



MSE API Object Descriptions

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maps

The maps object returns detailed map information about campuses, buildings, floors, access points, map dimensions, regions, zones, GPS marker, image information, etc.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

None

Response Types

JSON, XML

Return Codes

- 200—Successful response
- 404—MSE does not have any Map information
- 500—Server Error

mapscount

The mapscount returns maps count specifying the number of Campuses, Buildings, and Floors known to MSE.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

None

Response Types

JSON, XML

Return Codes

- 200—Successful response
- 500—Server Error

mapsinfo

The mapsinfo object returns all the floor information associated with the campusName -> buildingName -> floorName. This includes floor dimension, Access Points and their information, GPS Markers etc.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- floorname—Name of the required floor
- buildingname—Name of the required building
- campusname—Name of the required campus

Response Types

JSON, XML

Return Codes

- 200—Successful response
- 404—No floor with the specified campusName -> buildingName -> floorName
- 500—Server Error

mapsimage

The mapsimage object returns the floor image data associated with the particular campusName -> buildingName -> floorName.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- floorname—Name of the required floor
- buildingname—Name of the required building
- campusname—Name of the required campus

Response Types

image/jpeg

Return Codes

- 200—Successful response
- 404—No image with the specified campusName -> buildingName -> floorName
- 500—Server Error

mapsimagesource

The mapsimagesource object returns the image associated with the specified image name.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- imageName—Name of the required image.

Response Types

image/jpeg

Return Codes

- 200—Successful response
- 404—No image with the specified imagename
- 500—Server Error

locationclients

The location clients object returns the current location of the wireless client for the specified device ID. The ID can be MAC address, IP address, or Username.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—Mac address, IP Address, or Username of the wireless client.
- Zones—Contains zone information for the selected location,

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there is no wireless client for the specified ID.No image with the specified imagename
- 500—Server Error

locationclientscount

The locationclientscount object returns count or location of wireless clients on the MSE. Results are filtered based on the specified query param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the wireless client.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationtags

Returns the location of Tag for the specified query condition.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC Address of the tag
- Zones—Contains zone information for the location.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there are no tags for the specified query conditions.
- 500—Server Error

locationtagscount

The location tags count object returns a count of Tags on MSE based on the specified Query Param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the tag.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationrogueaps

Returns the location of Rogue APs for the specified query conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC Address of the rogue AP
- Zones—Contains zone information for the specified location.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there are no Rogue APs for the specified query conditions.
- 500—Server Error

locationroguapscount

Returns a count of Rogue APs on MSE based on the specified Query Param conditions.

Returns a list of Location of Rogue APs for the specified query conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC Address of the rogue AP
- Zones—Contains zone information for the specified location.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationroguclients

Returns location of Rogue Client for the specified id.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC address of the rogue client.

- Zones—Contains zone information for the specified location.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there is no rogue client for the specified id.
- 500—Server Error

locationrogueclientscount

Returns a count of Rogue Clients on MSE based on the specified Query Param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the rogue client.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationinterferers

Returns the Location of Interferer for the specified id.

Returns a count of Rogue Clients on MSE based on the specified Query Param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC address, IP Address, or Username of the wireless client.
- zones—Contains zone information for this location.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there is no interferer for the specified ID.
- 500—Server Error

locationinterfererscount

Returns a count of Interferers on MSE based on the specified Query Param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the interferers.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationhistoryclients

Returns a list of historical Location records of Wireless Client for the specified id and query conditions.

**Note**

If the Cisco Mobility Services Engine (MSE) is in a Demilitarized Zone (DMZ) and is NATed to an externally routable address on the Internet, then the nextResourceURI may not have the correct IP address in the MSE API response. The workaround to handle this scenario is to have the API consumer or the Client Application to construct the nextResourceURI by replacing IP address with the correct IP address.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC address, IP address, or username of the wireless client.
- []—Defines query conditions for the wireless client

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there are no historical records of wireless client for the specified ID and query conditions
- 500—Server Error

locationhistoryclientscount

Returns a count of historical Location records of Wireless Clients on MSE based on the specified Query Param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the wireless client.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationhistorytags

Returns a list of the historical Location records of Tag for the specified id and query conditions

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC address of the tag
- []—Defines query conditions for the tag.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there are no historical records of tag for the specified ID and query conditions.
- 500—Server Error

locationhistorytagscount

Returns a count of historical location records of Tags on MSE based on the specified Query Param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the interferers.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationhistoryrogueaps

Returns a list of historical records of Location of Rogue APs for the specified query conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC Address of the Rogue AP
- []—Defines query conditions for the rogue AP.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there are no historical records of Rogue APs for the specified query conditions.
- 500—Server Error

locationhistoryrogueapscount

Returns a count of historical Location records of Rogue APs based on the specified Query Param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the rogue AP.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationhistoryrogueclients

Returns a list of historical Location records of Rogue Clients for the specified query conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC Address of the rogue client
- []—Defines query conditions for the rogue client.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there are no historical records of rogue clients for the specified query conditions.
- 500—Server Error

locationhistoryrogueclientscount

Returns a count of Historical Location records of Rogue Clients on MSE based on the specified Query Param conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the rogue client.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 500—Server Error

locationhistoryinterferers

Returns a list of historical Location records of Interferers for the specified query conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- id—MAC address of the interferer.
- []—Defines query conditions for the interferer

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there are no Historical Location records of Interferer for the specified query conditions.
- 500—Server Error

locationhistoryinterfererscount

Returns a count of historical Location records of Interferers for the specified id and query conditions.

HTTP Method

GET

Accepts

- application/json
- application/xml

Parameters

- []—Defines query conditions for the interferers.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404— If there are no historical records of Interferer for the specified id and query conditions
- 500—Server Error

notifications

HTTP Method

GET—Returns all the Notifications Events subscribed by the requesting user.

Accepts

- application/json
- application/xml

Parameters

- name—The name of the Notification Event subscribed.

Response Types

XML and Json

Return Codes

- 200—Successful response
- 404—If there are no Notification Events subscribed by the requesting user.
- 500—Server Error

