
    "IsIgnored": false
  },
  {
    "AttributeId": 3559,
    "CustomId": 0,
    "AttributeEditInfoId": 1644,
    "DisplayName": "LCAttributes 1 Part Firmware Update",
    "Description": null,
    "Value": "Match firmware of replaced part",
    "IsReadOnly": false,
    "IsIgnored": false
  },
  {
    "AttributeId": 3558,
    "CustomId": 0,
    "AttributeEditInfoId": 1643,
    "DisplayName": "LCAttributes 1 Part Configuration Update",
    "Description": null,
    "Value": "Apply always",
    "IsReadOnly": false,
    "IsIgnored": false
  },
  {
    "AttributeId": 3567,
    "CustomId": 0,
    "AttributeEditInfoId": 1804,
    "DisplayName": "LCAttributes 1 Lifecycle Controller State",
    "Description": null,
    "Value": "Enabled",
    "IsReadOnly": false,
    "IsIgnored": true
  },
  {
    "AttributeId": 3560,
    "CustomId": 0,
    "AttributeEditInfoId": 1855,
    "DisplayName": "LCAttributes 1 IPChangeNotifyPS",
    "Description": null,
    "Value": "Off",

```

```

        "IsReadOnly": false,
        "IsIgnored": false
    },
    {
        "AttributeId": 3557,
        "CustomId": 0,
        "AttributeEditInfoId": 1642,
        "DisplayName": "LCAttributes 1 Collect System Inventory on Restart",
        "Description": null,
        "Value": "Enabled",
        "IsReadOnly": false,
        "IsIgnored": false
    },
    {
        "AttributeId": 3564,
        "CustomId": 0,
        "AttributeEditInfoId": 1859,
        "DisplayName": "LCAttributes 1 BIOS Reset To Defaults Requested",
        "Description": null,
        "Value": "False",
        "IsReadOnly": false,
        "IsIgnored": false
    },
    {
        "AttributeId": 3565,
        "CustomId": 0,
        "AttributeEditInfoId": 1860,
        "DisplayName": "LCAttributes 1 Automatic Update Feature",
        "Description": null,
        "Value": "Disabled",
        "IsReadOnly": false,
        "IsIgnored": false
    },
    {
        "AttributeId": 3566,
        "CustomId": 0,
        "AttributeEditInfoId": 1861,
        "DisplayName": "LCAttributes 1 Automatic Backup Feature",
        "Description": null,
        "Value": "Disabled",
        "IsReadOnly": false,
        "IsIgnored": false
    }
    ]
    },
    "Attributes": []
},
"TemplateEditInfoDetails": {
    "@odata.id": "/api/TemplateService/Templates(11)/Views(1)/AttributeViewDetails/TemplateEditInfoDetails"
}
}

```

## 2.9.8 /api/TemplateService/Templates(templateId)/Views(idView)/AttributeViewDetails/TemplateEditInfo

### GET

#### Description

Get a template view's template edit attribute details by TemplateID and ViewID.

#### Privilege

VIEW

## HTTP Response Codes

200

### GET Usage Examples

Output:

```
{
  "@odata.context": "/api/$metadata#TemplateService.TemplateEditInfo/$entity",
  "@odata.id": "/api/TemplateService/Templates(11)/Views(1)/AttributeViewDetails/
TemplateEditInfoDetails",
  "Id": 1,
  "AttributeOptionSets": [
    {
      "Id": 2,
      "OptionId": [
        579,
        580,
        581
      ]
    },
    {
      "Id": 3,
      "OptionId": [
        562,
        563
      ]
    }
  ],
  .....
  {
    "Id": 2874,
    "DataType": 18,
    "Description": "Specify the iSCSI Qualified Name (IQN) of the eighth iSCSI storage
target.",
    "IsReadOnly": false,
    "IsSecure": false,
    "TextMinLength": 0,
    "TextMaxLength": 223,
    "ValueMin": 0,
    "ValueMax": 0,
    "DependencyText": null,
    "OptionSetId": 0,
    "DefaultOptionId": 0
  },
  {
    "Id": 2875,
    "DataType": 18,
    "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
  },
  .....
  {
    "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
    }
]
}

```

### 2.9.9 /api/TemplateService/Templates(tempalteld)/Views(idView)/DeviceAttributeViewDetails(deviceId)

#### GET

#### Description

Get a template view's device attribute details (device specific attributes) by TemplateID, ViewID and DeviceID.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Output:

```

{
  "@odata.context": "/api/$metadata#TemplateService.AttributeViewDetail/$entity",
  "@odata.id": "/api/TemplateService/Templates(10)/Views(4)/DeviceAttributeViewDetails(0)",
  "Id": 4,
  "Name": "NetworkSpecific",
  "Description": "The hierarchy consists of network related component classes, groups (from the attribute registry) and attributes.",
}

```

```

"AttributeGroupNames": [],
"AttributeGroups": [
  {
    "GroupNameId": 1001,
    "DisplayName": "NICModel",
    "SubAttributeGroups": [
      {
        "GroupNameId": 1,
        "DisplayName": "Integrated NIC 1",
        "SubAttributeGroups": [
          {
            "GroupNameId": 1,
            "DisplayName": "Port ",
            "SubAttributeGroups": [
              {
                "GroupNameId": 1,
                "DisplayName": "Partition ",
                "SubAttributeGroups": [],
                "Attributes": [
                  {
                    "AttributeId": 3297,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2969,
                    "DisplayName": "Partition n Minimum TX Bandwidth",
                    "Description": null,
                    "Value": "20",
                    "IsReadOnly": false,
                    "IsIgnored": false
                  },
                  {
                    "AttributeId": 3298,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2968,
                    "DisplayName": "Partition n Maximum TX Bandwidth",
                    "Description": null,
                    "Value": "100",
                    "IsReadOnly": false,
                    "IsIgnored": false
                  },
                  {
                    "AttributeId": 0,
                    "CustomId": 43,
                    "AttributeEditInfoId": 0,
                    "DisplayName": "Vlan Tagged",
                    "Description": null,
                    "Value": null,
                    "IsReadOnly": false,
                    "IsIgnored": false
                  },
                  {
                    "AttributeId": 0,
                    "CustomId": 43,
                    "AttributeEditInfoId": 0,
                    "DisplayName": "Vlan UnTagged",
                    "Description": null,
                    "Value": "0",
                    "IsReadOnly": false,
                    "IsIgnored": false
                  }
                ]
              }
            ]
          },
          {
            "Attributes": []
          },
          {
            "GroupNameId": 1,
            "DisplayName": "Port ",
            "SubAttributeGroups": [

```



```

        "GroupNameId": 2,
        "DisplayName": "Partition ",
        "SubAttributeGroups": [],
        "Attributes": [
            {
                "AttributeId": 3350,
                "CustomId": 0,
                "AttributeEditInfoId": 2969,
                "DisplayName": "Partition n Minimum TX Bandwidth",
                "Description": null,
                "Value": "30",
                "IsReadOnly": false,
                "IsIgnored": false
            },
            {
                "AttributeId": 3351,
                "CustomId": 0,
                "AttributeEditInfoId": 2968,
                "DisplayName": "Partition n Maximum TX Bandwidth",
                "Description": null,
                "Value": "100",
                "IsReadOnly": false,
                "IsIgnored": false
            }
        ]
    },
    "Attributes": []
},
{
    "GroupNameId": 1,
    "DisplayName": "Port ",
    "SubAttributeGroups": [
        {
            "GroupNameId": 3,
            "DisplayName": "Partition ",
            "SubAttributeGroups": [],
            "Attributes": [
                {
                    "AttributeId": 3369,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2969,
                    "DisplayName": "Partition n Minimum TX Bandwidth",
                    "Description": null,
                    "Value": "20",
                    "IsReadOnly": false,
                    "IsIgnored": false
                },
                {
                    "AttributeId": 3370,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2968,
                    "DisplayName": "Partition n Maximum TX Bandwidth",
                    "Description": null,
                    "Value": "100",
                    "IsReadOnly": false,
                    "IsIgnored": false
                }
            ]
        }
    ],
    "Attributes": []
},
{
    "GroupNameId": 1,
    "DisplayName": "Port ",
    "SubAttributeGroups": [
        {
            "GroupNameId": 4,

```

```

        "DisplayName": "Partition ",
        "SubAttributeGroups": [],
        "Attributes": [
            {
                "AttributeId": 3388,
                "CustomId": 0,
                "AttributeEditInfoId": 2969,
                "DisplayName": "Partition n Minimum TX Bandwidth",
                "Description": null,
                "Value": "30",
                "IsReadOnly": false,
                "IsIgnored": false
            },
            {
                "AttributeId": 3389,
                "CustomId": 0,
                "AttributeEditInfoId": 2968,
                "DisplayName": "Partition n Maximum TX Bandwidth",
                "Description": null,
                "Value": "100",
                "IsReadOnly": false,
                "IsIgnored": false
            }
        ]
    },
    "Attributes": []
},
{
    "GroupNameId": 2,
    "DisplayName": "Port ",
    "SubAttributeGroups": [
        {
            "GroupNameId": 1,
            "DisplayName": "Partition ",
            "SubAttributeGroups": [],
            "Attributes": [
                {
                    "AttributeId": 3431,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2969,
                    "DisplayName": "Partition n Minimum TX Bandwidth",
                    "Description": null,
                    "Value": "20",
                    "IsReadOnly": false,
                    "IsIgnored": false
                },
                {
                    "AttributeId": 3432,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2968,
                    "DisplayName": "Partition n Maximum TX Bandwidth",
                    "Description": null,
                    "Value": "100",
                    "IsReadOnly": false,
                    "IsIgnored": false
                }
            ],
            {
                "AttributeId": 0,
                "CustomId": 47,
                "AttributeEditInfoId": 0,
                "DisplayName": "Vlan Tagged",
                "Description": null,
                "Value": null,
                "IsReadOnly": false,
                "IsIgnored": false
            }
        },
        {
            "AttributeId": 0,

```

```

        "CustomId": 47,
        "AttributeEditInfoId": 0,
        "DisplayName": "Vlan UnTagged",
        "Description": null,
        "Value": "0",
        "IsReadOnly": false,
        "IsIgnored": false
    }
}
],
"Attributes": []
},
{
    "GroupNameId": 2,
    "DisplayName": "Port ",
    "SubAttributeGroups": [
        {
            "GroupNameId": 2,
            "DisplayName": "Partition ",
            "SubAttributeGroups": [],
            "Attributes": [
                {
                    "AttributeId": 3484,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2969,
                    "DisplayName": "Partition n Minimum TX Bandwidth",
                    "Description": null,
                    "Value": "30",
                    "IsReadOnly": false,
                    "IsIgnored": false
                },
                {
                    "AttributeId": 3485,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2968,
                    "DisplayName": "Partition n Maximum TX Bandwidth",
                    "Description": null,
                    "Value": "100",
                    "IsReadOnly": false,
                    "IsIgnored": false
                }
            ]
        }
    ]
},
"Attributes": []
},
{
    "GroupNameId": 2,
    "DisplayName": "Port ",
    "SubAttributeGroups": [
        {
            "GroupNameId": 3,
            "DisplayName": "Partition ",
            "SubAttributeGroups": [],
            "Attributes": [
                {
                    "AttributeId": 3503,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2969,
                    "DisplayName": "Partition n Minimum TX Bandwidth",
                    "Description": null,
                    "Value": "20",
                    "IsReadOnly": false,
                    "IsIgnored": false
                },
                {
                    "AttributeId": 3504,
                    "CustomId": 0,

```

```

        "AttributeEditInfoId": 2968,
        "DisplayName": "Partition n Maximum TX Bandwidth",
        "Description": null,
        "Value": "100",
        "IsReadOnly": false,
        "IsIgnored": false
    }
}
],
"Attributes": []
},
{
    "GroupNameId": 2,
    "DisplayName": "Port ",
    "SubAttributeGroups": [
        {
            "GroupNameId": 4,
            "DisplayName": "Partition ",
            "SubAttributeGroups": [],
            "Attributes": [
                {
                    "AttributeId": 3522,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2969,
                    "DisplayName": "Partition n Minimum TX Bandwidth",
                    "Description": null,
                    "Value": "30",
                    "IsReadOnly": false,
                    "IsIgnored": false
                },
                {
                    "AttributeId": 3523,
                    "CustomId": 0,
                    "AttributeEditInfoId": 2968,
                    "DisplayName": "Partition n Maximum TX Bandwidth",
                    "Description": null,
                    "Value": "100",
                    "IsReadOnly": false,
                    "IsIgnored": false
                }
            ]
        }
    ]
},
"Attributes": []
}
],
"Attributes": []
}
],
"TemplateEditInfoDetails": {
    "@odata.id": "/api/TemplateService/Templates(10)/Views(4)/DeviceAttributeViewDetails(0)/TemplateEditInfoDetails"
}
}
}

```

## 2.9.10 /api/TemplateService/Actions/TemplateService.Clone

### POST

#### Description

Clone a template.

## Privilege

DEVICE\_CONFIGURATION

## HTTP Response Codes

200

**POST Usage Examples:** Clone a template

```
Input:
{
  "SourceTemplateId": 11,
  "NewTemplateName": "Example Test Clone"
}
```

```
Output:
ID of cloned template.
```

## 2.9.11/api/TemplateService/Actions/TemplateService.Export

### POST

#### Description

Export a template.

#### Privilege

DEVICE\_CONFIGURATION

## HTTP Response Codes

200

**POST Usage Examples :** Export a template

#### Input:

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

#### Output:

```
{
  "TemplateId": 11,
```

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

```
"ContentType": "xml",  
"ViewType": 2  
}
```

## 2.9.12 /api/TemplateService/Actions/TemplateService.Import

### POST

#### Description

Import a template from XML format.

#### Privilege

DEVICE\_CONFIGURATION

#### HTTP Response Codes

200

**POST Usage Examples** : Import a template

#### Input:

```
{  
"Name": "Import Test",  
"Type": 2,  
"Content": "<SystemConfiguration Model=\"PowerEdge R620\" ServiceTag=\"1234567\" TimeStamp=\"Thu Aug 14 16:01:06 2017\">\r\n<Component FQDD=\"LifecycleController.Embedded.1\">\r\n <Attribute Name=\"LCAttributes.1#CollectSystemInventoryOnRestart\">Enabled</Attribute>\r\n <Attribute Name=\"LCAttributes.1#PartConfigurationUpdate\">Disabled</Attribute>\r\n <Attribute Name=\"LCAttributes.1#PartFirmwareUpdate\">Disable</Attribute>\r\n <!--<Attribute Name=\"LCAttributes.1#LifecycleControllerState\">Enabled</Attribute>-->\r\n <Attribute Name=\"LCAttributes.1#IPChangeNotifyPS\">Off</Attribute>\r\n <Attribute Name=\"LCAttributes.1#VirtualAddressManagementApplication\" />\r\n <Attribute Name=\"LCAttributes.1#ProvisioningServer\" />\r\n <Attribute Name=\"LCAttributes.1#BIOSRTDRequested\">False</Attribute>\r\n <Attribute Name=\"LCAttributes.1#AutoUpdate\">Enabled</Attribute>\r\n <Attribute Name=\"LCAttributes.1#AutoBackup\">Disabled</Attribute>\r\n <Attribute Name=\"LCAttributes.1#AutoRestore\">Enabled</Attribute>\r\n </Component>\r\n <Component FQDD=\"System.Embedded.1\">\r\n <Attribute Name=\"LCD.1#Configuration\">Service Tag</Attribute>\r\n <!--<Attribute Name=\"LCD.1#UserDefinedString\" />-->\r\n <Attribute Name=\"ThermalConfig.1#CriticalEventGenerationInterval\">30</Attribute>\r\n <Attribute Name=\"ThermalConfig.1#EventGenerationInterval\">30</Attribute>\r\n <Attribute Name=\"ThermalSettings.1#BaseAlgorithm\">Auto</Attribute>\r\n <Attribute Name=\"ThermalSettings.1#FanSpeedOffset\">None</Attribute>\r\n <Attribute Name=\"ServerPwr.1#PowerCapSetting\">Disabled</Attribute>\r\n <!--<Attribute Name=\"ServerPwr.1#PowerCapValue\">324</Attribute>-->\r\n <Attribute Name=\"ServerPwr.1#PSRedPolicy\">Not Redundant</Attribute>\r\n <Attribute Name=\"ServerPwr.1#PSPFCEEnabled\">Disabled</Attribute>\r\n <!--<Attribute Name=\"ServerTopology.1#DataCenterName\" />-->\r\n <!--<Attribute Name=\"ServerTopology.1#AisleName\" />-->\r\n <!--<Attribute Name=\"ServerTopology.1#RackName\" />-->\r\n <!--<Attribute Name=\"ServerTopology.1#RackSlot\">1</Attribute>-->\r\n <!--<Attribute Name=\"ServerTopology.1#RoomName\" />-->\r\n <!--<Attribute Name=\"ServerOS.1#HostName\">WIN-KGV B03LNPQE</Attribute>-->\r\n <!--<Attribute Name=\"ServerOS.1#OSName\">Windows Server 2012 R2</Attribute>-->\r\n </Component>\r\n <Component FQDD=\"iDRAC.Embedded.1\">\r\n <Attribute Name=\"IPMILan.1#Enable\">Disabled</Attribute>\r\n <Attribute Name=\"IPMILan.1#PrivLimit\">Administrator</Attribute>\r\n <Attribute Name=\"IPMILan.1#EncryptionKey\">0000000000000000000000000000000000000000000000000000000000000000</Attribute>\r\n <Attribute Name=\"IPMILan.1#CommunityName\">public</Attribute>\r\n <Attribute Name=\"IPMILan.1#AlertEnable\">Disabled</Attribute>\r\n <Attribute Name=\"Update.1#FwUpdateTFTPEnable\">Enabled</Attribute>\r\n <Attribute Name=\"Update.1#FwUpdateIPAddr\">0.0.0.0</Attribute>\r\n <Attribute Name=\"Update.1#FwUpdatePath\" />\r\n <Attribute Name=\"EmailAlert.1#Enable\">Disabled</Attribute>\r\n <Attribute Name=\"EmailAlert.1#Address
```

```

\ />\r\n <Attribute Name="EmailAlert.1#CustomMsg" />\r\n <Attribute Name="EmailAlert.2#Enable">Disabled</Attribute>\r\n
<Attribute Name="EmailAlert.2#Address" />\r\n <Attribute Name="EmailAlert.2#CustomMsg" />\r\n <Attribute Name="EmailAlert.
3#Enable">Disabled</Attribute>\r\n <Attribute Name="EmailAlert.3#Address" />\r\n <Attribute Name="EmailAlert.3#CustomMsg
\ />\r\n <Attribute Name="EmailAlert.4#Enable">Disabled</Attribute>\r\n <Attribute Name="EmailAlert.4#Address" />\r\n
<Attribute Name="EmailAlert.4#CustomMsg" />\r\n <Attribute Name="Telnet.1#Enable">Disabled</Attribute>\r\n <Attribute Name=
"Telnet.1#Port">23</Attribute>\r\n <Attribute Name="Telnet.1#Timeout">1800</Attribute>\r\n <Attribute Name="SSH.1#Enable
">Enabled</Attribute>\r\n <Attribute Name="SSH.1#Port">22</Attribute>\r\n <Attribute Name="SSH.1#Timeout">1800</
Attribute>\r\n <Attribute Name="WebServer.1#Enable">Enabled</Attribute>\r\n <Attribute Name="WebServer.1#HttpPort">80</
Attribute>\r\n <Attribute Name="WebServer.1#HttpsPort">443</Attribute>\r\n <Attribute Name="WebServer.1#Timeout">1800</
Attribute>\r\n <Attribute Name="WebServer.1#LowerEncryptionBitLength">Enabled</Attribute>\r\n <Attribute Name="WebServer.
1#HttpsRedirection">Enabled</Attribute>\r\n <Attribute Name="VirtualConsole.1#Enable">Enabled</Attribute>\r\n <Attribute Name=
"VirtualConsole.1#EncryptEnable">None</Attribute>\r\n <Attribute Name="VirtualConsole.1#LocalVideo">Enabled</Attribute>\r\n
<Attribute Name="VirtualConsole.1#PluginType">Java</Attribute>\r\n <Attribute Name="VirtualConsole.1#MaxSessions">4</
Attribute>\r\n <Attribute Name="VirtualConsole.1#Port">5900</Attribute>\r\n <Attribute Name="VirtualConsole.1#Timeout">1800</
Attribute>\r\n <Attribute Name="VirtualConsole.1#AccessPrivilege">Deny Access</Attribute>\r\n <Attribute Name="Racadm.1#Enable
">Enabled</Attribute>\r\n <Attribute Name="Racadm.1#Timeout">60</Attribute>\r\n <Attribute Name="Serial.1#Enable
">Disabled</Attribute>\r\n <Attribute Name="Serial.1#BaudRate">115200</Attribute>\r\n <Attribute Name="Serial.1#IdleTimeout
">300</Attribute>\r\n <Attribute Name="Serial.1#NoAuth">Disabled</Attribute>\r\n <Attribute Name="Serial.1#HistorySize
">8192</Attribute>\r\n <Attribute Name="Serial.1#Command" />\r\n <Attribute Name="SerialRedirection.1#Enable">Enabled</
Attribute>\r\n <Attribute Name="SerialRedirection.1#QuitKey">^\\</Attribute>\r\n <Attribute Name="IPMISerial.1#ConnectionMode
">Basic</Attribute>\r\n <Attribute Name="IPMISerial.1#BaudRate">19200</Attribute>\r\n <Attribute Name="IPMISerial.
1#FlowControl">None</Attribute>\r\n <Attribute Name="IPMISerial.1#ChanPrivLimit">Administrator</Attribute>\r\n <Attribute
Name="IPMISerial.1#LineEdit">Enabled</Attribute>\r\n <Attribute Name="IPMISerial.1#DeleteControl">Disabled</Attribute>\r\n
<Attribute Name="IPMISerial.1#EchoControl">Enabled</Attribute>\r\n <Attribute Name="IPMISerial.1#HandshakeControl">Enabled</
Attribute>\r\n <Attribute Name="IPMISerial.1#NewLineSeq">CR-LF</Attribute>\r\n <Attribute Name="IPMISerial.1#InputNewLineSeq
">Enter</Attribute>\r\n <Attribute Name="IPMISOL.1#Enable">Enabled</Attribute>\r\n <Attribute Name="IPMISOL.1#BaudRate
">115200</Attribute>\r\n <Attribute Name="IPMISOL.1#MinPrivilege">Administrator</Attribute>\r\n <Attribute Name="IPMISOL.
1#AccumulateInterval">10</Attribute>\r\n <Attribute Name="IPMISOL.1#SendThreshold">255</Attribute>\r\n <Attribute Name=
"SNMP.1#AgentEnable">Enabled</Attribute>\r\n <Attribute Name="SNMP.1#AgentCommunity">public</Attribute>\r\n <Attribute
Name="SNMP.1#TrapFormat">SNMPv1</Attribute>\r\n <Attribute Name="SNMP.1#SNMPProtocol">All</Attribute>\r\n <Attribute
Name="SNMP.1#DiscoveryPort">161</Attribute>\r\n <Attribute Name="SNMP.1#AlertPort">162</Attribute>\r\n <Attribute Name=
"VirtualMedia.1#Attached">AutoAttach</Attribute>\r\n <Attribute Name="VirtualMedia.1#BootOnce">Disabled</Attribute>\r\n
<Attribute Name="VirtualMedia.1#KeyEnable">Disabled</Attribute>\r\n <Attribute Name="VirtualMedia.1#FloppyEmulation
">Disabled</Attribute>\r\n <Attribute Name="VirtualMedia.1#EncryptEnable">AES</Attribute>\r\n <Attribute Name="IPBlocking.
1#RangeEnable">Disabled</Attribute>\r\n <Attribute Name="IPBlocking.1#RangeAddr">192.168.1.1</Attribute>\r\n <Attribute Name=
"IPBlocking.1#RangeMask">255.255.255.0</Attribute>\r\n <Attribute Name="IPBlocking.1#BlockEnable">Enabled</Attribute>\r\n
<Attribute Name="IPBlocking.1#FailCount">3</Attribute>\r\n <Attribute Name="IPBlocking.1#FailWindow">60</Attribute>\r\n
<Attribute Name="IPBlocking.1#PenaltyTime">600</Attribute>\r\n <Attribute Name="LocalSecurity.1#PrebootConfig">Disabled</
Attribute>\r\n <Attribute Name="LocalSecurity.1#LocalConfig">Disabled</Attribute>\r\n <Attribute Name="Time.1#TimeZoneOffset
">0</Attribute>\r\n <Attribute Name="Time.1#DaylightOffset">0</Attribute>\r\n <Attribute Name="Time.1#TimeZone
">CST6CDT</Attribute>\r\n <Attribute Name="Security.1#CsrCommonName" />\r\n <Attribute Name="Security.
1#CsrOrganizationName" />\r\n <Attribute Name="Security.1#CsrOrganizationUnit" />\r\n <Attribute Name="Security.
1#CsrLocalityName" />\r\n <Attribute Name="Security.1#CsrStateName" />\r\n <Attribute Name="Security.1#CsrCountryCode
">US</Attribute>\r\n <Attribute Name="Security.1#CsrEmailAddr" />\r\n <Attribute Name="Security.1#CsrKeySize">1024</
Attribute>\r\n <Attribute Name="ActiveDirectory.1#Enable">Enabled</Attribute>\r\n <Attribute Name="ActiveDirectory.1#RacName
" />\r\n <Attribute Name="ActiveDirectory.1#RacDomain" />\r\n <Attribute Name="ActiveDirectory.1#AuthTimeout">120</Attribute>
\r\n <Attribute Name="ActiveDirectory.1#Schema">Extended Schema</Attribute>\r\n <Attribute Name="ActiveDirectory.
1#DomainController1" />\r\n <Attribute Name="ActiveDirectory.1#DomainController2" />\r\n <Attribute Name="ActiveDirectory.
1#DomainController3" />\r\n <Attribute Name="ActiveDirectory.1#GlobalCatalog1" />\r\n <Attribute Name="ActiveDirectory.
1#GlobalCatalog2" />\r\n <Attribute Name="ActiveDirectory.1#GlobalCatalog3" />\r\n <Attribute Name="ActiveDirectory.
1#CertValidationEnable">Disabled</Attribute>\r\n <Attribute Name="ActiveDirectory.1#GCLookupEnable">Disabled</Attribute>\r\n
<Attribute Name="ActiveDirectory.1#DCLookupEnable">Disabled</Attribute>\r\n <Attribute Name="ActiveDirectory.1#GCRootDomain
" />\r\n <Attribute Name="ActiveDirectory.1#DCLookupDomainName" />\r\n <Attribute Name="ActiveDirectory.
1#DCLookupByUserDomain">Enabled</Attribute>\r\n <Attribute Name="ActiveDirectory.1#SSOEnable">Disabled</Attribute>\r\n

```

```
<Attribute Name="SNMPAlert.1#State">Enabled</Attribute>\r\n <Attribute Name="SNMPAlert.2#Destination">0.0.0.0</Attribute>\r\n <Attribute Name="SNMPAlert.2#State">Disabled</Attribute>\r\n <Attribute Name="SNMPAlert.3#Destination">0.0.0.0</Attribute>\r\n <Attribute Name="SNMPAlert.3#State">Disabled</Attribute>\r\n <Attribute Name="SNMPAlert.4#Destination">0.0.0.0</Attribute>\r\n <Attribute Name="SNMPAlert.4#State">Disabled</Attribute>\r\n <Attribute Name="SNMPAlert.5#Destination">:::</Attribute>\r\n <Attribute Name="SNMPAlert.5#State">Disabled</Attribute>\r\n <Attribute Name="SNMPAlert.6#Destination">:::</Attribute>\r\n <Attribute Name="SNMPAlert.6#State">Disabled</Attribute>\r\n <Attribute Name="SNMPAlert.7#Destination">:::</Attribute>\r\n <Attribute Name="SNMPAlert.7#State">Disabled</Attribute>\r\n <Attribute Name="SNMPAlert.8#Destination">:::</Attribute>\r\n <Attribute Name="SNMPAlert.8#State">Disabled</Attribute>\r\n </Component>\r\n <Component FQDD="BIOS.Setup.1-1">\r\n <Attribute Name="MemTest">Enabled</Attribute>\r\n <Attribute Name="MemOpMode">OptimizerMode</Attribute>\r\n </Component>\r\n</SystemConfiguration>",
```

"ViewTypeId": 2

}

### Output:

ID of created template.

## 2.9.13 /api/TemplateService/Actions/TemplateService.Deploy

### POST

#### Description

Create a Deploy Template job.

#### Privilege

DEVICE\_CONFIGURATION

#### HTTP Response Codes

200

**POST Usage Examples** : Create a deploy template task.

```
Input:
{
  "Id": 11,
  "TargetIds": [5514],
  "NetworkBootIsoModel": {
    "BootToNetwork": true,
    "ShareType": "CIFS",
    "IsoPath": "bootToIsoPath.iso",
    "ShareDetail": {
      "IpAddress": "1.2.3.4",
      "ShareName": "1.2.3.4",
      "User": "bootToIsoUsername",
      "Password": "bootToIsoPassword"
    }
  },
  "Attributes": [],
  "Options": {
    "ShutdownType": 0,
    "TimeToWaitBeforeShutdown": 300,
    "EndHostPowerState": 1
  },
  "Schedule": {
    "RunNow": true,
    "RunLater": false
  }
}
```



Output:  
Id of created task.

/api/TemplateService/Actions/TemplateService.UpdateNetworkConfig

## POST

### Description

Update the network configuration parameters of a template (min max bandwidth of NICs).

### Privilege

DEVICE\_CONFIGURATION

### HTTP Response Codes

200

**POST Usage Examples** : Update the min max bandwidth of NICs.

Input:

```
{
  "TemplateId": 10,
  "IdentityPoolId": 0,
  "Attributes": [{
    "Attributes": [{
      "Id": 3297,
      "Value": "20",
      "IsIgnored": false
    },
    {
      "Id": 3298,
      "Value": "100",
      "IsIgnored": false
    },
    {
      "Id": 3350,
      "Value": "30",
      "IsIgnored": false
    },
    {
      "Id": 3351,
      "Value": "100",
      "IsIgnored": false
    },
    {
      "Id": 3369,
      "Value": "20",
      "IsIgnored": false
    },
    {
      "Id": 3370,
      "Value": "100",
      "IsIgnored": false
    },
    {
      "Id": 3388,
      "Value": "30",
      "IsIgnored": false
    },
    {
      "Id": 3389,
      "Value": "100",
      "IsIgnored": false
    }
  ]
}
```

```

    {
      "Id": 3431,
      "Value": "20",
      "IsIgnored": false
    },
    {
      "Id": 3432,
      "Value": "100",
      "IsIgnored": false
    },
    {
      "Id": 3484,
      "Value": "30",
      "IsIgnored": false
    },
    {
      "Id": 3485,
      "Value": "100",
      "IsIgnored": false
    },
    {
      "Id": 3503,
      "Value": "20",
      "IsIgnored": false
    },
    {
      "Id": 3504,
      "Value": "100",
      "IsIgnored": false
    },
    {
      "Id": 3522,
      "Value": "30",
      "IsIgnored": false
    },
    {
      "Id": 3523,
      "Value": "100",
      "IsIgnored": false
    }
  ]],
  "VlanAttributes": []
}

```

## 2.9.15 /api/TemplateService/Baselines

### GET

#### Description

Get the configuration compliance baselines.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Input:

Output:

```

{
  "@odata.context": "/api/$metadata#Collection(TemplateService.Baseline)",
  "@odata.count": 2,

```

```

"value": [
  {
    "@odata.id": "/api/TemplateService/Baselines(2)",
    "Id": 2,
    "Name": "Example Group Compliance Baseline",
    "Description": null,
    "TemplateId": 12,
    "TemplateName": "Example Compliance Template",
    "TemplateType": 2,
    "TaskId": 33764,
    "LastRun": null,
    "BaselineTargets": [
      {
        "Id": 1164,
        "Type": {
          "Id": 1000,
          "Name": "Group"
        }
      }
    ],
    "ConfigComplianceSummary": {
      "ComplianceStatus": "CRITICAL",
      "NumberOfCritical": 12,
      "NumberOfWarning": 0,
      "NumberOfNormal": 1,
      "NumberOfDowngrade": 4
    },
    "DeviceConfigComplianceReports": [
      {
        "@odata.id": "/api/TemplateService/Baselines(2)/
DeviceConfigComplianceReports"
      }
    ]
  },
  {
    "@odata.id": "/api/TemplateService/Baselines(1)",
    "Id": 1,
    "Name": "Example Baseline",
    "Description": "Example Description",
    "TemplateId": 12,
    "TemplateName": "Example Compliance Template",
    "TemplateType": 2,
    "TaskId": 33614,
    "LastRun": null,
    "BaselineTargets": [
      {
        "Id": 4314,
        "Type": {
          "Id": 1000,
          "Name": "SERVER"
        }
      },
      {
        "Id": 5514,
        "Type": {
          "Id": 1000,
          "Name": "SERVER"
        }
      }
    ],
    "ConfigComplianceSummary": {
      "ComplianceStatus": "NOT_INVENTORIED",
      "NumberOfCritical": 0,
      "NumberOfWarning": 0,
      "NumberOfNormal": 1,
      "NumberOfDowngrade": 1
    },
    "DeviceConfigComplianceReports": [
      {

```

```

        "@odata.id": "/api/TemplateService/Baselines(1)/
DeviceConfigComplianceReports"
    }
  ]
}

```

## POST

### Description

Create or update a baseline.

### Privilege

DEVICE\_CONFIGURATION

### HTTP Response Codes

200

**POST Usage Examples:** Create a baseline

Input:

```

{
  "Name": "Baseline test",
  "TemplateId": 12,
  "BaselineTargets": [{
    "Id": 5514,
    "Type": {
      "Id": 1,
      "Name": "DEVICE"
    }
  }]
}

```

Output:

```

{
  "Id": 3,
  "Name": "Baseline test",
  "Description": null,
  "LastRun": null,
  "TemplateId": 12,
  "TemplateName": null,
  "TemplateType": 0,
  "TaskId": 0,
  "ConfigComplianceSummary": null,
  "BaselineTargets": [{
    "Id": 5514,
    "Type": {
      "Id": 1,
      "Name": "DEVICE"
    }
  }]
}

```

**POST Usage Examples:** Update a baseline

Input:

```

{
  "Id": 2,
  "Name": "Example Group Compliance Baseline - Renamed",
  "TemplateId": 12,
  "BaselineTargets": [{
    "Id": 1164,

```

```

        "Type": {
            "Id": 1000,
            "Name": "Group"
        }
    }
}
}

Output:
{
    "Id": 0,
    "Name": "Example Group Compliance Baseline - Renamed",
    "Description": null,
    "LastRun": null,
    "TemplateId": 12,
    "TemplateName": null,
    "TemplateType": 0,
    "TaskId": 0,
    "ConfigComplianceSummary": null,
    "BaselineTargets": [{
        "Id": 1164,
        "Type": {
            "Id": 1000,
            "Name": "Group"
        }
    }
}
}

```

## 2.9.16 /api/TemplateService/Baselines(baselineld)

### GET

#### Description

Get the configuration compliance baseline by BaselineID.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

```

Input:
Output:
{
    "@odata.context": "/api/$metadata#TemplateService.Baseline/$entity",
    "@odata.id": "/api/TemplateService/Baselines(1)",
    "Id": 1,
    "Name": "Example Baseline",
    "Description": "Example Description",
    "TemplateId": 12,
    "TemplateName": "Example Compliance Template",
    "TemplateType": 2,
    "TaskId": 33614,
    "LastRun": null,
    "BaselineTargets": [
        {
            "Id": 4314,
            "Type": {
                "Id": 1000,
                "Name": "SERVER"
            }
        }
    ],
}

```

```

        "Id": 5514,
        "Type": {
            "Id": 1000,
            "Name": "SERVER"
        }
    },
    ],
    "ConfigComplianceSummary": {
        "ComplianceStatus": "NOT_INVENTORIED",
        "NumberOfCritical": 0,
        "NumberOfWarning": 0,
        "NumberOfNormal": 1,
        "NumberOfDowngrade": 1
    },
    "DeviceConfigComplianceReports": [
        {
            "@odata.id": "/api/TemplateService/Baselines(1)/DeviceConfigComplianceReports"
        }
    ]
}

```

## DELETE

### Description

Delete a baseline.

### Privilege

DEVICE\_CONFIGURATION

### HTTP Response Codes

204

## 2.9.17 /api/TemplateService/Baselines(baselineld)/DeviceConfigComplianceReports

## GET

### Description

Get the configuration compliance baseline device report by BaselineID.

### Privilege

VIEW

### HTTP Response Codes

200

### GET Usage Examples

```

Input:
Output:
{
    "@odata.context": "/api/
$metadata#Collection(TemplateService.DeviceConfigComplianceReports)",
    "@odata.count": 2,
    "value": [
        {
            "@odata.id": "/api/TemplateService/Baselines(1)/
DeviceConfigComplianceReports(5514)",
            "Id": 5514,
            "DeviceName": "idrac-6hhn9z1.smd.devops.dell.com",

```

```

        "Model": "PowerEdge M620",
        "ServiceTag": "6HHN9Z1",
        "ComplianceStatus": "COMPLIANT",
        "DeviceType": 1000,
        "InventoryTime": "2017-12-05 19:40:49.395245",
        "DeviceComplianceDetails": {
            "@odata.id": "/api/TemplateService/Baselines(1)/
DeviceConfigComplianceReports(5514)/DeviceComplianceDetails"
        }
    },
    {
        "@odata.id": "/api/TemplateService/Baselines(1)/
DeviceConfigComplianceReports(4314)",
        "Id": 4314,
        "DeviceName": "WIN-300NRT6ERMF",
        "Model": "PowerEdge M620",
        "ServiceTag": "6F7V3Y1",
        "ComplianceStatus": "NOT_INVENTORIED",
        "DeviceType": 1000,
        "InventoryTime": null,
        "DeviceComplianceDetails": {
            "@odata.id": "/api/TemplateService/Baselines(1)/
DeviceConfigComplianceReports(4314)/DeviceComplianceDetails"
        }
    }
]
}

```

## 2.9.18 /api/TemplateService/Baselines(baselineld)/DeviceConfigComplianceReports(deviceid)/DeviceComplianceDetails

### GET

#### Description

Get the configuration compliance baseline device compliance details report by BaselineID and DeviceID.

#### Privilege

VIEW

#### HTTP Response Codes

200

#### GET Usage Examples

Input:

Output:

```

{
    "@odata.context": "/api/$metadata#TemplateService.DeviceComplianceDetail/$entity",
    "@odata.id": "/api/TemplateService/Baselines(1)/DeviceConfigComplianceReports(5514)/
DeviceComplianceDetails",
    "DeviceId": 5514,
    "DeviceName": "idrac.dell.com",
    "BaselineId": 1,
    "BaselineName": "Example Baseline",
    "TemplateId": 12,
    "TemplateName": "Example Compliance Template",
    "ComplianceAttributeGroups": [
        {
            "GroupNameId": 2,
            "DisplayName": "System",
            "ComplianceStatus": 1,
            "ComplianceReason": "All attributes on the target device(s) match the compliance
template.",
            "ComplianceSubAttributeGroups": [
                {

```

```

    "GroupNameId": 1,
    "DisplayName": "Chassis Power State",
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match the
compliance template.",
    "ComplianceSubAttributeGroups": [],
    "Attributes": [
      {
        "AttributeId": 3585,
        "CustomId": 0,
        "DisplayName": "ChassisPwrState 1 Chassis LED State",
        "Description": null,
        "Value": null,
        "ExpectedValue": "Off",
        "ComplianceStatus": 1,
        "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
      }
    ]
  },
  {
    "GroupNameId": 3,
    "DisplayName": "Server Power",
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match the
compliance template.",
    "ComplianceSubAttributeGroups": [],
    "Attributes": [
      {
        "AttributeId": 3583,
        "CustomId": 0,
        "DisplayName": "ServerPwr 1 Power Cap Setting",
        "Description": null,
        "Value": null,
        "ExpectedValue": "Enabled",
        "ComplianceStatus": 1,
        "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
      },
      {
        "AttributeId": 3584,
        "CustomId": 0,
        "DisplayName": "ServerPwr 1 Power Cap Value",
        "Description": null,
        "Value": null,
        "ExpectedValue": "227",
        "ComplianceStatus": 1,
        "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
      }
    ]
  },
  {
    "GroupNameId": 4,
    "DisplayName": "Thermal Configuration",
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match the
compliance template.",
    "ComplianceSubAttributeGroups": [],
    "Attributes": [
      {
        "AttributeId": 3580,
        "CustomId": 0,
        "DisplayName": "ThermalConfig 1 Critical Event Generation Interval",
        "Description": null,
        "Value": null,
        "ExpectedValue": "30",
        "ComplianceStatus": 1,
        "ComplianceReason": "All attributes on the target device(s) match

```



```

the compliance template."
    },
    {
        "AttributeId": 3579,
        "CustomId": 0,
        "DisplayName": "ThermalConfig 1 Event Generation Interval",
        "Description": null,
        "Value": null,
        "ExpectedValue": "30",
        "ComplianceStatus": 1,
        "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
    }
]
},
{
    "GroupNameId": 5,
    "DisplayName": "Thermal Settings",
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match the
compliance template.",
    "ComplianceSubAttributeGroups": [],
    "Attributes": [
        {
            "AttributeId": 3581,
            "CustomId": 0,
            "DisplayName": "ThermalSettings 1 Thermal Profile Optimization",
            "Description": null,
            "Value": null,
            "ExpectedValue": "Default Thermal Profile Settings",
            "ComplianceStatus": 1,
            "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
        }
    ]
},
{
    "GroupNameId": 6,
    "DisplayName": "Unknown",
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match the
compliance template.",
    "ComplianceSubAttributeGroups": [],
    "Attributes": [
        {
            "AttributeId": 3582,
            "CustomId": 0,
            "DisplayName": "ThermalSettings 1 ThirdPartyPCIFanResponse",
            "Description": null,
            "Value": null,
            "ExpectedValue": "Enabled",
            "ComplianceStatus": 1,
            "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
        }
    ]
},
{
    "Attributes": []
},
{
    "GroupNameId": 4,
    "DisplayName": "LifecycleController",
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match the compliance
template.",
    "ComplianceSubAttributeGroups": [
        {
            "GroupNameId": 2,

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        "DisplayName": "Lifecycle Controller Attributes",
        "ComplianceStatus": 1,
        "ComplianceReason": "All attributes on the target device(s) match the
compliance template.",
        "ComplianceSubAttributeGroups": [],
        "Attributes": [
            {
                "AttributeId": 3577,
                "CustomId": 0,
                "DisplayName": "LCAttributes 1 Automatic Backup Feature",
                "Description": null,
                "Value": null,
                "ExpectedValue": "Disabled",
                "ComplianceStatus": 1,
                "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
            },
            {
                "AttributeId": 3576,
                "CustomId": 0,
                "DisplayName": "LCAttributes 1 Automatic Update Feature",
                "Description": null,
                "Value": null,
                "ExpectedValue": "Disabled",
                "ComplianceStatus": 1,
                "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
            },
            {
                "AttributeId": 3575,
                "CustomId": 0,
                "DisplayName": "LCAttributes 1 BIOS Reset To Defaults Requested",
                "Description": null,
                "Value": null,
                "ExpectedValue": "False",
                "ComplianceStatus": 1,
                "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
            },
            {
                "AttributeId": 3568,
                "CustomId": 0,
                "DisplayName": "LCAttributes 1 Collect System Inventory on Restart",
                "Description": null,
                "Value": null,
                "ExpectedValue": "Enabled",
                "ComplianceStatus": 1,
                "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
            },
            {
                "AttributeId": 3571,
                "CustomId": 0,
                "DisplayName": "LCAttributes 1 IPChangeNotifyPS",
                "Description": null,
                "Value": null,
                "ExpectedValue": "Off",
                "ComplianceStatus": 1,
                "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
            },
            {
                "AttributeId": 3569,
                "CustomId": 0,
                "DisplayName": "LCAttributes 1 Part Configuration Update",
                "Description": null,
                "Value": null,
                "ExpectedValue": "Apply always",
                "ComplianceStatus": 1,
            }
        ]
    }
}

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    "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
  },
  {
    "AttributeId": 3570,
    "CustomId": 0,
    "DisplayName": "LCAttributes 1 Part Firmware Update",
    "Description": null,
    "Value": null,
    "ExpectedValue": "Match firmware of replaced part",
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
  },
  {
    "AttributeId": 3574,
    "CustomId": 0,
    "DisplayName": "LCAttributes 1 Provisioning Server",
    "Description": null,
    "Value": null,
    "ExpectedValue": null,
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
  },
  {
    "AttributeId": 3572,
    "CustomId": 0,
    "DisplayName": "LCAttributes 1 VirtualAddressManagement",
    "Description": null,
    "Value": null,
    "ExpectedValue": "Console",
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
  },
  {
    "AttributeId": 3573,
    "CustomId": 0,
    "DisplayName": "LCAttributes 1 VirtualAddressManagementApplication",
    "Description": null,
    "Value": null,
    "ExpectedValue": null,
    "ComplianceStatus": 1,
    "ComplianceReason": "All attributes on the target device(s) match
the compliance template."
  }
]
},
  "Attributes": []
}
]
}

```