



CHAPTER 4

Listing APIs

This chapter describes the Listing APIs and the servlet actions they perform.

Listing API Actions

The Listing API is the ListingApiServlet. If there is a list inside the object, the listed items are printed as elements of the object.

Some of the output fields are not used for the following actions:

- getSEs
- getDeliveryServices
- getContentOrigins

Table 4-1 lists the unused output fields.

Table 4-1 Output Fields Not Used in the CDS

Schema Object	Unused Field	Comment
CeConfig	TftpDirectoryListingId	“CeConfig” is mapped to the “Service Engine” schema object.
	WccpConfig	
	TftpProxyList: <list name="TftpProxyList" type="TftpProxy" size="0"/> WccpRouterListsPerCeForDg : <list name="WccpRouterListsPerCeForDg" type="WccpRouterListPerCeForDg" size="0" />	TFTP and WCCP are not used. Although “TftpDirectoryListingId,” “TftpProxyList,” and “WccpRouterListsPerCeForDg” can be queried by API, they are not used in the CDS.
Website	ContentProvidId	“Website” is mapped to the “content origin” schema object. Content Provider and CIFS configurations are not used. Although “ContentProvidId” and “CifsWebsites” can be queried by API, they are not used in the CDS.
	CifsWebsites: <list name="ChannelMCasts" type="ChannelMCast" size="0" />	

Table 4-1 Output Fields Not Used in the CDS (continued)

Schema Object	Unused Field	Comment
Channel	MCastEnabled	“Channel” is mapped to the “delivery service” schema object.
	ChannelMCasts: <list name="ChannelMCasts" type="ChannelMCast" size="0" />	Content Provider and multicast configurations are not used. Although “MCastEnabled,” and “ChannelMCasts” can be queried by API, they are not used in the CDS.

Syntax

https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet...

This servlet performs one or more of the following actions:

- [getContentOrigins](#)
- [getDeliveryServices](#)
- [getSEs](#)
- [getClusters](#)
- [getLocations](#)
- [getDeviceGroups](#)
- [getDeviceStatus](#)
- [getObjectById](#)
- [getObjectByName](#)
- [getPrograms](#)
- [getPgmMcastAddrInUse](#)
- [getMcastAddrInUse](#)

getContentOrigins

Lists selected content origin names or lists every content origin.

Parameter

Either a list of content origin names or the keyword **all** is required.

Return

A list of all content origins specified and their details.

Syntax

https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action=getContentOrigins¶m=all | <contentOrigin_name>, <contentOrigin_name>, ...

getDeliveryServices

Lists selected delivery service names and related content origin ID or lists all delivery services.

Parameter

A list of delivery service names with related content origin IDs, a Service Engine ID, a program ID, or the keyword **all** is required.

Return

A list of all delivery services specified and their details.

Syntax

```
https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action=
getDeliveryServices&param=all | [name=<contentOrigin_ID>:(all | <deliveryService_name>) ... |
se=<seConfig_ID> | program=<playlist_ID>
```

getSEs

Lists selected Service Engines by Service Engine name, delivery service, or location, or lists all Service Engines. When Service Engines are listed by location, all Service Engines in the given location and all Service Engines (child, grandchild, and so forth) in the subordinate locations are listed.

Parameter

A list of Service Engine names, a delivery service ID, a location ID, or the keyword **all** is required.

Return

A list of all Service Engines specified and their details.

Syntax

```
https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action=getSEs&param=
all | [name=<se_name>, <se_name>, ... | deliveryService=<deliveryService_ID> |
location=<location_ID>
```

getClusters

Lists selected cluster names or lists every cluster.

Parameter

Either a list of cluster IDs or the keyword **all** is required.

Return

A list of all clusters specified and their details.

Syntax

```
https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action= getClusters&
param=all | <Cluster_ID>, <Cluster_ID>, ...
```

getLocations

Lists the location of the specified Service Engines or the locations of all Service Engines.

Parameter

Either the Service Engine ID or the keyword **all** is required.

Return

The requested location record.

Syntax

```
https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action=getLocations&
param=all | bySeId=<SE_ID>
```

getDeviceGroups

Lists selected device group names or lists all device groups.

Parameter

Either a list of device group names or the keyword **all** is required.

Return

A list of all device groups specified and their details.

Syntax

```
https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action=
getDeviceGroups&param=all | <device_group_name>, <device_group_name>, ...
```

getDeviceStatus

Lists the status of a device by name.

Parameter

Name of the device that contains the ID of the device or device group.



Note

The name of the device is case sensitive.

Return

A list of devices and their status.

Syntax

```
https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.DeviceApiServlet?action=
getDeviceStatus[&name=<device_ID> | <deviceGroup_ID>]
```

getObjectById

Lists an object, based on its string ID.

Parameter

Object string ID

The following are the object types:

- Service Engine
- Delivery service
- Cluster
- Device group
- Content origin
- Program

Return

The requested object.

Syntax

```
https://<cismIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action= getObjectById&param=<SE_ID | DeliveryService_ID | Cluster_ID | DeviceGroup_ID | ContentOrigin_ID | Playlist_ID>
```



Note

This API is restricted based on permissions granted to the specified user requesting the API. The CDSM allows assignment of API access rights to any user. A user with administrator's privileges bypasses the authentication. For other users, this API is accessed by granting particular rights in the CDSM AAA system.

getObjectByName

Lists an object, based on its name.

Parameter

Object type:object name

The following are the object types:

- Service Engine
- Delivery service
- Device group
- Content origin
- Program

The delivery service name format is content origin name:delivery service name.

Return

The requested object.

Syntax

```
https://<cdsMIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action=
getObjectByName&param=SE:<seName>|DeliveryService:<deliveryServiceName>|DG:<dgName>|
ContentOrigin:<contentOriginName>|Program:<programName>
```

**Note**

If the type of object is a program, you must have administrator-level access privileges to execute this action, or have user-specific access rights granted for this API.

getPrograms

Lists all programs specified or all programs and their details.

Parameter

A list of program types, program names, delivery service ID, or program ID, or the keyword **all** is required.

Return

A list of all programs specified and their details.

Syntax

```
https://<cdsMIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?action=getPrograms&para
m=all|type=<wmt|movieStreamer>|name=<program_name>,<program_name>,...|
deliveryService=<deliveryServiceID>|id=<playlist_ID>,<playlist_ID>...
```

**Note**

You must have administrator-level access privileges to execute this action, or have user-specific access rights granted for this API.

getPgmMcastAddrInUse

Lists all multicast addresses currently in use by programs.

Parameter

None.

Return

A list of all the multicast addresses currently in use by programs.

Syntax

```
https://<cdsMIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?
action=getPgmMcastAddrInUse
```

**Note**

You must have administrator-level access privileges to execute this action, or have user-specific access rights granted for this API.

getMcastAddrInUse

Lists all multicast addresses currently in use.

Parameter

None.

Return

A list of all the multicast addresses currently in use.

Syntax

```
https://<cdsmIpAddress>:8443/servlet/com.cisco.unicorn.ui.ListApiServlet?  
action=getMcastAddrInUse
```

**Note**

You must have administrator-level access privileges to execute this action, or have user-specific access rights granted for this API.
