



# CDSM RESTful APIs

This chapter describes the CDSM RESTful APIs, which consist of the following:

- [Device APIs](#)
- [Service APIs](#)
- [Other APIs](#)

## Device APIs

### Device Groups

This API provides parity for the following CDSM GUI page:

Devices>Device Groups

*Table 2-1 Device Groups API Calls*

Resource URL	Method	Function Description
/api/groups	GET	Get the list of all Device Groups.
	POST	Create a new Device Group.
/api/groups/{id}	GET	Get a Device Group identified by {id}.
	PUT	Modify a Device Group identified by {id}.
	DELETE	Remove a Device Group identified by {id}.

#### Examples

- Get a Device Group  
Get a Device Group identified by id 3185

**Request URL:** /api/groups/3185

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<group id="3185" uri="/api/groups/3185">
  <Name>dg1</Name>
  <Description></Description>
  <Type>1</Type>
  <AutoAssignCe>>false</AutoAssignCe>
</group>
```

- Create a Device Group

Create a Device Group.

**Request URL:** /api/groups

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<group>
  <Name>dg1</Name>
  <Description></Description>
  <Type>1</Type>
  <AutoAssignCe>>false</AutoAssignCe>
</group>
```

**Response XML:** None

- Modify a Device Group

Modify a Device Group identified by id 3185.

**Request URL:** /api/groups/3185

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<group>
  <Name>dg4</Name>
  <Description></Description>
  <Type>1</Type>
  <AutoAssignCe>>false</AutoAssignCe>
</group>
```

**Response XML:** None

- Remove a Device Group

Remove a Device Group identified by id 3185.

**Request URL:** /api/groups/3185

**Request Method:** DELETE

**Request XML:** None

## Device Group Assignments

This API provides parity for the following CDSM GUI page:

**Devices>Device Groups>{DG}>Assignments>Devices**

*Table 2-2 Device Group Assignments API Calls*

Resource URL	Method	Function Description
/api/groups/{id}/SEs	GET	Get all SEs assigned to a Device Group.
	POST	Assigns or Unassigns SEs to a Device Group.

### Examples

- Get all SEs assigned to a Device Group

Get all SEs assigned to a Device Group identified by id 304.

**Request URL:** /api/groups/304/SEs

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<SEs uri="/api/groups/304/SEs">
  <SE id="234" uri="/api/groups/304/SEs/234">
    <Name></Name>
    <Description></Description>
    <name>SE_1</name>
    <status>Online</status>
    <isServerOffload>false</isServerOffload>
    <ipAddress>10.79.53.183</ipAddress>
    <location>SE-location</location>
    <version>3.3.0.b.33</version>
  </SE>
</SEs>
```

- Assign or un-assign SEs to a Device Group.

Assign or un-assign SEs to a Device Group identified by 304.

**Request URL:** /api/groups/304/SEs

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<groups>
  <assignIds>234</assignIds>
  <removeIds>235</removeIds>
</groups>
```

**Response XML:** None

## Locations

This API provides parity for the following CDSM GUI page.

**Devices>Locations**

**Table 2-3** *Locations API Calls*

Resource URL	Method	Function Description
/api/locations	GET	Get all Locations.
	POST	Create a Location.
/api/locations/{id}	GET	Get a Location identified by {id}.
	DELETE	Remove a Location identified by {id}.

### Examples

- Get Locations

Get all Locations.

**Request URL:** /api/locations

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<locations uri="/api/locations">
  <locations-row id="405" uri="/api/locations/405">
    <name>SE-location2</name>
    <description>None</description>
    <level>1</level>
    <parentLocation></parentLocation>
  </locations-row>
  <locations-row id="239" uri="/api/locations/239">
    <name>SE-location</name>
    <description>default location for SE</description>
    <level>1</level>
    <parentLocation></parentLocation>
  </locations-row>
</locations>
```

- Create Locations

Create a Location.

**Request URL:** /api/locations

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<location>
```

```

    <name>SE-location4</name>
    <description>none</description>
    <level>1</level>
    <parentLocation></parentLocation>
  </location>

```

**Response XML:** None

- Remove Locations

Remove a location identified by id 239.

**Request URL:** /api/locations/239

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

## Replication

### Default Bandwidth

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Replication>Default Bandwidth**

*Table 2-4 Default Bandwidth API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/defaultRepBw /api/groups/{DG_id}/defaultRepBw	GET	Get the Acquisition and Distribution Default Bandwidth settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the Acquisition and Distribution Default Bandwidth settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the Acquisition and Distribution Default Bandwidth settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

#### Examples

- Modify a Default Bandwidth

Modify Default Bandwidth of an SE identified by id 234.

**Request URL:** /api/SEs/234/defaultRepBw

**Request Method:** PUT

**Request XML:**

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<defaultRepBw>

```

```
<AcquisitionIn>100000</AcquisitionIn>
<DistributionIn>100000</DistributionIn>
<DistributionOut>100000</DistributionOut>
</defaultRepBw>
```

**Response XML:** None

## Distribution

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Replication>Distribution**

*Table 2-5 Distribution API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/distributionSetting /api/groups/{DG_id}/distributionSetting	GET	Get the Distribution settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the Distribution settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the Distribution settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Modify Distribution settings

Modify Distribution Settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/distributionSetting

**Request Method:** PUT

**Request XML:** None

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<distributionSetting>
```

```
<System_AdMul_NextNACKIntervalMultiplier>10</System_AdMul_NextNACKIntervalMultiplier>
</distributionSettingdistributionSetting>
```

**Response XML:** None

## Multicast Distribution

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Replication>Multicast Distribution**

Table 2-6 Multicast Distribution API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/mcastDistribution /api/groups/{DG_id}/mcastDistribution	GET	Get the Multicast Distribution settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the Multicast Distribution settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the Multicast Distribution settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

**Examples**

- Modify Multicast Distribution settings.

Modify Multicast Distribution settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/mcastDistribution

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<mcastDistribution>
  <System_mcast_receiver_enable>true</System_mcast_receiver_enable>
  <System_mcast_sender_enable>>false</System_mcast_sender_enable>
</mcastDistribution>
```

**Response XML:** None

## Service Control

### Enable Rules

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Service Control>Enable Rules**

Table 2-7 Enable Rules API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/ruleEnable /api/groups/{DG_id}/ruleEnable	GET	Get the Enable Rules settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the Enable Rules settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the Enable Rules settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

**Examples**

- Modify Enable Rules settings

Modify Enable Rules Settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/ruleEnable

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ruleEnable>
  <System_servicerule_enable>true</System_servicerule_enable>
</ruleEnable>
```

**Response XML:** None

**Authorization Service**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Service Control>Authorization Service**

Table 2-8 Authorization Service API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/authService /api/groups/{DG_id}/authService	GET	Get the Authorization Service settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the Authorization Service settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the Authorization Service settings for an SE or a Device Group identified by {SE_id} or {DG_id}.



**Examples**

- Modify Authorization Service settings

Modify Authorization Service settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/authService

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<authService>
  <System_authserv_enable>true</System_authserv_enable>
  <System_authserv_locationserver_enable>true</System_authserv_locationserver_enable>
  <System_authserv_locationserver_primary_host>1.1.1.1</System_authserv_locationserver
    _primary_host>
  <System_authserv_locationserver_primary_port>4333</System_authserv_locationserver_pr
    imary_port>
  <System_authserv_locationserver_secondary_host></System_authserv_locationserver_seco
    ndary_host>
  <System_authserv_locationserver_secondary_port></System_authserv_locationserver_seco
    ndary_port>
  <System_authserv_unknowndomainproxy_enable>false</System_authserv_unknowndomainproxy
    _enable>
</authService>
```

**Response XML:** None

**Transaction Logging**

This API provides parity for the following CDSM GUI pages:

**Devices>Devices>Device Groups>{SE|DG}>Service Control>Transaction Logging**

**Devices>Devices>{SR}>General Settings>Notification and Tracking>Transaction Logging**

Table 2-9 Transaction Logging API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/transacLog /api/SRs/{SR_id}/transacLog /api/groups/{DG_id}/transacLog	GET	Get the Transaction Logging settings for device identified by {SE_id}, {SR_id} or {DG_id}.
	PUT	Modify the Transaction Logging settings for device identified by {SE_id}, {SR_id} or {DG_id}.
	POST	Create the Transaction Logging settings for device identified by {SE_id}, {SR_id} or {DG_id}.
	DELETE	Remove the Transaction Logging settings for device identified by {SE_id}, {SR_id} or {DG_id}.
/api/SEs/{SE_id}/transacLog/applyDefault /api/SRs/{SR_id}/transacLog/applyDefault /api/groups/{DG_id}/transacLog/applyDefault	POST	Apply default values to the Transaction Logging settings for device identified by {SE_id}, {SR_id} or {DG_id}. Request XML is not required.
/api/SEs/{SE_id}/transacLog/applyDG/{DG_id}	POST	Apply Device Groups transaction log settings (identified by {DG_id}) on the transaction log settings of the device identified by {SE_id}. Request XML is not required.
/api/groups/{DG_id}/transacLog/forceSEs	POST	Force transaction settings on SEs in the group Identified by {DG_id}. Request XML is not required.

**Examples**

- Get Transaction Logging

Get Transaction Logging of an SE identified by id 217.

**Request URL:** /api/SEs/217/transacLog

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

```

<transacLog uri="SEs/217/transacLog">
  <System_transacLog_enable>false</System_transacLog_enable>
  <System_transacLog_dsSnapCounter>false</System_transacLog_dsSnapCounter>
  <System_transacLog_logWindowsDomain>false</System_transacLog_logWindowsDomain>
  <System_transacLog_compressEnable>false</System_transacLog_compressEnable>
  <System_transacLog_archiveFileSize>500000</System_transacLog_archiveFileSize>
  <System_transacLog_maxArchiveFileNumber>10</System_transacLog_maxArchiveFileNumber>
  <System_transacLog_format>apache</System_transacLog_format>
  <System_transacLog_archiveStr>every-day every 1</System_transacLog_archiveStr>
  <System_transacLog_hostEnable>false</System_transacLog_hostEnable>
  <System_transacLog_host_port>514</System_transacLog_host_port>
  <System_transacLog_host_ratelimit>0</System_transacLog_host_ratelimit>
  <System_transacLog_splunkUF_exportEnable>false</System_transacLog_splunkUF_exportEnable>
  <System_transacLog_exportEnable>true</System_transacLog_exportEnable>
  <System_transacLog_exportStr>every-day every 3</System_transacLog_exportStr>
  <System_transacLog_wmtEnable>true</System_transacLog_wmtEnable>
  <System_transacLog_wmtFormat>wms-41</System_transacLog_wmtFormat>
  <System_transacLog_weABRSession>disable</System_transacLog_weABRSession>
  <System_transacLog_export_skipLogTypes_serviceMonitor>true</System_transacLog_export_skipLogTypes_serviceMonitor>
  <System_transacLog_export_skipLogTypes_snapshotCounter>true</System_transacLog_export_skipLogTypes_snapshotCounter>
  <System_transacLog_export_skipLogTypes_ads_ad>true</System_transacLog_export_skipLogTypes_ads_ad>
  <System_transacLog_export_skipLogTypes_authSvr>true</System_transacLog_export_skipLogTypes_authSvr>
  <System_transacLog_export_skipLogTypes_contentMgr>false</System_transacLog_export_skipLogTypes_contentMgr>
  <System_transacLog_export_skipLogTypes_fmsAccess>true</System_transacLog_export_skipLogTypes_fmsAccess>
  <System_transacLog_export_skipLogTypes_fmsAuth>true</System_transacLog_export_skipLogTypes_fmsAuth>
  <System_transacLog_export_skipLogTypes_movieStreamer>true</System_transacLog_export_skipLogTypes_movieStreamer>
  <System_transacLog_export_skipLogTypes_weABR>true</System_transacLog_export_skipLogTypes_weABR>
  <System_transacLog_export_skipLogTypes_weApache>true</System_transacLog_export_skipLogTypes_weApache>
  <System_transacLog_export_skipLogTypes_weCLF>true</System_transacLog_export_skipLogTypes_weCLF>
  <System_transacLog_export_skipLogTypes_weIngest>true</System_transacLog_export_skipLogTypes_weIngest>
  <System_transacLog_export_skipLogTypes_weKCM>true</System_transacLog_export_skipLogTypes_weKCM>
  <System_transacLog_export_skipLogTypes_weSquid>true</System_transacLog_export_skipLogTypes_weSquid>
  <System_transacLog_export_skipLogTypes_weUrlStats>false</System_transacLog_export_skipLogTypes_weUrlStats>
  <System_transacLog_export_skipLogTypes_wms41>true</System_transacLog_export_skipLogTypes_wms41>
  <System_transacLog_export_skipLogTypes_wms41Ext>true</System_transacLog_export_skipLogTypes_wms41Ext>
  <System_transacLog_export_skipLogTypes_wms90>true</System_transacLog_export_skipLogTypes_wms90>
  <System_transacLog_export_skipLogTypes_wms90Ext>true</System_transacLog_export_skipLogTypes_wms90Ext>
  <System_transacLog_export_skipLogTypes_wmtIngest>true</System_transacLog_export_skipLogTypes_wmtIngest>
</transacLog>

```

- Create or modify Transaction Logging

Create or modify Transaction Logging of an SE identified by id 217.

**Request URL:** /api/SEs/217/transacLog

**Request Method:** POST or PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<transacLog>
  <System_transacLog_enable>false</System_transacLog_enable>
  <System_transacLog_dsSnapCounter>false</System_transacLog_dsSnapCounter>
  <System_transacLog_logWindowsDomain>false</System_transacLog_logWindowsDomain>
  <System_transacLog_compressEnable>false</System_transacLog_compressEnable>
  <System_transacLog_archiveFileSize>500000</System_transacLog_archiveFileSize>
  <System_transacLog_maxArchiveFileNumber>10</System_transacLog_maxArchiveFileNumber>
  <System_transacLog_format>apache</System_transacLog_format>
  <System_transacLog_archiveStr>every-day every 1</System_transacLog_archiveStr>
  <System_transacLog_hostEnable>false</System_transacLog_hostEnable>
  <System_transacLog_host_port>514</System_transacLog_host_port>
  <System_transacLog_host_ratelimit>0</System_transacLog_host_ratelimit>
  <System_transacLog_splunkUF_exportEnable>false</System_transacLog_splunkUF_exportEnable>
  <System_transacLog_exportEnable>true</System_transacLog_exportEnable>
  <System_transacLog_exportStr>every-day every 3</System_transacLog_exportStr>
  <System_transacLog_wmtEnable>true</System_transacLog_wmtEnable>
  <System_transacLog_wmtFormat>wms-41</System_transacLog_wmtFormat>
  <System_transacLog_weABRSession>disable</System_transacLog_weABRSession>
  <System_transacLog_export_ftpl_server>1.1.1.1</System_transacLog_export_ftpl_server>
  <System_transacLog_export_ftpl_name>aaa</System_transacLog_export_ftpl_name>
  <System_transacLog_export_ftpl_password>aaa</System_transacLog_export_ftpl_password>
  <System_transacLog_export_ftpl_dirpath>aaa</System_transacLog_export_ftpl_dirpath>
  <System_transacLog_export_ftpl_option>ftp-server</System_transacLog_export_ftpl_option>
  <System_transacLog_export_ipv6_ftpl_server>fec0::1</System_transacLog_export_ipv6_ftpl_server>
  <System_transacLog_export_ipv6_ftpl_name>bbb</System_transacLog_export_ipv6_ftpl_name>
  <System_transacLog_export_ipv6_ftpl_password>bbb</System_transacLog_export_ipv6_ftpl_password>
  <System_transacLog_export_ipv6_ftpl_dirpath>bbb</System_transacLog_export_ipv6_ftpl_dirpath>
  <System_transacLog_export_ipv6_ftpl_option>ftp-server</System_transacLog_export_ipv6_ftpl_option>
  <System_transacLog_export_skipLogTypes_serviceMonitor>true</System_transacLog_export_skipLogTypes_serviceMonitor>
  <System_transacLog_export_skipLogTypes_snapshotCounter>true</System_transacLog_export_skipLogTypes_snapshotCounter>
  <System_transacLog_export_skipLogTypes_ad>true</System_transacLog_export_skipLogTypes_ad>
  <System_transacLog_export_skipLogTypes_authSvr>true</System_transacLog_export_skipLogTypes_authSvr>
  <System_transacLog_export_skipLogTypes_contentMgr>false</System_transacLog_export_skipLogTypes_contentMgr>
  <System_transacLog_export_skipLogTypes_fmsAccess>true</System_transacLog_export_skipLogTypes_fmsAccess>
  <System_transacLog_export_skipLogTypes_fmsAuth>true</System_transacLog_export_skipLogTypes_fmsAuth>
  <System_transacLog_export_skipLogTypes_movieStreamer>true</System_transacLog_export_skipLogTypes_movieStreamer>
  <System_transacLog_export_skipLogTypes_weABR>true</System_transacLog_export_skipLogTypes_weABR>
  <System_transacLog_export_skipLogTypes_weApache>true</System_transacLog_export_skipLogTypes_weApache>
  <System_transacLog_export_skipLogTypes_weCLF>true</System_transacLog_export_skipLogTypes_weCLF>
</transacLog>
```

```

<System_transacLog_export_skipLogTypes_weIngest>true</System_transacLog_export_skipLogTypes_weIngest>
<System_transacLog_export_skipLogTypes_weKCM>true</System_transacLog_export_skipLogTypes_weKCM>
<System_transacLog_export_skipLogTypes_weSquid>true</System_transacLog_export_skipLogTypes_weSquid>
<System_transacLog_export_skipLogTypes_weUrlStats>>false</System_transacLog_export_skipLogTypes_weUrlStats>
<System_transacLog_export_skipLogTypes_wms41>true</System_transacLog_export_skipLogTypes_wms41>
<System_transacLog_export_skipLogTypes_wms41Ext>true</System_transacLog_export_skipLogTypes_wms41Ext>
<System_transacLog_export_skipLogTypes_wms90>true</System_transacLog_export_skipLogTypes_wms90>
<System_transacLog_export_skipLogTypes_wms90Ext>true</System_transacLog_export_skipLogTypes_wms90Ext>
<System_transacLog_export_skipLogTypes_wmtIngest>true</System_transacLog_export_skipLogTypes_wmtIngest>
</transacLog>

```

## Application Control

### Default and Maximum Bandwidth

Devices>Devices>Device Groups>{SE|DG}>Application Control>Default and Maximum Bandwidth

Table 2-10 Default and Maximum Bandwidth API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/appBw /api/groups/{DG_id}/appBw	GET	Get the Default and Maximum Bandwidth settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the Default and Maximum Bandwidth settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the Default and Maximum Bandwidth for an SE or a Device Group identified by {SE_id} or {DG_id}.

#### Examples

- Modify Default and Maximum Bandwidth

Modify Default and Maximum Bandwidth settings of an SE identified by id 204.

**Request URL:** /api/SEs/204/appBw

**Request Method:** PUT

**Request XML:**

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<appBw>

```

```

<dWmtIn>200000</dWmtIn>
<dWmtOut>200000</dWmtOut>
<dIptvIn>200000</dIptvIn>
<dIptvOut>200000</dIptvOut>
<mWmtIn>200000</mWmtIn>
<mWmtOut>200000</mWmtOut>
<mIptvIn>200000</mIptvIn>
<mIptvOut>200000</mIptvOut>
</appBw>

```

**Response XML:** None

## Windows Media Streaming General Settings

This API provides parity for the following CDSM GUI page.

**Devices>Devices>{SE}>Application Control>Windows Media Streaming>General Settings**

**Table 2-11** Windows Media Streaming General Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/wmtGenSetting	GET	Get Windows Media Streaming General Settings for an SE identified by {SE_id}.
	POST	Create Windows Media Streaming General Settings for an SE identified by {SE_id}.
	PUT	Modify Windows Media Streaming General Settings for an SE identified by {SE_id}.
	DELETE	Remove Windows Media Streaming General Settings for an SE identified by {SE_id}.
/api/SEs/{SE_id}/wmtGenSetting/applyDefault /api/groups/{DG_id}/wmtGenSetting/applyDefault	POST	Apply default values to the Windows Media Streaming General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}. Request XML is not required.
/api/SEs/{SE_id}/wmtGenSetting/applyDG/{DG_id}	POST	Apply Device Group's Windows Media Streaming General Settings (identified by {DG_id}) on the Windows Media Streaming General Settings of the SE identified by {SE_id}. Request XML is not required.
/api/groups/{DG_id}/wmtGenSetting/forceSEs	POST	Force Windows Media Streaming General Settings on SEs in the Device Group identified by {DG_id}. Request XML is not required.

**Examples**

- Get Windows Media Streaming General Settings

Get Windows Media Streaming General Settings for an SE identified by id 234.

Request URL: /api/SEs/234/wmtGenSetting

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<wmtGenSetting uri="/api/SEs/234/wmtGenSetting">
  <System_wmt_disallowClientProtocols_http>false</System_wmt_disallowClientProtocols_h
    ttp>
  <System_wmt_disallowClientProtocols_rtsp>false</System_wmt_disallowClientProtocols_
    rtsp>
  <System_wmt_disallowClientProtocols_rtspu>false</System_wmt_disallowClientProtocols_
    rtspu>
  <System_wmt_maxConnectionsEnable>false</System_wmt_maxConnectionsEnable>
  <System_wmt_maxConnections></System_wmt_maxConnections>
  <System_wmt_multicastTimeToLive>5</System_wmt_multicastTimeToLive>
  <System_wmt_enforceMaxBitrate>false</System_wmt_enforceMaxBitrate>
  <System_wmt_maxBitrate></System_wmt_maxBitrate>
  <System_wmt_enforceIncomingMaxBitrate>false</System_wmt_enforceIncomingMaxBitrate>
  <System_wmt_maxIncomingBitrate></System_wmt_maxIncomingBitrate>
  <System_wmt_proxyMaxObjectSize>25600</System_wmt_proxyMaxObjectSize>
  <System_wmt_serviceEnable>true</System_wmt_serviceEnable>
  <System_wmt_proxyOutgoingHttpEnable>false</System_wmt_proxyOutgoingHttpEnable>
  <System_wmt_proxyOutgoingHttpHost_hostname></System_wmt_proxyOutgoingHttpHost_hostna
    me>
  <System_wmt_proxyOutgoingHttpHost_port></System_wmt_proxyOutgoingHttpHost_port>
  <System_wmt_proxyOutgoingRtspEnable>false</System_wmt_proxyOutgoingRtspEnable>
  <System_wmt_proxyOutgoingRtspHost_hostname></System_wmt_proxyOutgoingRtspHost_hostna
    me>
  <System_wmt_proxyOutgoingRtspHost_port></System_wmt_proxyOutgoingRtspHost_port>
  <System_wmt_fastLiveSplitEnable>true</System_wmt_fastLiveSplitEnable>
  <System_wmt_fastProxyCacheEnable>true</System_wmt_fastProxyCacheEnable>
  <System_wmt_vodEnable>true</System_wmt_vodEnable>
  <System_wmt_mmsAllowedExtnsEnable>false</System_wmt_mmsAllowedExtnsEnable>
  <System_wmt_mmsAllowedExtns>asf none nsc wma wmv nsclg</System_wmt_mmsAllowedExtns>
  <System_wmt_fastStartEnable>true</System_wmt_fastStartEnable>
  <System_wmt_fastStartMaxBandwidth>3500</System_wmt_fastStartMaxBandwidth>
  <System_wmt_fastCacheEnable>true</System_wmt_fastCacheEnable>
  <System_wmt_fastCacheMaxDeliveryRate>5</System_wmt_fastCacheMaxDeliveryRate>
  <System_wmt_advancedClientIdleTimeout>60</System_wmt_advancedClientIdleTimeout>
  <System_wmt_advancedClientMaxPacketSize>1500</System_wmt_advancedClientMaxPacketSize
    >
  <System_wmt_advancedServerLogForwardingEnable>true</System_wmt_advancedServerLogForw
    ardingEnable>
  <System_wmt_advancedServer_timeout>65535</System_wmt_advancedServer_timeout>
  <System_wmt_cacheEnable>true</System_wmt_cacheEnable>
  <System_wmt_cacheAgeMultiplier>30</System_wmt_cacheAgeMultiplier>
  <System_wmt_cacheMaxTtl_time>1</System_wmt_cacheMaxTtl_time>
  <System_wmt_cacheMaxTtl_scale>days</System_wmt_cacheMaxTtl_scale>
  <System_wmt_cacheMinTtl>60</System_wmt_cacheMinTtl>
  <System_wmt_cacheReEvalRequest>false</System_wmt_cacheReEvalRequest>
</wmtGenSetting>
```

**Windows Media Streaming Bypass List**

This API provides parity for the following CDSM GUI page.

## Devices&gt;Devices&gt;{SE}&gt;Application Control&gt;Windows Media Streaming&gt;Bypass List

Table 2-12 Windows Media Streaming Bypass List API Calls

Resource URL	Method	Function Description
/api/SEs/{id}/wmtBypassList	GET	Get Windows Media BW Incoming Bypass List for an SE identified by {id}.
	POST	Create Windows Media BW Incoming Bypass List for an SE identified by {id}.
	PUT	Modify Windows Media BW Incoming Bypass List for an SE identified by {id}.
	DELETE	Remove Windows Media BW Incoming Bypass List for an SE identified by {id}.

## Examples

- Get Windows Media Streaming Bypass List

Get Windows Media Streaming Bypass List for an SE identified by id 234.

**Request URL:** /api/SEs/234/wmtBypassList

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<wmtBypassList uri="/api/SEs/234/wmtBypassList">
  <System_LocalContentServices_wmtBwIncomingBypassList>
    10.73.43.123 10.73.41.234
  </System_LocalContentServices_wmtBwIncomingBypassList>
</wmtBypassList>
```

- Create Windows Media Streaming Bypass List

Create Windows Media Streaming Bypass List for an SE with id 234. The IP address that 10.73.43.123 and 10.74.41.234 will be added in bypass list.

**Request URL:** /api/SEs/234/wmtBypassList

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<wmtBypassList>
  <System_LocalContentServices_wmtBwIncomingBypassList>
    10.73.43.123 10.73.41.234
  </System_LocalContentServices_wmtBwIncomingBypassList>
</wmtBypassList>
```

**Response XML:** None

- Modify Windows Media Streaming Bypass List

Modify Windows Media Streaming Bypass List for an SE with id 234. Change the bypass list with 10.73.43.123.

**Request URL:** /api/SEs/234/wmtBypassList



**Request Method:** PUT**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<wmtBypassList>
  <System_LocalContentServices_wmtBwIncomingBypassList>
    10.73.43.123
  </System_LocalContentServices_wmtBwIncomingBypassList>
</wmtBypassList>
```

**Response XML:** None

- Remove Windows Media BW Incoming Bypass List

Remove Windows Media Streaming Bypass List. That means empty the bypass list.

**Request URL:** /api/SEs/234/wmtBypassList

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

## Movie Streamer General Settings

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Application Control>Movie Streamer>General Settings**

*Table 2-13 Movie Streamer General Settings API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/msGenSetting /api/groups/{DG_id}/msGenSetting	GET	Get the Movie Streamer General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the Movie Streamer General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the Movie Streamer General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Modify Movie Streamer General Settings

Modify Movie Streamer of an SE identified by id 204.

**Request URL:** /api/SEs/204/msGenSetting

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<msGenSetting>
  <System_ip_tv_maxConnectionsEnable>false</System_ip_tv_maxConnectionsEnable>
  <System_ip_tv_maxConnections></System_ip_tv_maxConnections>
```

```

<System_ipTv_enforceMaxBitrate>>false</System_ipTv_enforceMaxBitrate>
<System_ipTv_maxBitrate></System_ipTv_maxBitrate>
<System_ipTv_enforceIncomingMaxBitrate>>false</System_ipTv_enforceIncomingMaxBitrate>
<System_ipTv_maxIncomingBitrate></System_ipTv_maxIncomingBitrate>
<System_darwin_license_enable>>false</System_darwin_license_enable>
<System_ipTv_proxyOutgoingRtspHost_hostname>0.0.0.0</System_ipTv_proxyOutgoingRtspHost_hostname>
<System_ipTv_proxyOutgoingRtspHost_port>554</System_ipTv_proxyOutgoingRtspHost_port>
<System_ipTv_vodEnable>>true</System_ipTv_vodEnable>
<System_ipTv_advancedClientIdleTimeout>300</System_ipTv_advancedClientIdleTimeout>
<System_ipTv_advancedClientRtpTimeout>180</System_ipTv_advancedClientRtpTimeout>
<System_ipTv_cacheEnable>>true</System_ipTv_cacheEnable>
<System_ipTv_cacheAgeMultiplier>30</System_ipTv_cacheAgeMultiplier>
<System_ipTv_cacheMaxTtl_time>1</System_ipTv_cacheMaxTtl_time>
<System_ipTv_cacheMaxTtl_scale>days</System_ipTv_cacheMaxTtl_scale>
<System_ipTv_cacheReEvalRequest>>true</System_ipTv_cacheReEvalRequest>
</msGenSetting>

```

**Response XML:** None

## RTSP Advanced Settings

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Application Control>RTSP Advanced Settings**

**Table 2-14** RTSP Advanced Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/rtspGateway	GET	Get the RTSP Advanced Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
/api/groups/{DG_id}/rtspGateway	PUT	Modify the RTSP Advanced Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the RTSP Advanced Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Modify RTSP Advanced Settings

Modify RTSP Advanced Settings of an SE identified by id 204.

**Request URL:** /api/SEs/204/rtspGateway

**Request Method:** PUT

**Request XML:**

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<rtspGateway>
  <System_rtspproxy_maxRequestsPerSecond>40</System_rtspproxy_maxRequestsPerSecond>
  <System_rtspproxy_maxInitialSetupDelay>10</System_rtspproxy_maxInitialSetupDelay>
</rtspGateway>

```

**Response XML:** None

## FMS Admin Allow Hosts

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Application Control>Flash Media Streaming>FMS Admin Allow Hosts**

*Table 2-15 FMS Admin Allow Hosts API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/fmsAllowHosts /api/groups/{DG_id}/fmsAllowHosts	GET	Get the FMS Admin Allow Hosts settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the FMS Admin Allow Hosts settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the FMS Admin Allow Hosts settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Modify FMS Admin Allow Hosts

Modify FMS Admin Allow Hosts of an SE identified by id 204

**Request URL:** /api/SEs/204/fmsAllowHosts

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<fmsAllowHosts>
  <System_fmsAdminIp_enable>false</System_fmsAdminIp_enable>
  <System_fmsAdminIp_ipList></System_fmsAdminIp_ipList>
</fmsAllowHosts>
```

**Response XML:** None

## FMS General Settings

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Application Control>Flash Media Streaming>General Settings**

Table 2-16 FMS General Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/fmsGenSetting /api/groups/{DG_id}/fmsGenSetting	GET	Get the FMS General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the FMS General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the FMS General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

**Examples**

- Modify FMS General Settings

Modify FMS General Settings of an SE by id 204.

**Request URL:** /api/SEs/204/fmsGenSetting

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<fmsGenSetting>
  <System_fms_serviceEnable>>false</System_fms_serviceEnable>
  <System_fms_maxSessions>200</System_fms_maxSessions>
  <System_fms_maxBandwidth>200000</System_fms_maxBandwidth>
</fmsGenSetting>
```

**Response XML:** None

**FMS Service Monitoring**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Application Control>Flash Media Streaming>Service Monitoring**

Table 2-17 FMS Service Monitoring API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/fmsServMonitor /api/groups/{DG_id}/fmsServMonitor	GET	Get the FMS Service Monitoring settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the FMS Service Monitoring settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the FMS Service Monitoring settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

**Examples**

- Modify FMS Service Monitoring

Modify FMS Service Monitoring of an SE identified by id 204.

**Request URL:** /api/SEs/204/fmsServMonitor

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<fmsServMonitor>
  <System_fms_monitoring_enable>true</System_fms_monitoring_enable>
</fmsServMonitor>
```

**Response XML:** None

## HTTP Cache Freshness

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SEIDG}>Application Control>Web>HTTP>HTTP Cache Freshness**

*Table 2-18 HTTP Cache Freshness API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/httpCacheFreshness /api/groups/{DG_id}/httpCacheFreshness	GET	Get the HTTP Cache Freshness settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the HTTP Cache Freshness settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the HTTP Cache Freshness settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

**Examples**

- Modify HTTP Cache Freshness

Modify HTTP Cache Freshness of an SE identified by id 204.

**Request URL:** /api/SEs/204/httpCacheFreshness

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<httpCacheFreshness>
  <System_http_freshnessEnable>false</System_http_freshnessEnable>
  <System_http_ageMultiplier>30</System_http_ageMultiplier>
  <System_http_maxTtl_scale>days</System_http_maxTtl_scale>
  <System_http_maxTtl_object>61</System_http_maxTtl_object>
  <System_http_minTtl>60</System_http_minTtl>
</httpCacheFreshness>
```

Response XML: None

## General Settings

### Content Management

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Content Management**

*Table 2-19 Content Management API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/contentMgmt /api/groups/{DG_id}/contentMgmt	GET	Get the Content Management settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the Content Management settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	POST	Create the Content Management settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the Content Management settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
/api/SEs/{SE_id}/contentMgmt/applyDefault /api/groups/{DG_id}/contentMgmt/applyDefault	POST	Apply default values to the Content Management settings for an SE or a Device Group identified by {SE_id} or {DG_id}. Request XML is not required.
/api/SEs/{SE_id}/contentMgmt/applyDG/{DG_id}	POST	Apply Device Group's Content Management settings (identified by {DG_id}) on the Content Management settings of the SE identified by {SE_id}. Request XML is not required.
/api/groups/{DG_id}/contentMgmt/forceSEs	POST	Force Content Management settings on SEs in the Device Group identified by {DG_id}. Request XML is not required.

#### Examples

- Get Content Management

Get Content Management of an SE identified by id 234.

**Request URL:** /api/SEs/234/contentMgmt

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<contentMgmt uri="/api/SEs/234/contentMgmt">
  <System_contentMgmt_cacheMaxEntries>20000000</System_contentMgmt_cacheMaxEntries>
  <System_contentMgmt_evictionprotection_size></System_contentMgmt_evictionprotection_size>
  <System_contentMgmt_evictionprotection_duration></System_contentMgmt_evictionprotection_duration>
  <System_contentMgmt_smallFileEvictionProtection_size></System_contentMgmt_smallFileEvictionProtection_size>
  <System_contentMgmt_smallFileEvictionProtection_duration></System_contentMgmt_smallFileEvictionProtection_duration>
  <System_contentMgmt_evictionsize>large</System_contentMgmt_evictionsize>
  <System_contentMgmt_hitcntDecayHalfLife>14</System_contentMgmt_hitcntDecayHalfLife>
  <System_contentMgmt_diskbktFailThreshold>30</System_contentMgmt_diskbktFailThreshold>
  <System_contentMgmt_slowscan_starttime>00:00</System_contentMgmt_slowscan_starttime>
  <System_contentMgmt_transactionLog_disable>>false</System_contentMgmt_transactionLog_disable>
</contentMgmt>
```

- **Modify Content Management**

Modify Content Management of an SE identified by id 234.

**Request URL:** /api/SEs/234/contentMgmt

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<contentMgmt>
  <System_contentMgmt_cacheMaxEntries>20000000</System_contentMgmt_cacheMaxEntries>
  <System_contentMgmt_evictionsize>1</System_contentMgmt_evictionsize>
  <System_contentMgmt_evictionprotection>false</System_contentMgmt_evictionprotection>
  <System_contentMgmt_evictionprotection_size>0</System_contentMgmt_evictionprotection_size>
  <System_contentMgmt_evictionprotection_duration>0</System_contentMgmt_evictionprotection_duration>
  <System_contentMgmt_hitcntDecayHalfLife>14</System_contentMgmt_hitcntDecayHalfLife>
  <System_contentMgmt_diskbktFailThreshold>30</System_contentMgmt_diskbktFailThreshold>
  <System_contentMgmt_slowscan_starttime_primary>00:00</System_contentMgmt_slowscan_starttime_primary>
  <System_contentMgmt_slowscan_starttime_secondary></System_contentMgmt_slowscan_starttime_secondary>
</contentMgmt>
```

**Response XML:** None

## Login Access Control

### Login Authentication

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SEIDG}>General Settings>Login Access Control>Login Authentication**

Table 2-20 Login Authentication API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/loginAuth /api/groups/{DG_id}/loginAuth	GET	Get Login Authentication settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Login Authentication settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Login Authentication settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Get Login Authentication settings

Get Login Authentication settings of an SE identified by id 234

**Request URL:** /api/SEs/234/loginAuth

**Request Method:** GET

**Request XML:** None

**Response XML:** None

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<loginAuth id="234" uri="/api/SEs/234/loginAuth">
  <Name></Name>
  <Description></Description>
  <LoginEnable>false</LoginEnable>
  <LoginConfigFailoverServerUnreach>false</LoginConfigFailoverServerUnreach>
  <EnablePassword></EnablePassword>
  <LoginPrimary>1</LoginPrimary>
  <LoginSecondary>0</LoginSecondary>
  <LoginTertiary>0</LoginTertiary>
  <EnablePrimary>0</EnablePrimary>
  <EnableSecondary>0</EnableSecondary>
  <EnableTertiary>0</EnableTertiary>
</loginAuth>
```

- Modify Login Authentication settings

Modify Login Authentication settings of an SE identified by id 234

**Request URL:** /api/SEs/234/loginAuth

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<loginAuth>
  <Name></Name>
  <Description></Description>
  <LoginEnable>True</LoginEnable>
  <LoginConfigFailoverServerUnreach>false</LoginConfigFailoverServerUnreach>
  <EnablePassword></EnablePassword>
  <!-- Value for servers
        Local = 1, Radius = 2, Tacacs = 3, Do Not Set = 0 -->
```



```

<LoginPrimary>1</LoginPrimary>
<LoginSecondary>0</LoginSecondary>
<LoginTertiary>0</LoginTertiary>
<EnablePrimary>0</EnablePrimary>
<EnableSecondary>0</EnableSecondary>
<EnableTertiary>0</EnableTertiary>
</loginAuth>

```

**Response XML:** None

## Exec Authentication

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Login Access Control>Exec Authentication**

*Table 2-21 Exec Authentication API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/execAuth /api/groups/{DG_id}/execAuth	GET	Get Exec Authentication settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Exec Authentication settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Exec Authentication settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

## SSH

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Login Access Control>SSH**

*Table 2-22 SSH API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/ssh /api/groups/{DG_id}/ssh	GET	Get SSH settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify SSH settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Delete SSH settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

## Telnet

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Login Access Control>Telnet**

**Table 2-23** *Telnet API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/telnet /api/groups/{DG_id}/telnet	GET	Get Telnet settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Telnet settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Telnet settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

## Message of the Day

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups >{CDM|SR|SE|DG}>General Settings>Login Access Control>Message of the Day**

**Table 2-24** *Message of the Day API Calls*

Resource URL	Method	Function Description
/api/SRs/{SR_id}/motd /api/SEs/{SE_id}/motd /api/groups/{DG_id}/motd	GET	Get Message of the Day settings for a device or a Device Group identified by {id}.
	POST	Create Message of the Day settings for a device or a Device Group identified by {id}.
	PUT	Modify Message of the Day settings for a device or a Device Group identified by {id}.
	DELETE	Remove Message of the Day settings for a device or a Device Group identified by {id}.
/api/SEs/{SE_id}/motd/applyDefault /api/groups/{DG_id}/motd/applyDefault	POST	Apply default values to the Message of the Day settings for an SE or a Device Group identified by {SE_id} or {DG_id}. Request XML is not required.

Table 2-24 Message of the Day API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/motd/applyDG/{DG_id}	POST	Apply Device Group's Message of the Day settings (identified by {DG_Id}) on the Message of the Day settings of the SE identified by {SE_id}. Request XML is not required.
/api/groups/{DG_id}/motd/forceSEs	POST	Force Message of the Day settings on SEs in the group identified by {DG_id}. Request XML is not required.

**Examples**

- Get Message of the Day settings

Modify Message of the Day settings of an SE identified by id 234

**Request URL:** /api/SEs/234/motd

**Request Method:** GET

**Request XML:** None

**Response XML:** None

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<motd uri="/api/SEs/234/motd">
  <System_motd_enable>false</System_motd_enable>
  <System_motd_motdMessage></System_motd_motdMessage>
  <System_motd_loginMessage></System_motd_loginMessage>
  <System_motd_execMessage></System_motd_execMessage>
  <System_motd_login_banner_enable>true</System_motd_login_banner_enable>
</motd>
```

**CLI Session Time**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Login Access Control>CLI Session Time**

Table 2-25 CLI Session Time API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/cliSessionTime /api/groups/{DG_id}/cliSessionTime	GET	Get CLI Session Time settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify CLI Session Time settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove CLI Session Time settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

## Username

This API provides parity for the following CDSM GUI page.

**Devices>Devices>Device Groups>{SE|SR|DG}>General Settings>Login Access Control>Users>Usernames**

Table 2-26 Usernames API calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/localUsers /api/SRs/{SR_id}/localUsers /api/groups/{DG_id}/localUsers	GET	Get all Usernames for a device or a Device Group identified by {id}.
/api/SEs/{SE_id}/localUser/{USER_id} /api/SRs/{SR_id}/localUser/{USER_id} /api/groups/{DG_id}/localUser/{USER_id}	GET	Get a Username with {USER_id} for a device or a Device Group identified by {id}.
	DELETE	Remove a Username with {USER_id} identified by {USER_id} for a device or a Device Group identified by {id}.

### Examples

- Get Usernames

Get a Username with USER\_id 303 from SE identified by SE\_id 234.

**Request URL:** /api/SEs/234/localUsers/303

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<localUsers uri="/api/SEs/234/localUsers">
  <localUsers-row id="303" uri="/api/SEs/234/localUsers/303">
    <username>testUser6</username>
    <password>$5$cRgyTXbh$9Y0H1g2rZwp36M9K.TTAEYzdJVG.EwDcdfTkSqV8dU2</password>
    <cifsPassword></cifsPassword>
    <privilege>0</privilege>
  </localUsers-row>
</localUsers>
```

- Remove Usernames

Remove a Username with USER\_id 303 from SE identified by SE\_id 234.

**Request URL:** /api/SEs/234/localUsers/303

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

## Authentication

### RADIUS Server

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Authentication>RADIUS Server**

*Table 2-27 RADIUS Server settings API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/radius	GET	Get RADIUS Server settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
/api/groups/{DG_id}/radius	PUT	Modify RADIUS Server settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove RADIUS Server settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Get RADIUS Server settings

Get RADIUS Server settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/radius

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<radius id="234" uri="/api/SEs/234/radius">
  <Name></Name>
```

```

<Description></Description>
<RadiusContainerEnable>true</RadiusContainerEnable>
<RadiusContainerRedirectEnable>true</RadiusContainerRedirectEnable>
<RadiusContainerRedirectMsg0>two</RadiusContainerRedirectMsg0>
<RadiusContainerRedirectLocation0>http://two.se</RadiusContainerRedirectLocation0>
<RadiusContainerEncryptKey>1234</RadiusContainerEncryptKey>
<RadiusContainerTimeout>5</RadiusContainerTimeout>
<RadiusContainerRetransmit>2</RadiusContainerRetransmit>
<RadiusContainerServer1>1.1.1.1</RadiusContainerServer1>
<RadiusContainerPort1>1645</RadiusContainerPort1>
<RadiusContainerPort2>1645</RadiusContainerPort2>
<RadiusContainerPort3>1645</RadiusContainerPort3>
<RadiusContainerPort4>1645</RadiusContainerPort4>
<RadiusContainerPort5>1645</RadiusContainerPort5>
</radius>

```

## TACACS+ Server

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Authentication>TACACS+ Server**

**Table 2-28** TACACS+ Server settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/tacacs /api/groups/{DG_id}/tacacs	GET	Get TACACS+ Server settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify TACACS+ Server settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove TACACS+ Server settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Get TACACS+ Server settings

Get TACACS+ Server settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/tacacs

**Request Method:** GET

**Request XML:** None

**Response XML:**

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tacacs id="234" uri="/api/SEs/234/tacacs">
  <Name></Name>
  <Description></Description>
  <TacacsContainerEnable>true</TacacsContainerEnable>
  <TacacsContainerUseAsciiPassword>>false</TacacsContainerUseAsciiPassword>
  <TacacsContainerTimeout>5</TacacsContainerTimeout>
  <TacacsContainerRetransmit>2</TacacsContainerRetransmit>
  <TacacsContainerPrimaryServer>1.1.1.1</TacacsContainerPrimaryServer>
</tacacs>

```

## AAA Accounting

This API provides parity for the following CDSM GUI page.

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Authentication>AAA Accounting**

*Table 2-29 AAA Accounting settings API calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/aaaAccounting /api/groups/{DG_id}/aaaAccounting	GET	Get AAA Accounting settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	POST	Create AAA Accounting settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify AAA Accounting settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove AAA Accounting settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Get AAA Accounting settings

Get all AAA Accounting Settings for an SE identified by id 234.

**Request URL:** /api/SEs/234/aaaAccounting

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<aaaAccounting uri="/api/SEs/234/aaaAccounting">
  <System_aaa_tacacs_systemOptions>
    start-stop
  </System_aaa_tacacs_systemOptions>
  <System_aaa_tacacs_execOptions>
    stop-only
  </System_aaa_tacacs_execOptions>
  <System_aaa_tacacs_normalUserCommandsOptions>
    start-stop
  </System_aaa_tacacs_normalUserCommandsOptions>
  <System_aaa_tacacs_adminUserCommandsOptions>
    start-stop
  </System_aaa_tacacs_adminUserCommandsOptions>
</aaaAccounting>
```

- Create AAA Accounting settings

Create AAA Accounting Settings for an SE with id 234. The TACACS+ server need to be enabled before creating it.

**Request URL:** /api/SEs/234/aaaAccounting

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<aaaAccounting>
  <System_aaa_tacacs_systemOptions>
    start-stop
  </System_aaa_tacacs_systemOptions>
  <System_aaa_tacacs_execOptions>
    stop-only
  </System_aaa_tacacs_execOptions>
  <System_aaa_tacacs_normalUserCommandsOptions>
    start-stop
  </System_aaa_tacacs_normalUserCommandsOptions>
  <System_aaa_tacacs_adminUserCommandsOptions>
    start-stop
  </System_aaa_tacacs_adminUserCommandsOptions>
</aaaAccounting>
```

**Response XML:** None

- Modify AAA Accounting settings

Modify AAA Accounting settings for an SE identified by id 234. Change all values of field to stop-only.

**Request URL:** /api/SEs/234/aaaAccounting

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<aaaAccounting>
  <System_aaa_tacacs_systemOptions>
    stop-only
  </System_aaa_tacacs_systemOptions>
  <System_aaa_tacacs_execOptions>
    stop-only
  </System_aaa_tacacs_execOptions>
  <System_aaa_tacacs_normalUserCommandsOptions>
    stop-only
  </System_aaa_tacacs_normalUserCommandsOptions>
  <System_aaa_tacacs_adminUserCommandsOptions>
    stop-only
  </System_aaa_tacacs_adminUserCommandsOptions>
</aaaAccounting>
```

**Response XML:** None

- Remove AAA Accounting Settings

Remove configurations of AAA Accounting Settings. That means set all fields to “Do Not Set”.

**Request URL:** /api/SEs/234/aaaAccounting

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None



## Enable Access Control List

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Authentication>Access Control List>Enable Access Control List**

*Table 2-30 Enable Access Control List settings API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/enableAcl /api/SRs/{DG_id}/enableAcl	GET	Get the status of Enable Access Control List for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify the status of Enable Access Control List for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove the status of Enable Access Control List for an SE or a Device Group identified by {SE_id} or {DG_id}.

### Examples

- Get Enable Access Control List

Get the status of Enable Access Control List identified by id 234.

**Request URL:** /api/SEs/234/enableAcl

**Request Method:** GET

**Request XML:** None

Response XML:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<enableAcl uri="/api/SEs/234/enableAcl">
  <System_accesslist_enable>false</System_accesslist_enable>
</enableAcl>
```

## Configure Access Control List

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Authentication>Access Control List>Configure Access Control List**

Table 2-31 ACL API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/acl /api/SRs/{DG_id}/acl	GET	Get Access Control List settings for an SE or a Device Group identified by {SE_id}, or {DG_id}.
	PUT	Modify Access Control List settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Access Control List settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

**Examples**

- Get Access Control List settings

Get Access Control List settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/acl

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<acl uri="/api/SEs/234/acl">
  <acl-row id="587" uri="/api/SEs/234/acl/587">
    <action>0</action>
    <groupName>1</groupName>
    <position>1</position>
  </acl-row>
  <acl-row id="588" uri="/api/SEs/234/acl/588">
    <action>0</action>
    <groupName>"group 3"</groupName>
    <position>2</position>
  </acl-row>
  <acl-row id="586" uri="/api/SEs/234/acl/586">
    <action>0</action>
    <groupName>"group 1"</groupName>
    <position>3</position>
  </acl-row>
</acl>
```

**Storage****Disk Error Handling**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Storage>Disk Error Handling**

Table 2-32 Disk Error Handling settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/diskError /api/groups/{DG_id}/diskError	GET	Get Disk Error Handling settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Disk Error Handling settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Disk Error Handling settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get Disk Error Handling settings

Get Disk Error Handling settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/diskError

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<diskError uri="/api/SEs/234/diskError">
  <System_diskErrorHandling_enable>false</System_diskErrorHandling_enable>

  <System_diskErrorHandling_reloadEnable>false</System_diskErrorHandling_reloadEnable>

  <System_diskErrorHandling_thresholdEnable>false</System_diskErrorHandling_thresholdEnable>

  <System_diskErrorHandling_badsectors_threshold>15</System_diskErrorHandling_badsectors_threshold>

  <System_diskErrorHandling_errors_threshold>500</System_diskErrorHandling_errors_threshold>
</diskError>
```

**Network****FTP**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Network>FTP**

Table 2-33 FTP settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/ftp /api/groups/{DG_id}/ftp	GET	Get FTP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify FTP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove FTP settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get FTP settings

Get FTP settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/ftp

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ftp uri="/api/SEs/234/ftp">
  <System_ftpInetd_enable>true</System_ftpInetd_enable>
</ftp>
```

**DNS**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Network>DNS**

Table 2-34 DNS settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/dns /api/groups/{DG_id}/dns	GET	Get DNS settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify DNS settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove DNS settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get DNS settings

Get DNS settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/dns

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<dns uri="/api/SEs/234/dns">
  <System_dns_enable>false</System_dns_enable>
  <System_dns_nameServer></System_dns_nameServer>
  <System_dns_domainName></System_dns_domainName>
</dns>
```

**RCP**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Network>RCP**

*Table 2-35 RCP settings API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/rcp /api/groups/{DG_id}/rcp	GET	Get RCP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify RCP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove RCP settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get RCP settings

Get RCP settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/rcp

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<rcp uri="/api/SEs/234/rcp">
  <System_inetdRcp_enable>false</System_inetdRcp_enable>
</rcp>
```

## NTP

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Network>NTP**

**Table 2-36** NTP settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/ntp /api/groups/{DG_id}/ntp	GET	Get NTP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify NTP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove NTP settings for an SE or a Device Group identified by {SE_id} or {DG_id}

## Examples

- Get NTP settings

Get NTP settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/ntp

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ntp uri="/api/SEs/234/ntp">
  <System_ntp_enable>false</System_ntp_enable>
  <System_ntp_server></System_ntp_server>
</ntp>
```

## TCP

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Network>TCP**

Table 2-37 TCP settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/tcp /api/groups/{DG_id}/tcp	GET	Get TCP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify TCP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove TCP settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get TCP settings

Get TCP settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/tcp

**Request Method:** GET

**Request XML:** None

Response XML:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tcp uri="/api/SEs/234/tcp">
  <System_tcp_timeStamp>true</System_tcp_timeStamp>
  <System_tcp_twRecycle>true</System_tcp_twRecycle>
  <System_tcp_twReuse>true</System_tcp_twReuse>
</tcp>
```

**Time Zone**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Group>{SE|DG}>Network>Time Zone**

Table 2-38 Time Zone Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/timeZone /api/groups/{DG_id}/timeZone	GET	Get Time Zone settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
/api/SEs/{SE_id}/timeZone/{id} /api/groups/{DG_id}/timeZone/{id}	PUT	Modify Time Zone settings with {id} for an SE or a Device Group identified by {SE_id} or {DG_id}.

Table 2-38 Time Zone Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/timeZone /api/groups/{DG_id}/timeZone	POST	Create Time Zone settings for an SE or a Device Group identified by {SE_id} or {DG_id}
/api/SEs/{SE_id}/timeZone/{id} /api/groups/{DG_id}/timeZone/{id}	DELETE	Remove Time Zone settings with {id} for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Create Customized Time Zone settings

Create Customized Time Zone settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/timeZone

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<timeZone>
  <timeZoneName>newTimeZone</timeZoneName>
  <timeZoneUtcOffset>-150</timeZoneUtcOffset>
  <summerTimeType>2</summerTimeType>
  <summerTimeOffset>12</summerTimeOffset>
  <summerTimeStartTime>10/16/2013</summerTimeStartTime>
  <summerTimeEndTime>11/16/2013</summerTimeEndTime>
  <recStartDay>1</recStartDay>
  <recStartWeek>1</recStartWeek>
  <recStartMonth>1</recStartMonth>
  <recStartMin>1</recStartMin>
  <recEndDay>2</recEndDay>
  <recEndWeek>2</recEndWeek>
  <recEndMonth>2</recEndMonth>
  <recEndMin>2</recEndMin>
  <isCustomTz>custom</isCustomTz>
</timeZone >
```

**Response XML:** None

- Modify Customized Time Zone settings

Modify Customized Time Zone settings with id 572 for an SE identified by id 234.

**Request URL:** /api/SEs/234/timeZone/572

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<timeZone>
  <timeZoneName>newTimeZone</timeZoneName>
  <timeZoneUtcOffset>-150</timeZoneUtcOffset><!--Value is given in hours -->
  <!-- Summer Time Type
  No Value for no summer time
  2 = Absolute Dates
  3 = Recurring Dates
  -->
  <summerTimeType>2</summerTimeType>
  <summerTimeOffset>12</summerTimeOffset>
```



```

<!-- Date format is MM/DD/YYYY -->
<summerTimeStartTime>10/16/2013</summerTimeStartTime>
<summerTimeEndTime>11/16/2013</summerTimeEndTime>
<!-- Day value will be 1=MON,2=TUE etc. till 7=SUN -->
<recStartDay></recStartDay>
<!-- Week value will be 1=1st Week,2=2nd Week etc. till 4=last Week -->
<recStartWeek></recStartWeek>
<!-- Month value must be specified in number -->
<recStartMonth></recStartMonth>
<recStartMin></recStartMin>
<recEndDay></recEndDay>
<recEndWeek></recEndWeek>
<recEndMonth></recEndMonth>
<recEndMin></recEndMin>
<!-- For isCustomTz value must be "standard" or "custom" -->
<isCustomTz>custom</isCustomTz>
</timeZone>

```

**Response XML:** None

- Create Standard Time Zone settings

Create Standard Time Zone settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/timeZone

**Request Method:** POST

**Request XML:**

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<timeZone>
  <timeZoneName>MST</timeZoneName>
  <isCustomTz>standard</isCustomTz>
</timeZone >

```

**Response XML:** None

- Modify Standard Time Zone settings

Modify Standard Time Zone Settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/timeZone/572

**Request Method:** POST

**Request XML:**

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<!-- Data Model for modification of Standard TimeZone -->
<timeZone>
<!-- For subtimezone the value must be like "Europe/Amsterdam" -->
<timeZoneName>MST</timeZoneName>
<!-- For isCustomTz value must be "standard" or "custom" -->
<isCustomTz>standard</isCustomTz>
</timeZone >

```

**Response XML:** None

## Port Channel Settings

This API provides parity for the following CDSM GUI page:

**Devices> Devices>Device Groups>{SE|DG}>Network>Port Channel Settings**

Table 2-39 Port Channel Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/portChannelSetting /api/groups/{DG_id}/portChannelSetting	GET	Get Port Channel Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Port Channel Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Port Channel Settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get Port Channel Settings

Get Port Channel Settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/portChannelSetting

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<portChannelSetting uri="/api/SEs/234/portChannelSetting">
  <System_portChannel_loadBalanceMethod>dst-ip</System_portChannel_loadBalanceMethod>
</portChannelSetting>
```

**IP General Settings**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Network>IP General Settings**

Table 2-40 IP General Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/ipGenSetting /api/groups/{DG_id}/ipGenSetting	GET	Get IP General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify IP General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove IP General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get IP General Settings

Get IP General Settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/ipGenSetting

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ipGenSetting uri="/api/SEs/234/ipGenSetting">

<System_ipGeneralSettings_pathMtuDiscovery>true</System_ipGeneralSettings_pathMtuDisco
very>
</ipGenSetting>
```

## DSR VIP

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>Network>DSR VIP**

*Table 2-41 DSR VIP settings API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/dsrVIP	GET	Get DSR VIP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
/api/groups/{DG_id}/dsrVIP	PUT	Modify DSR VIP settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove DSR VIP settings for an SE or a Device Group identified by {SE_id} or {DG_id}

### Examples

- Get DSR VIP settings

Get DSR VIP settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/dsrVIP

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<dsrVIP uri="/api/SEs/234/dsrVIP">
  <System_dsr_vip0></System_dsr_vip0>
  <System_dsr_vipv6_0></System_dsr_vipv6_0>
  <System_dsr_vip1></System_dsr_vip1>
  <System_dsr_vipv6_1></System_dsr_vipv6_1>
  <System_dsr_vip2></System_dsr_vip2>
  <System_dsr_vipv6_2></System_dsr_vipv6_2>
  <System_dsr_vip3></System_dsr_vip3>
  <System_dsr_vipv6_3></System_dsr_vipv6_3>
</dsrVIP>
```

## Notification and Tracking

### Alarm Settings

This API provides parity for the following CDSM GUI page:

**Devices> Devices>Device Groups>{SE/DG}>General Settings>Notification and Tracking> Alarm Settings**

*Table 2-42 Alarm Settings API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/alarmSetting /api/groups/{DG_id}/alarmSetting	GET	Get Alarm Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Alarm Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Alarm Settings for an SE or a Device Group identified by {SE_id} or {DG_id}

#### Examples

- Get Alarm Settings

Get Alarm Settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/alarmSetting

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<alarmSetting uri="/api/SEs/234/alarmSetting">
  <System_alarmOverloadDetect_enable>true</System_alarmOverloadDetect_enable>
  <System_alarmOverloadDetect_waterMark_raise>10</System_alarmOverloadDetect_waterMark_raise>
  <System_alarmOverloadDetect_waterMark_clear>1</System_alarmOverloadDetect_waterMark_clear>
  <System_alarmGeneration_adminShutdownIntf>>false</System_alarmGeneration_adminShutdownIntf>
</alarmSetting>
```

### Service Monitor

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE/DG}>General Settings>Notification and Tracking>Service Monitor**

Table 2-43 Service Monitor settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/serviceMon /api/groups/{DG_id}/serviceMon	GET	Get Service Monitor settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Service Monitor settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Service Monitor settings for an SE or a Device Group identified by {SE_id} or {DG_id}

### Examples

- Get Service Monitor settings

Get Service Monitor settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/serviceMon

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<serviceMon uri="/api/SEs/234/serviceMon">
  <System_serviceMonitor_wmt_enable>true</System_serviceMonitor_wmt_enable>
  <System_serviceMonitor_wmt_threshold>90</System_serviceMonitor_wmt_threshold>
  <System_serviceMonitor_wmt_period>1</System_serviceMonitor_wmt_period>
  <System_serviceMonitor_wmt_numberofsamples>2</System_serviceMonitor_wmt_numberofsamp
les>
  <System_serviceMonitor_memory_enable>true</System_serviceMonitor_memory_enable>
  <System_serviceMonitor_memory_threshold>80</System_serviceMonitor_memory_threshold>
  <System_serviceMonitor_memory_period>1</System_serviceMonitor_memory_period>
  <System_serviceMonitor_memory_numberofsamples>2</System_serviceMonitor_memory_number
ofsamples>
  <System_serviceMonitor_kmemory_enable>true</System_serviceMonitor_kmemory_enable>
  <System_serviceMonitor_kmemory_threshold>50</System_serviceMonitor_kmemory_threshol
d>
  <System_serviceMonitor_kmemory_period>1</System_serviceMonitor_kmemory_period>
  <System_serviceMonitor_kmemory_numberofsamples>2</System_serviceMonitor_kmemory numb
erofsamples>
  <System_serviceMonitor_cpu_enable>true</System_serviceMonitor_cpu_enable>
  <System_serviceMonitor_cpu_threshold>80</System_serviceMonitor_cpu_threshold>
  <System_serviceMonitor_cpu_period>1</System_serviceMonitor_cpu_period>
  <System_serviceMonitor_cpu_numberofsamples>2</System_serviceMonitor_cpu_numberofsamp
les>
  <System_serviceMonitor_disk_enable>true</System_serviceMonitor_disk_enable>
  <System_serviceMonitor_disk_threshold>80</System_serviceMonitor_disk_threshold>
  <System_serviceMonitor_disk_period>1</System_serviceMonitor_disk_period>
  <System_serviceMonitor_disk_numberofsamples>2</System_serviceMonitor_disk_numberofsa
mples>
  <System_serviceMonitor_fms_enable>true</System_serviceMonitor_fms_enable>
  <System_serviceMonitor_fms_threshold>90</System_serviceMonitor_fms_threshold>
  <System_serviceMonitor_fms_period>1</System_serviceMonitor_fms_period>
```

```

<System_serviceMonitor_fms_numberofsamples>2</System_serviceMonitor_fms_numberofsamp
les>
<System_serviceMonitor_moviestreamer_enable>>true</System_serviceMonitor_moviestreame
r_enable>
<System_serviceMonitor_moviestreamer_threshold>90</System_serviceMonitor_moviestream
er_threshold>
<System_serviceMonitor_burstcnt_threshold>1</System_serviceMonitor_burstcnt_threshol
d>
<System_serviceMonitor_diskFailurePercentage_threshold>75</System_serviceMonitor_dis
kFailurePercentage_threshold>
<System_serviceMonitor_nic_enable>>true</System_serviceMonitor_nic_enable>
<System_serviceMonitor_nic_threshold>90</System_serviceMonitor_nic_threshold>
<System_serviceMonitor_nic_period>3</System_serviceMonitor_nic_period>
<System_serviceMonitor_nic_numberofsamples>2</System_serviceMonitor_nic_numberofsamp
les>
<System_serviceMonitor_augmentAlarm_enable>>false</System_serviceMonitor_augmentAlarm
_enable>
<System_serviceMonitor_augmentAlarm_threshold>80</System_serviceMonitor_augmentAlarm
_threshold>
<System_serviceMonitor_transactionLog_enable>>false</System_serviceMonitor_transactio
nLog_enable>
</serviceMon>

```

## System Monitor

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Notification and Tracking>System Monitor**

*Table 2-44 System Monitor settings API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/sysMon	GET	Get System Monitor settings for a device or Device Group identified by {SE_id}, {SR_ID} or {DG_id}.
/api/SRs/{SR_id}/sysMon		
/api/groups/{DG_id}/sysMon	PUT	Modify Service Monitor settings for a device or Device Group identified by {SE_id}, {SR_ID} or {DG_id}.
	DELETE	Remove System Monitor settings for a device or Device Group identified by {SE_id}, {SR_ID} or {DG_id}.

### Examples

- Get System Monitor settings

Get System Monitor settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/sysMon

**Request Method:** GET

**Request XML:** None

**Response XML:**

```

<<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<sysMon uri="/api/SEs/239/sysMon">

```

```
<System_systemMonitor_uninterruptible_sleep_enable>>false</System_systemMonitor_uninter
ruptible_sleep_enable>
</sysMon>
```

## SNMP General Settings

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Notification and Tracking>SNMP>General Settings**

**Table 2-45** SNMP General Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/snmpGenSetting /api/groups/{DG_id}/snmpGenSetting	GET	Get SNMP General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify SNMP General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove SNMP General Settings for an SE or a Device Group identified by {SE_id} or {DG_id}

### Examples

- Get SNMP General Settings

Get SNMP General Settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/snmpGenSetting

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<snmpGenSetting uri="/api/SEs/234/snmpGenSetting">
  <snmpGenSetting-row id="595" uri="/api/SEs/234/snmpGenSetting/595">
    <contact></contact>
    <location></location>
    <ceTrapFlag>4</ceTrapFlag>
    <entity></entity>
    <event></event>
    <config></config>
    <authentication>1</authentication>
    <coldStart></coldStart>
    <alarmTrapFlag>5</alarmTrapFlag>
    <enableTraps></enableTraps>
    <mibPersistentEvent></mibPersistentEvent>
    <notifyInform>1</notifyInform>
    <writeMib></writeMib>
    <crConfig></crConfig>
    <cdmConfig></cdmConfig>
    <ceConfig>CeConfig_234</ceConfig>
    <deviceGroup></deviceGroup>
  </snmpGenSetting-row>
</snmpGenSetting>
```

## SNMP Asset Tag

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Notification and Tracking>SNMP>Asset Tag**

*Table 2-46 SNMP Asset Tag settings API Calls*

Resource URL	Method	Function Description
/api/SEs/{SE_id}/snmpAsset	GET	Get SNMP Asset Tag settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
/api/groups/{DG_id}/snmpAsset	PUT	Modify SNMP Asset Tag settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove SNMP Asset Tag settings for an SE or a Device Group identified by {SE_id} or {DG_id}

### Examples

- Get SNMP Asset Tag settings

Get Asset Tag settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/snmpAsset

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<snmpAsset uri="/api/SEs/234/snmpAsset">
  <System_snmpAsset_assetTagName>tagName</System_snmpAsset_assetTagName>
</snmpAsset>
```

## SNMP Contact

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Notification and Tracking>SNMP>Contact**



Table 2-47 SNMP Contact settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/snmpContact /api/groups/{DG_id}/snmpContact	GET	Get SNMP Contact settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify SNMP Contact settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove SNMP Contact settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get SNMP Contact settings

Get SNMP Contact settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/snmpContact

**Request Method:** GET

**Request XML:** None

Response XML:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<snmpContact uri="/api/SEs/234/snmpContact">
  <System_snmpContact_contact>sysContact</System_snmpContact_contact>
  <System_snmpContact_location>Lo_1</System_snmpContact_location>
</snmpContact>
```

**System Log**

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Notification and Tracking>System Log**

Table 2-48 System Log Settings API Calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/syslog /api/groups/{DG_id}/syslog	GET	Get System Log settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify System Log settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove System Log settings for an SE or a Device Group identified by {SE_id} or {DG_id}

**Examples**

- Get System Log settings

Get System Log settings of an SE identified by id 234.

**Request URL:** /api/SEs/234/syslog

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<syslog uri="/api/SEs/234/syslog">
  <System_syslog_enable>false</System_syslog_enable>
  <System_syslog_consoleEnable>false</System_syslog_consoleEnable>
  <System_syslog_consolePriority>warning</System_syslog_consolePriority>
  <System_syslog_diskEnable>true</System_syslog_diskEnable>
  <System_syslog_diskPriority>notice</System_syslog_diskPriority>
  <System_syslog_fileName>/local1/syslog.txt</System_syslog_fileName>
  <System_syslog_recycle>10000000</System_syslog_recycle>
  <System_syslog_hostEnable>false</System_syslog_hostEnable>
  <System_syslog_host0_hostname></System_syslog_host0_hostname>
  <System_syslog_host0_priority>warning</System_syslog_host0_priority>
  <System_syslog_host0_port>514</System_syslog_host0_port>
  <System_syslog_host0_ratelimit>0</System_syslog_host0_ratelimit>
  <System_syslog_host1_hostname></System_syslog_host1_hostname>
  <System_syslog_host1_priority>warning</System_syslog_host1_priority>
  <System_syslog_host1_port>514</System_syslog_host1_port>
  <System_syslog_host1_ratelimit>0</System_syslog_host1_ratelimit>
  <System_syslog_host2_hostname></System_syslog_host2_hostname>
  <System_syslog_host2_priority>warning</System_syslog_host2_priority>
  <System_syslog_host2_port>514</System_syslog_host2_port>
  <System_syslog_host2_ratelimit>0</System_syslog_host2_ratelimit>
  <System_syslog_host3_hostname></System_syslog_host3_hostname>
  <System_syslog_host3_priority>warning</System_syslog_host3_priority>
  <System_syslog_host3_port>514</System_syslog_host3_port>
  <System_syslog_host3_ratelimit>0</System_syslog_host3_ratelimit>
  <System_syslog_facility></System_syslog_facility>
</syslog>
```

**Service Router Settings**

This API provides parity for the following CDSM GUI page.

**Devices>Devices>Device Groups>{SE|DG}>General Settings>Service Router Settings**

Table 2-49 Service Router Settings API calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/srSetting /api/groups/{DG_id}/srSetting	GET	Get Service Router Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	POST	Create Service Router Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Service Router Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Service Router Settings for an SE or a Device Group identified by {SE_id} or {DG_id}.

**Examples**

- Get Service Router Settings

Get Service Router Settings for an SE identified by id 234.

**Request URL:** /api/SEs/234/srSetting

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<srSetting uri="/api/SEs/234/srSetting">
  <System_keepAlive_interval>
    2
  </System_keepAlive_interval>
  <System_keepAlive_snapshotCounterReportInterval>
    10
  </System_keepAlive_snapshotCounterReportInterval>
</srSetting>
```

- Create Service Router Settings

Create Service Router Settings for an SE with id 234.

**Request URL:** /api/SEs/234/srSetting

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<srSetting>
  <System_keepAlive_interval>
    2
  </System_keepAlive_interval>
  <System_keepAlive_snapshotCounterReportInterval>
    120
  </System_keepAlive_snapshotCounterReportInterval>
```

```
</srSetting>
```

**Response XML:** None

- Modify Service Router Settings

Modify Service Router Settings for an SE with id 234. Change the “Snapshot Counter Report Interval” with 80.

**Request URL:** /api/SEs/234/srSetting

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<srSetting>
  <System_keepAlive_interval>
    2
  </System_keepAlive_interval>
  <System_keepAlive_snapshotCounterReportInterval>
    80
  </System_keepAlive_snapshotCounterReportInterval>
</srSetting>
```

**Response XML:** None

- Remove Service Router Settings

Remove Service Router Settings. That means configurations will be reset to factory defaults.

**Request URL:** /api/SEs/234/srSetting

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

## Cache Router

This API provides parity for the following CDSM GUI page.

**Devices>Devices>Device Groups>{SE/DG}>General Settings>Cache Router**

Table 2-50 Cache Router settings API calls

Resource URL	Method	Function Description
/api/SEs/{SE_id}/cacheRouter /api/groups/{DG_id}/cacheRouter	GET	Get Cache Router settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	POST	Create Cache Router settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	PUT	Modify Cache Router settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
	DELETE	Remove Cache Router settings for an SE or a Device Group identified by {SE_id} or {DG_id}.
/api/SEs/{SE_id}/cacheRouter/applyDefault /api/groups/{DG_id}/cacheRouter/applyDefault	POST	Reset Cache Router settings for an SE or a Device Group identified by {SE_id} or {DG_id} to Factory Defaults. Request XML is not required.
/api/SEs/{SE_id}/cacheRouter/applyDG/{DG_id}	POST	Set Cache Router settings for an SE identified by {SE_id} to a Device Group with {DG_id} settings. Request XML is not required.
/api/groups/{DG_id}/cacheRouter/forceSEs	POST	Set Cache Router settings for all SEs those are belonging with a Device Group identified by {DG_id}. Request XML is not required.

**Examples**

- Get Cache Router settings

Get Cache Router settings for an SE identified by id 234.

**Request URL:** /api/SEs/234/cacheRouter

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<cacheRouter uri="/api/SEs/234/cacheRouter">
  <System_cacheRouter_timeout>
    222
  </System_cacheRouter_timeout>
</cacheRouter>
```

- Create Cache Router settings

Create Cache Router settings for an SE with id 234.

**Request URL:** /api/SEs/234/cacheRouter

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<cacheRouter >
  <System_cacheRouter_timeout>
    200
  </System_cacheRouter_timeout>
</cacheRouter>
```

**Response XML:** None

- Modify Cache Router settings

Modify Cache Router settings for an SE with id 234. Change the “Liveness Query Timeout” with 200.

**Request URL:** /api/SEs/234/cacheRouter

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<cacheRouter >
  <System_cacheRouter_timeout>200</System_cacheRouter_timeout>
</cacheRouter>
```

**Response XML:** None

- Remove Cache Router settings

Remove Cache Router settings. That means configurations will be overridden by Device Group if SE belongs to a Device Group in which the configurations have been set, otherwise it will be reset to factory defaults.

**Request URL:** /api/SEs/234/cacheRouter

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

## DNS Based Redirection

This API provides parity for the following CDSM GUI page:

**Devices>Devices>{SR}>Routing Settings>Request Routing Settings>DNS Base Redirection**

Table 2-51 DNS Based Redirection settings API Calls

Resource URL	Method	Function Description
/api/SRs/{SR_id}/dnsRedirection	GET	Get DNS Base Redirection settings of SR identified by {SR_id}.
	PUT	Modify DNS Base Redirection settings of SR identified by {SR_id}.
	POST	Create DNS Base Redirection settings of SR identified by {SR_id}.
	DELETE	Remove DNS Base Redirection settings of SR identified by {SR_id}.

**Examples**

- Get DNS Base Redirection settings

Get DNS Base Redirection settings of SR identified by SR id 234.

**Request URL:** /api/SRs/234/dnsRedirection

**Request Method:** GET

**Request XML:** None

Response XML:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<dnsRedirection uri="SRs/234/dnsRedirection">
  <System_dnsRedirect_basedOnWE_enable>false</System_dnsRedirect_basedOnWE_enable>
  <System_dnsRedirect_domain_all_enable>false</System_dnsRedirect_domain_all_enable>
  <domain_list>
    <domain>aaa.com</domain>
    <domain>bbb.com</domain>
    <domain>ccc.com</domain>
  </domain_list>
</dnsRedirection>
```

- Create or Modify DNS Base Redirection settings

Create or Modify DNS Base Redirection settings of SR identified by SR id 234.

**Request URL:** /api/SRs/234/dnsRedirection

**Request Method:** POST or PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<dnsRedirection uri="SRs/199/dnsRedirection">
  <System_dnsRedirect_basedOnWE_enable>false</System_dnsRedirect_basedOnWE_enable>
  <System_dnsRedirect_domain_all_enable>false</System_dnsRedirect_domain_all_enable>
  <domain_list>
    <domain>aaa.com</domain>
    <domain>bbb.com</domain>
    <domain>ccc.com</domain>
  </domain_list>
</dnsRedirection>
```

**Response XML:** None

## Routing Settings

### Request Routing General Settings

This API provides parity for the following CDSM GUI page.

**Devices>Devices>{SR}>Routing Settings>Request Routing Settings>General Settings**

*Table 2-52 Request Routing General Settings API calls*

Resource URL	Method	Function Description
/api/SRs/{id}/routing	GET	Get Request Routing General Settings for an SR identified by {id}.
	POST	Create Request Routing General Settings for an SR identified by {id}.
	PUT	Modify Request Routing General Settings for an SR identified by {id}.
	DELETE	Remove Request Routing General Settings for an SR identified by {id}.

#### Examples

- Get Request Routing General Settings

Get configurations of Routing Settings for an SR identified by id 421.

**Request URL:** /api/SRs/421/routing

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<routing uri="/api/SRs/421/routing">
  <System_locBasedRouting_enable>false</System_locBasedRouting_enable>
  <System_locBasedRouting_cacheTimeout>691211</System_locBasedRouting_cacheTimeout>
  <System_locBasedRouting_serverType_type>quova</System_locBasedRouting_serverType_type>
  <System_locBasedRouting_serverType_protocol>http</System_locBasedRouting_serverType_protocol>
  <System_locBasedRouting_serverType_service></System_locBasedRouting_serverType_service>
  <System_locBasedRouting_serverType_licenseKey></System_locBasedRouting_serverType_licenseKey>
  <System_locBasedRouting_serverType_apiKey></System_locBasedRouting_serverType_apiKey>
  <System_locBasedRouting_serverType_sharedSecretKey></System_locBasedRouting_serverType_sharedSecretKey>
  <System_locBasedRouting_geoLocServer1_serverIp>1.1.1.1</System_locBasedRouting_geoLocServer1_serverIp>
</routing>
```



```

<System_locBasedRouting_geoLocServer1_port>212</System_locBasedRouting_geoLocServer1_port>
<System_locBasedRouting_geoLocServer1_serviceName></System_locBasedRouting_geoLocServer1_serviceName>
<System_locBasedRouting_geoLocServer1_retry>3</System_locBasedRouting_geoLocServer1_retry>
<System_locBasedRouting_geoLocServer1_timeout>300</System_locBasedRouting_geoLocServer1_timeout>
<System_locBasedRouting_geoLocServer2_serverIp></System_locBasedRouting_geoLocServer2_serverIp>
<System_locBasedRouting_geoLocServer2_port></System_locBasedRouting_geoLocServer2_port>
<System_locBasedRouting_geoLocServer2_serviceName></System_locBasedRouting_geoLocServer2_serviceName>
<System_locBasedRouting_geoLocServer2_retry>3</System_locBasedRouting_geoLocServer2_retry>
<System_locBasedRouting_geoLocServer2_timeout>300</System_locBasedRouting_geoLocServer2_timeout>
<System_contentBasedRouting_enable>>false</System_contentBasedRouting_enable>
<System_contentBasedRouting_redundantCopies>1</System_contentBasedRouting_redundantCopies>
<System_proximityBasedRouting_enable>>false</System_proximityBasedRouting_enable>
<System_proximityBasedRouting_cacheTimeout>1800</System_proximityBasedRouting_cacheTimeout>
<System_proximityBasedRouting_Server0_hostname></System_proximityBasedRouting_Server0_hostname>
<System_proximityBasedRouting_Server0_password></System_proximityBasedRouting_Server0_password>
<System_proximityBasedRouting_Server1_hostname></System_proximityBasedRouting_Server1_hostname>
<System_proximityBasedRouting_Server1_password></System_proximityBasedRouting_Server1_password>
<System_proximityBasedRouting_Server2_hostname></System_proximityBasedRouting_Server2_hostname>
<System_proximityBasedRouting_Server2_password></System_proximityBasedRouting_Server2_password>
<System_proximityBasedRouting_Server3_hostname></System_proximityBasedRouting_Server3_hostname>
<System_proximityBasedRouting_Server3_password></System_proximityBasedRouting_Server3_password>
<System_proximityBasedRouting_Server4_hostname></System_proximityBasedRouting_Server4_hostname>
<System_proximityBasedRouting_Server4_password></System_proximityBasedRouting_Server4_password>
<System_proximityBasedRouting_Server5_hostname></System_proximityBasedRouting_Server5_hostname>
<System_proximityBasedRouting_Server5_password></System_proximityBasedRouting_Server5_password>
<System_proximityBasedRouting_Server6_hostname></System_proximityBasedRouting_Server6_hostname>
<System_proximityBasedRouting_Server6_password></System_proximityBasedRouting_Server6_password>
<System_proximityBasedRouting_Server7_hostname></System_proximityBasedRouting_Server7_hostname>
<System_proximityBasedRouting_Server7_password></System_proximityBasedRouting_Server7_password>
</routing>

```

- Create Request Routing General Settings

Create Request Routing General Settings for an SR with id 421, and without Proximity Server Host configurations.

**Request URL:** /api/SRs/421/routing

**Request Method: POST****Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<routing uri="/api/SRs/421/routing">
  <System_locBasedRouting_enable>false</System_locBasedRouting_enable>
  <System_locBasedRouting_cacheTimeout>691211</System_locBasedRouting_cacheTimeout>
  <System_locBasedRouting_serverType_type>quova</System_locBasedRouting_serverType_type>
  <System_locBasedRouting_serverType_protocol>http</System_locBasedRouting_serverType_protocol>
  <System_locBasedRouting_serverType_service></System_locBasedRouting_serverType_service>
  <System_locBasedRouting_serverType_licenseKey></System_locBasedRouting_serverType_licenseKey>
  <System_locBasedRouting_serverType_apiKey></System_locBasedRouting_serverType_apiKey>
  <System_locBasedRouting_serverType_sharedSecretKey></System_locBasedRouting_serverType_sharedSecretKey>
  <System_locBasedRouting_geoLocServer1_serverIp>1.1.1.1</System_locBasedRouting_geoLocServer1_serverIp>
  <System_locBasedRouting_geoLocServer1_port>212</System_locBasedRouting_geoLocServer1_port>
  <System_locBasedRouting_geoLocServer1_serviceName></System_locBasedRouting_geoLocServer1_serviceName>
  <System_locBasedRouting_geoLocServer1_retry>3</System_locBasedRouting_geoLocServer1_retry>
  <System_locBasedRouting_geoLocServer1_timeout>300</System_locBasedRouting_geoLocServer1_timeout>
  <System_locBasedRouting_geoLocServer2_serverIp></System_locBasedRouting_geoLocServer2_serverIp>
  <System_locBasedRouting_geoLocServer2_port></System_locBasedRouting_geoLocServer2_port>
  <System_locBasedRouting_geoLocServer2_serviceName></System_locBasedRouting_geoLocServer2_serviceName>
  <System_locBasedRouting_geoLocServer2_retry>3</System_locBasedRouting_geoLocServer2_retry>
  <System_locBasedRouting_geoLocServer2_timeout>300</System_locBasedRouting_geoLocServer2_timeout>
  <System_contentBasedRouting_enable>false</System_contentBasedRouting_enable>
  <System_contentBasedRouting_redundantCopies>1</System_contentBasedRouting_redundantCopies>
  <System_proximityBasedRouting_enable>false</System_proximityBasedRouting_enable>
  <System_proximityBasedRouting_cacheTimeout>1800</System_proximityBasedRouting_cacheTimeout>
</routing>
```

**Response XML: None**

- **Modify Request Routing General Settings**

Modify Request Routing General Settings for an SR with id 421. Change the value of the “Location Cache Timeout” with 640000.

**Request URL:** /api/SRs/421/routing

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<routing uri="/api/SRs/421/routing">
  <System_locBasedRouting_enable>false</System_locBasedRouting_enable>
  <System_locBasedRouting_cacheTimeout>640000</System_locBasedRouting_cacheTimeout>
```

```

<System_locBasedRouting_serverType_type>quova</System_locBasedRouting_serverType_type>
<System_locBasedRouting_serverType_protocol>http</System_locBasedRouting_serverType_protocol>
<System_locBasedRouting_serverType_service></System_locBasedRouting_serverType_service>
<System_locBasedRouting_serverType_licenseKey></System_locBasedRouting_serverType_licenseKey>
<System_locBasedRouting_serverType_apiKey></System_locBasedRouting_serverType_apiKey>
<System_locBasedRouting_serverType_sharedSecretKey></System_locBasedRouting_serverType_sharedSecretKey>
<System_locBasedRouting_geoLocServer1_serverIp>1.1.1.1</System_locBasedRouting_geoLocServer1_serverIp>
<System_locBasedRouting_geoLocServer1_port>212</System_locBasedRouting_geoLocServer1_port>
<System_locBasedRouting_geoLocServer1_serviceName></System_locBasedRouting_geoLocServer1_serviceName>
<System_locBasedRouting_geoLocServer1_retry>3</System_locBasedRouting_geoLocServer1_retry>
<System_locBasedRouting_geoLocServer1_timeout>300</System_locBasedRouting_geoLocServer1_timeout>
<System_locBasedRouting_geoLocServer2_serverIp></System_locBasedRouting_geoLocServer2_serverIp>
<System_locBasedRouting_geoLocServer2_port></System_locBasedRouting_geoLocServer2_port>
<System_locBasedRouting_geoLocServer2_serviceName></System_locBasedRouting_geoLocServer2_serviceName>
<System_locBasedRouting_geoLocServer2_retry>3</System_locBasedRouting_geoLocServer2_retry>
<System_locBasedRouting_geoLocServer2_timeout>300</System_locBasedRouting_geoLocServer2_timeout>
<System_contentBasedRouting_enable>>false</System_contentBasedRouting_enable>
<System_contentBasedRouting_redundantCopies>1</System_contentBasedRouting_redundantCopies>
<System_proximityBasedRouting_enable>>false</System_proximityBasedRouting_enable>
<System_proximityBasedRouting_cacheTimeout>1800</System_proximityBasedRouting_cacheTimeout>
</routing>

```

**Response XML:** None

- Remove Request Routing General Settings

Remove Request Routing General Settings for an SR with id 421. That means configurations will be reset to factory defaults.

**Request URL:** /api/SRs/421/routing

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

# Service APIs

## Deliver Service

### Service Engine Settings

This API provides parity for the following CDSM GUI page:

**Service>Service Definition>Delivery Services>{DeliveryServices}>Service Engine Settings**

*Table 2-53 Service Engine Settings API Calls*

Resource URL	Method	Function Description
/api/deliveryServices/{DS_id}/dsvcSeSettings	GET	Get all Service Engine Settings of a Delivery Service identified by {DS_id}.
/api/deliveryServices/{DS_id}/dsvcSeSettings/SEs/{SE_id}	GET	Get the Service Engine Settings of the SE identified by {SE_id} for a delivery service identified by {DS_id}.
	PUT	Modify the Service Engine Settings of the SE identified by {SE_id} for a delivery service identified by {DS_id}.
	DELETE	Remove the Service Engine Settings of the SE identified by {SE_id} for a delivery service identified by {DS_id}.

#### Example

- Get Delivery Service Settings

Get all Service Engine Settings of Delivery Service identified by id 8830.

**Request URL:** /api/deliveryServices/8830/dnsRedirection

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<DsvcSeSettingsList>
  <DsvcSeSettings seid="4026" id="9094" dsid="8830">
    <EnableAbrLive>false</EnableAbrLive>
  </DsvcSeSettings>
  <DsvcSeSettings seid="5984" id="9093" dsid="8830">
```

```

    <EnableAbrLive>true</EnableAbrLive>
    <TmpfsDuration>4</TmpfsDuration>
  </DsvcsSettings>
</DsvcsSettingsList>

```

- Modify Delivery Service Settings

Modify a Service Engine Settings of Delivery Service identified by id 8830.

**Request URL:** /api/deliveryServices/8830/dnsRedirection/4026

**Request Method:** PUT

**Request XML:**

```

<?xml version="1.0" encoding="UTF-8"?>
<DsvcsSettingsInfo>
  <EnableAbrLive>true</EnableAbrLive>
  <TmpfsDuration>5</TmpfsDuration>
</DsvcsSettingsInfo>

```

**Response XML:** None

## Content Deletion

This API provides parity for the following CDSM GUI page.

**Service>Service Definition>Delivery Services>Content Deletion**

*Table 2-54 Content Deletion API calls*

Resource URL	Method	Function Description
/api/contentDeletion/tasks	GET	Get list of all Content Deletion Tasks.
	POST	Create a Content Deletion Task in the system.
	DELETE	Remove all completed tasks.
/api/contentDeletion/task/{id}	GET	Get the details of a Content Deletion Task identified by {id}.
	DELETE	Remove a Content Deletion Task identified by {id}.
/api/contentDeletion/task/{id}/cancel	POST	Cancel a Content Deletion Task identified by id.

### Examples

- Get all Content Deletion Tasks

**Request URL:** /api/contentDeletion/tasks

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<DeletionTasks>
  <DeletionTask id="6024" type="API" ctime="2013.12.06 04:06:28" status="2" />
  <DeletionTask id="6018" type="GUI" ctime="2013.12.03 10:22:00" status="2"
comments="Deletion Task Comments" />
  <DeletionTask id="5991" type="GUI" ctime="2013.12.03 09:27:24" status="2" />
  <DeletionTask id="5976" type="API" ctime="2013.12.02 10:15:32" status="5"
comments="my comment here" />
</DeletionTasks>
```

- Get a Content Deletion Task identified by id.

Get a Content Deletion Task identified by id 4018.

**Request URL:** /api/contentDeletion/Tasks/4018

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<DeletionTask id="4018" type="GUI" sync="false" rate="200"
ctime="2013.11.01 01:50:53" status="2" comments="my comments">
  <ContentDeletions>
    <ContentDeletion url="rtsp://128.0.0.1/a/*">
      <URLDeletion seid="3866" status="17" count="10" />
    </ContentDeletion>
  </ContentDeletions>
  <SEDeletions>
    <SEDeletion seid="3866" sename="49-84"
seip="10.79.49.84" status="2" message="" />
  </SEDeletions>
</DeletionTask>
```

- Create a Content Deletion Task

**Request URL:** /api/contentDeletion/Tasks/

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8"?>
<DeletionRequest sync="true" comments="my comments" rate="20">
  <Content url="http://10.11.11.1/1000.*" >
    <ServiceEngine id="543"/>
  </Content>
  <Content url="http://10.11.11.1/abc.*" >
  </Content>
</DeletionRequest>
```

**Response XML:** None

# Other APIs

## HTTPS General Settings

This API provides parity for the following CDSM GUI page.

**System>Configuration>Https Settings>General Settings**

*Table 2-55 HTTPS General Settings API calls*

Resource URL	Method	Function Description
/api/httpsGenSettings	GET	Get all HTTPS General Settings.
	POST	Create a HTTPS General Settings.
	PUT	Modify a HTTPS General Settings.
	DELETE	Remove a HTTPS General Settings.

### Examples

- Get HTTPS General Settings

Get HTTPS General Settings.

**Request URL:** /api/httpsGenSettings

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<httpsGenSettings uri="/api/httpsGenSettings">
  <System_httpsGen_deliveryStreamingMutualAuth>
    True
  </System_httpsGen_deliveryStreamingMutualAuth>
  <System_httpsGen_deliveryStreamingCipherList>
    DEFAULT
  </System_httpsGen_deliveryStreamingCipherList>
</httpsGenSettings>
```

- Create HTTPS General Settings

Create configurations of HTTPS General Settings with true for **Delivery Streaming Mutual Authentication** and DEFAULT for **Delivery Streaming Supported Cipher List**.

**Request URL:** /api/httpsGenSettings

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<httpsGenSettings uri="/api/httpsGenSettings">
  <System_httpsGen_deliveryStreamingMutualAuth>
    true
  </System_httpsGen_deliveryStreamingMutualAuth>
  <System_httpsGen_deliveryStreamingCipherList>
    DEFAULT
  </System_httpsGen_deliveryStreamingCipherList>
```

```
</httpsGenSettings>
```

**Response XML:** None

- Modify HTTPS General Settings

Modify configurations of HTTPS General Settings with true for **Delivery Streaming Mutual Authentication** and DEFAULT for **Delivery Streaming Supported Cipher List**.

**Request URL:** /api/httpsGenSettings

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<httpsGenSettings uri="/api/httpsGenSettings">
  <System_httpsGen_deliveryStreamingMutualAuth>
    true
  </System_httpsGen_deliveryStreamingMutualAuth>
  <System_httpsGen_deliveryStreamingCipherList>
    DEFAULT
  </System_httpsGen_deliveryStreamingCipherList>
</httpsGenSettings>
```

**Response XML:** None

- Remove HTTPS General Settings

Remove configurations of HTTPS General Settings. That means Sets false for **Delivery Streaming Mutual Authentication** and keeps empty for **Delivery Streaming Supported Cipher List**.

**Request URL:** /api/httpsGenSettings

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

## CRL File Schedule

This API provides parity for the following CDSM GUI page.

**System>Configuration>HTTPS Settings>CRL File Schedule**

*Table 2-56 CRL File Schedule Tasks API calls*

Resource URL	Method	Function Description
/api/crlScheduleTasks	GET	Get all CRL File Schedule Tasks.
	POST	Create a CRL File Schedule Task.



Table 2-56 CRL File Schedule Tasks API calls

Resource URL	Method	Function Description
/api/crlScheduleTasks/{id}	GET	Get a CRL File Schedule Task identified by {id}.
	PUT	Modify a CRL File Schedule Task identified by {id}.
	DELETE	Remove a CRL File Schedule Task identified by {id}.

**Examples**

- Get CRL File Schedule Tasks

Get list of all CRL File Schedule Tasks.

**Request URL:** /api/crlScheduleTasks

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<crlScheduleTasks uri="/api/crlScheduleTasks">
  <crlScheduleTasks-row id="471" uri="/api/crlScheduleTasks/471">
    <triggerTime>4/18/2014 17:14:47</triggerTime>
    <isImmediate>0</isImmediate>
    <isExpired>0</isExpired>
    <serviceEngines>234</serviceEngines>
  </crlScheduleTasks-row>
</crlScheduleTasks>
```

- Create CRL File Schedule Task

Create a CRL File Schedule Task for an SE with id 234. When an SE is assigned to a ” and this task is in **Active** status, then this SE cannot be assigned to other Tasks.

**Request URL:** /api/crlScheduleTasks

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<crlScheduleTasks>
  <triggerTime>5/1/2014 17:14:47</triggerTime>
  <isImmediate>0</isImmediate>
  <isExpired>0</isExpired>
  <serviceEngines>234</serviceEngines>
</crlScheduleTasks>
```

**Response XML:** None

- Modify CRL File Schedule Task

Modify a CRL File Schedule Task identified by id 239.

**Request URL:** /api/crlScheduleTasks/239

**Request Method:** PUT

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<crlScheduleTasks>
  <triggerTime>5/2/2014 17:14:47</triggerTime>
  <isImmediate>0</isImmediate>
  <isExpired>0</isExpired>
  <serviceEngines>234</serviceEngines>
</crlScheduleTasks>
```

**Response XML:** None

- Remove CRL Schedule Task

Remove a CRL Schedule Task identified by id 239.

**Request URL:** /api/crlScheduleTasks/239

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

## Show Commands

This API provides parity for the following CDSM GUI page:

**Devices>Devices>Monitoring>Show/Clear Commands/Show Commands**

*Table 2-57 Show Commands API Calls*

Resource URL	Method	Function Description
/api/cli/show	POST	Execute show command on a specified device.

### Examples

- Execute a Show command

**Request URL:** /api/cli/show

**Request Method:** POST

**Request XML:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<CliExec cli="show alarms">
  <device id="165" />
  <device id="215" />
</CliExec>
```

**Response XML:** None

```
<CliExecResponse cli="show alarms">
<device message="Executed" status="1" ip="10.79.53.183" id="165">
<!-- the output of the cli command -->
</device>
<device message=" CLI not executed, device offline." status="2" ip="10.79.53.182"
id="215" />
</CliExecResponse>
```

## File Management

This API calls are used to manage all file types.

*Table 2-58 File Management API calls*

Resource URL	Method	Function Description
/api/FileMgmt/types	GET	Get all file types.
/api/FileMgmt/files;type={type}	GET	List all files identified by {type}.
	POST	Create a new file with given {type}.
/api/FileMgmt/files;type={type}/{id}	GET	Get a file identified by {type} and {id}.
	PUT	Modify a file identified by {type} and {id}.
	DELETE	Remove a file identified by {type} and {id}.
/api/FileMgmt/validate;type={type}	GET	Validate all files identified by {type}.
/api/FileMgmt/validate;type={type}/{id}	GET	Validate a file identified by {type} and {id}.
/api/FileMgmt/refetch;type={type}/{id}	GET	Re-fetch a file identified by {type} and {id}.

### Examples

- Get all file types

**Request URL:** /api/FileMgmt/types

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8"?>
<fileMgmt uri="/api/fileMgmt">
  <result message="Show all supported file types" status="success"/>
  <types>
    <type value="1">Coverage Zone File</type>
    <type value="17">Geo/IP File</type>
    <type value="19">CDN Selector File</type>
    <type value="20">Service Rule File</type>
    <type value="22">NAS File</type>
    <type value="26">Root CA File</type>
    <type value="27">CRL File</type>
  </types>
</fileMgmt>
```

- Get files identified by type

Get the files identified by type 19 (CDN Selector File).

**Request URL:** /api/FileMgmt/files?type=19

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8"?>
<fileMgmt uri="/api/fileMgmt">
<result message="4 CDN Selector Files are displayed." status="success"/>
  <file type="19" id="560">
    <originUrl>CDNFile1 </originUrl>
    <destName>CDNFile1 </destName>
    <username>null</username>
    <password>null</password>
    <ttl>10</ttl>
  </file>
  <file type="19" id="554">
    <originUrl>CDNFile2</originUrl>
    <destName>CDNFile2</destName>
    <username>null</username>
    <password>null</password>
    <ttl>10</ttl>
  </file>
  <file type="19" id="555">
    <originUrl>CDNFile3</originUrl>
    <destName>CDNFile3</destName>
    <username>null</username>
    <password>null</password>
    <ttl>10</ttl>
  </file>
</fileMgmt>
```

- Get file identified by type and file id.

Get a file identified by file type 19 and file id 560

**Request URL:** /api/FileMgmt/files?type=19/560

**Request Method:** GET

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8"?>
<fileMgmt uri="/api/fileMgmt">
<result message="1 CDN Selector File is displayed." status="success"/>
  <file type="19" id="560">
    <originUrl>CDNFile1</originUrl>
    <destName>CDNFile1</destName>
    <username>null</username>
    <password>null</password>
    <ttl>10</ttl>
  </file>
</fileMgmt>
```

- Remove a file identified by file type and id

Remove a file identified by file type 19 and file id 560.

**Request URL:** /api/FileMgmt/files?type=19/560

**Request Method:** DELETE

**Request XML:** None

**Response XML:** None

- Validate files identified by file type and id

This example tries to re-fetch a file identified by type 19 and id 560, but this file is invalid file. So that we get a response with “fail” status.

**Request URL:** /api/FileMgmt/validate?type=19/560

**Request Method:** POST

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8"?>
<fileMgmt uri="/api/fileMgmt">
  <result message="Invalid File" status="fail"/>
  <error message="ERROR: Parser Fatal Error at (line 1, char 1): An exception
occurred! Type:UTFDataFormatException, Message:invalid byte 1 () of a 1-byte
sequence."/>
</fileMgmt>
```

- Re-fetch a file identified by type and id

This example tries to re-fetch a file identified by type 19 and id 560, but this file is an uploaded file cannot be re-fetched. So that we get a response with “fail” status.

**Request URL:** /api/FileMgmt/refetch?type=19/560

**Request Method:** POST

**Request XML:** None

**Response XML:**

```
<?xml version="1.0" encoding="UTF-8"?>
<fileMgmt uri="/api/fileMgmt">
  <result message="Uploaded file could not be refetched" status="fail"/>
  <error message="Uploaded file could not be refetched"/>
</fileMgmt>
```

