Firepower REST API Quick Start Guide, Version 6.1

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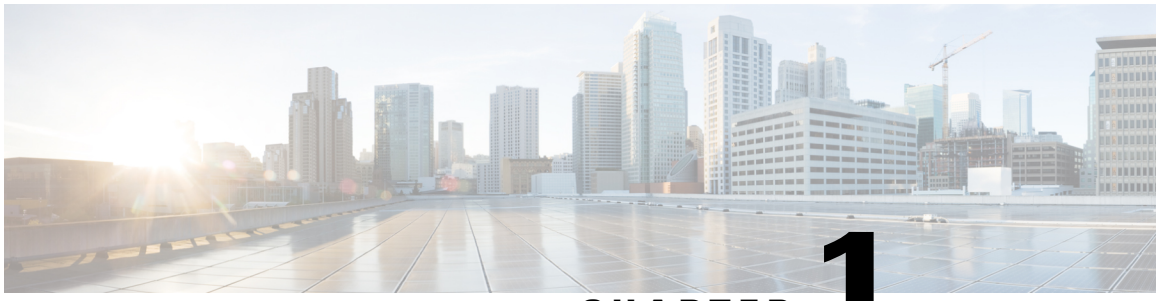

CHAPTER 1

About the Firepower REST API

The Firepower REST API provides a lightweight API to manage a Firepower Management Center.

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- Enabling the REST API, page 1
- Best Practices, page 2

About the Firepower REST API

With the release of Cisco's Firepower REST API, you now have light-weight, easy-to-use option for managing Firepower Threat Defense and legacy Firepower devices through a Firepower Management Center.

The REST API is an application programming interface (API), based on "RESTful" principles, which you can quickly enable on any Firepower Management Center running version 6.1 or higher, and use with a REST client.

After installing a REST client, you can contact the specific Firepower Management Center's REST agent and use standard HTTP methods to access current configuration information, and issue additional configuration parameters.

Enabling the REST API

In Firepower Management Center, the REST API is enabled by default. However, if you are intending to use the REST API, you should confirm that it is enabled.

If you are using UCAPL mode, check that the REST API is not enabled.

Procedure

Step 1 Navigate to System>Configuration>REST API Preferences>Enable REST API

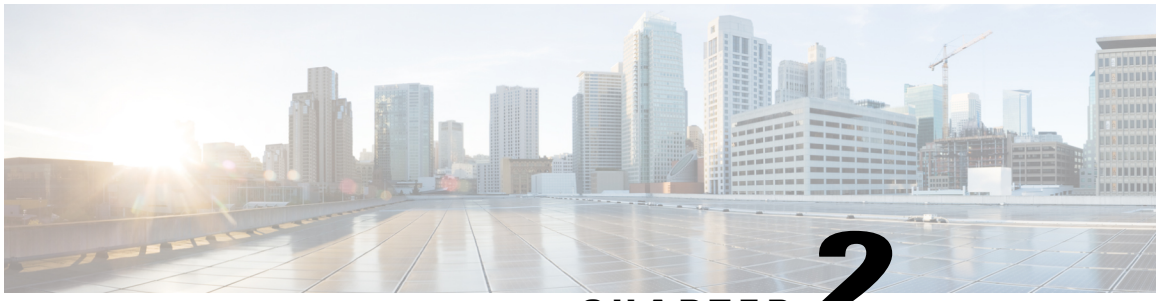
Step 2 Check the "Enable REST API" checkbox.

Step 3 Click "Save". A box saying "Save Successful" will display when the REST API is enabled.

Best Practices

Cisco recommends the following best practices for optimal results with the REST API:

- Keep UI users and script users separate. Especially do not use the admin account as an API user.
- Do not give script users more privilege than needed.
- Always validate the content coming from the server.
- Validate/sanitize JSON content, as it may include embedded executable code.
- If you are using UCAPL mode you should disable REST API access to the Firepower Management Center



CHAPTER 2

About the API Explorer

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About the API Explorer

The API Explorer provides a limited interface for the REST API as well as giving a view of the abilities of the REST API.

The API Explorer resides on the Firepower Management Center, and can be accessed via the Firepower Management Center at:

https://<management_center_IP_or_name>:<https_port>/api/api-explorer

This explorer provides the list of APIs available on the Firepower Management Center, and their details.

Authentication to the API Explorer

The REST API relies on the same authentication as the Firepower Management Center. Each function in the REST API maps to permissions in the Firepower Management Center.

You can log into the API Explorer using any account on the Firepower Management Center, but you will only be able to perform the functions for which the account has permissions. For more information on setting permissions for user roles, see the *Firepower Management Center Configuration Guide*.

The first time you connect to the API Explorer you may receive an error that the connection is not secure due to an invalid certificate. You will need to add an exception in your browser to use the certificate and accept the connection.

Logging into API Explorer

The REST API uses the same authentication and permission model as the Firepower Management Center. See the *Firepower Management Center Configuration Guide* for more information.

Before You Begin

Make sure you have an account on your Firepower Management Center with the required permissions to perform the tasks you want to perform using the REST API.

Procedure

Step 1 Navigate to the following URL: https://<management_center_IP_or_name>:<https_port>/api/api-explorer

Step 2 Log in with your username and password and click "Sign In"

What to Do Next

Locate the desired resource and request.

Setting the Domain

The REST API can perform functions globally, in the default domain, or in specific domains.

Before You Begin

You must have a configured Firepower Management Center, an account with permissions to access the REST API in one or more domains configured on your FMC.

Procedure

In the upper right, drop down the **Domains** menu and select the desired domain.

What to Do Next

Locate the desired resource and request type.

Obtaining Sample Code

You can use the Export Operation button in API Explorer to save the displayed method example as a Python or Perl script file to your local host. This script can be used to make that REST call, and can be integrated into your application. This is meant primarily as an educational and bootstrapping tool.

- Python: The Python scripts require you to install Python, available from https://www.python.org/. Once you've installed Python, you can run your script with python script.py username password.
- Perl: Using the Perl scripts requires some additional set-up—you need five components:

- Perl package, found at http://www.perl.org/
- Bundle::CPAN, found at http://search.cpan.org/~andk/Bundle-CPAN-1.861/CPAN.pm
- REST::Client, found at http://search.cpan.org/~mcrawfor/REST-Client-88/lib/REST/Client.pm
- MIME::Base64, found at http://perldoc.perl.org/MIME/Base64.html
- JSON, found at http://search.cpan.org/~makamaka/JSON-2.90/lib/JSON.pm

Obtaining Sample Code

The API Explorer can create sample code in Python and Perl to aid in creating a REST API client.

Before You Begin

You must have a configured Firepower Management Center and an account on that center with the permissions required to use the desired REST API functions.

Procedure

Step 1 Select the resource where you want to obtain sample code from the API INFO menu.

Step 2 Locate the desired function and select DELETE, PUT, POST, or GET.

Step 3 Select and input all other parameters for the desired function. This will vary depending on the function.

Step 4 On the right, drop down the menu for "Export operation in" and select "Python script" or "Perl script".

Step 5 The sample code will pop up in a new window. Cut and paste this code to use in your REST API client.

What to Do Next

Use this sample code to implement your own REST API client.

Viewing API Parameters

Each resource has a set of parameters and fields associated with it. You can view the parameters and fields by performing any of the supported operations for that resource within API Explorer.

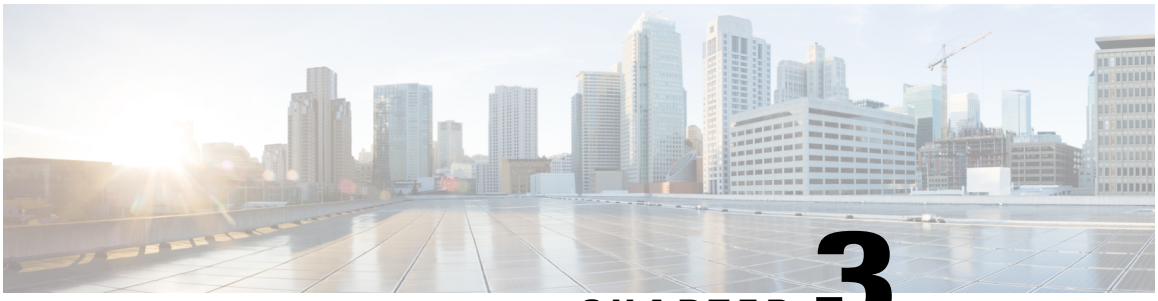
Before You Begin

You must have a configured Firepower Management Center and an account on that center with the permissions required to use the desired REST API functions.

Procedure

Step 1 Select the desired resource.

Step 2 Select one of the supported operations for that resource.



CHAPTER 3

Connecting with a Client

You can access the REST API using any REST API client. Typically REST API clients are available as browser plugins, but any REST API client is allowed.

Note If connecting to the REST API for the first time, you will receive a certificate warning. You need to accept the certificate in order to use the REST API.

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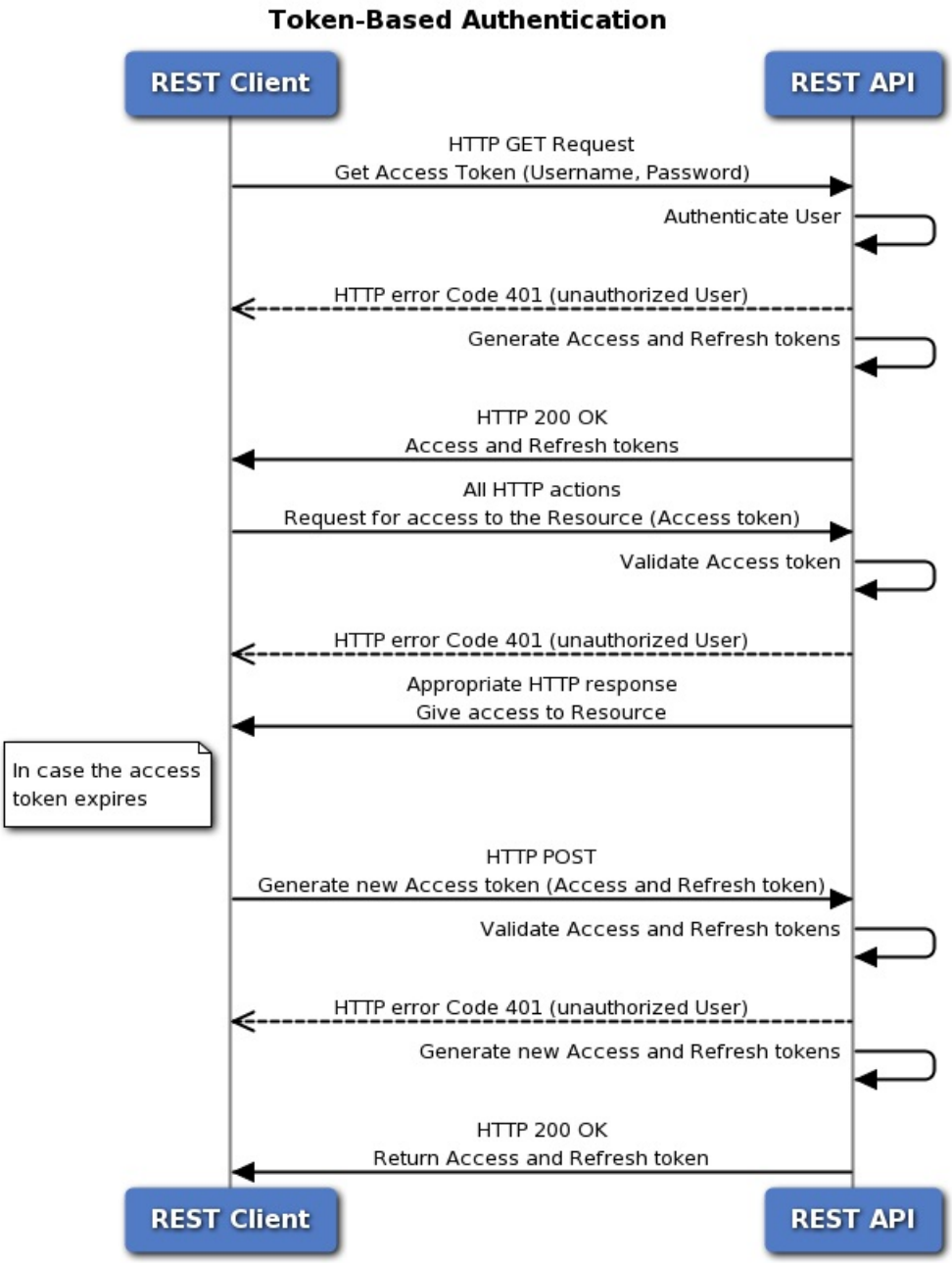
Authentication from a REST API Client

Cisco recommends that you use different accounts for interfacing with the API and the Firepower User Interface. Credentials cannot be used for both interfaces simultaneously, and will be logged out without warning if used for both.

The first time you connect to the REST API you may receive an error that the connection is not secure due to an invalid certificate. Add an exception in your browser to use the certificate and accept the connection.

With Token Based Authentication you obtain a token by providing your username and password. You use this token to access an HTTP service for a limited time period without the need for the username and password with every request. In other words, to eliminate the need for authenticating with your username and password with each request, you replace user credentials with a uniquely generated access token, which you use for accessing resources for up to 30 minutes and can refresh up to three times.

The diagram below illustrates the concept of token-based authentication:



Requesting an Authentication Token

The Token Generation Utility provides an authentication token which can be used in your REST API client.

Before You Begin

You must have a configured Firepower Management Center and an account on that center with credentials to use the REST API. You must also have a REST API Client which can perform basic authentication.

Procedure

Step 1 Open your REST API Client.

Step 2 Set the client to make a POST command to the following URL: https://<management_center_IP_or_name>/api/fmc_platform/v1/auth/generatetoken.

Step 3 Include the username and password as a basic authentication header. The POST body should be blank.

What to Do Next

Add the header **X-auth-access-token:<authentication token value>** in requests to the API.

Add the headers **X-auth-access-token:<authentication token value>** and **X-auth-refresh-token:<refresh token value>** in requests to refresh the token as described in Refreshing an Authentication Token, on page 9

Refreshing an Authentication Token

Firepower Management Center REST API authentication tokens are valid for 30 minutes, and can be refreshed up to three times.

Before You Begin

Obtain valid authentication and refresh tokens from the Firepower Management Center REST API. Ensure these tokens have been refreshed less than three times.

Procedure

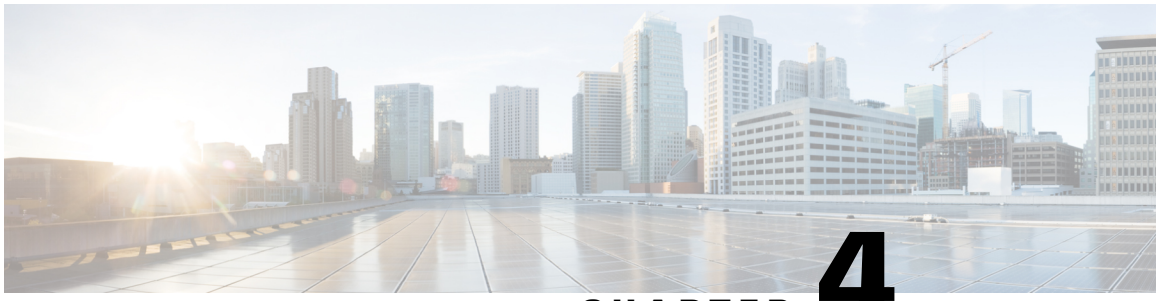
Step 1 Open your REST API Client.

Step 2 Set the client to make a POST command to the following URL: https://<management_center_IP_or_name>/api/fmc_platform/v1/auth/refreshtoken with the headers **X-auth-access-token:<authentication token value>** and **X-auth-refresh-token:<refresh token value>**.

What to Do Next

Add the header **X-auth-access-token:<new authentication token value>** in requests to the API.

Add the header **X-auth-refresh-token:<new refresh token value>** in requests to refresh the token.



CHAPTER 4

Objects in the REST API

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Request Structure

Request Structure:

Requests are sent to the Firepower Management Center as HTTPS requests with the Uniform Resource Identifier (URI) of the form described below:

`https://<management_center_IP_or_name>:<https_port>/<object_URL>/object_UUID`*`options`*

Where:

- `<management_center_IP_or_name>`
  is the IP address or Fully Qualified Domain Name of the Firepower Management Center
- `<https_port>`
  is the port number used by the Firepower Management Center for HTTPS connections. This port is always 443.
- `<object_URL>`
  is the specific URL for the desired resource. These URLs are unique for each resource and are given below.
- *`options`*
  are the options given with the request. Options can be used to modify the output and filter results.
- *`{UUID}`*
  Many URLs contain one or more UUIDs which must be specified. Most URLs include the domain UUID, which can be found in the API Explorer. When deleting or modifying an object, or requesting information about a specific object, the URL will end with the object UUID.

Available request methods are:

- `GET`
  – Retrieves data from the specified object. GET is a read-only operation.
- `PUT`
  – Adds the supplied information to the specified object; returns a 404 Resource Not Found error if the object does not exist.

Note Currently PUT may be used to create a new object, but this ability may be removed in later releases. Use POST to create new objects and PUT to modify existing objects.

- `POST`
  – Creates the object with the supplied information.
- `DELETE`
  – Deletes the specified object.
- `PATCH`
  – Not supported.

The API supports query parameters for almost all requests. For GET requests, the following query parameters can be used to control the number of of returned objects and the pagination:

- `expanded`
  - This is a True/False value which indicates whether you get a full listing of an item in a list or only a reference.
- `offset`
  - Indicates the position in the list where you want to start.
- `limit`
  - Indicates the number of items you want to retrieve in a page.

The API supports filtering on the basis of query parameters passed with a request. Filtering can be done based on specific attributes in a model. The parameters available for filtering vary by object, and are listed with the request below.

Response Structure

Note The REST API will only serve 25 results per page. This can be increased up to 1000 using the limit query parameter.

The response structure can be:

- LOCATION – Newly created resource ID; for POST only—holds the new resource ID (as a URI representation).
- CONTENT-TYPE – Media type describing the response message body; describes the representation and syntax of the response message body.
- Each response includes an HTTP status or error code. Available codes fall into these categories:
- 20x - A two-hundred series code indicates successful operation, including:
- `200 OK`
  – Standard response for successful requests.
- `201 Created`
  – Request completed; new resource created.
- `202 Accepted`
  – Request accepted, but processing not complete.
- `204 No Content`
  – Server successfully processed request; no content is being returned.
- 4xx - A four-hundred series code indicates a client-side error, including:
- `400 Bad Request`
  – Invalid query parameters, including unrecognized parameters, missing parameters, or invalid values.
- `404 Not Found`
  – The provided URL does not match an existing resource. For example, an HTTP DELETE may fail because the resource is unavailable.
- `405 Method not Allowed`
  – An HTTP request was presented that is not allowed on the resource; for example, a POST on a read-only resource.
- `429 Too Many Requests`
  – Too many requests were sent to the API. This error will occur if you send more than 120 requests per minute.
- 5xx - A five-hundred series code indicates a server-side error.

In the case of an error, in addition to the error code, the return response may include an error object containing more details about the error. The JSON error/warning response schema is as follows:

```
[
{ “code” : “string”,
“details”: “string”,
“context”: attribute name,
“level” : <Error/Warning/Info>
},

...
]
```

where the object properties are:

Table 1: Object Properties

Property	Type	Description
messages	List of Dictionaries	List of error or warning messages
code	String	Error/Warning/Info code
details	String	Detailed message corresponding to Error/Warning/Info

Rate Limiting

The Firepower REST API implements rate limiting to reduce network load.

The API will accept no more than 120 messages in a minute. It will only allow 10 simultaneous connections per IP address. These are not configurable parameters.

If a client exceeds these limits, the API will give an HTTP 429 error.

Audit Services

GET auditrecords

Request Type: **GET**

Description: Retrieves audit records.

URL: /api/fmc_config/v1/domain/{domain_UUID}/audit/auditrecords

Permissions: System > Monitoring > Audit

Parameters available for filtering: username, subsystem, source, starttime, endtime

Deployment Services

GET deployabledevices

Request Type: **GET**

Description: Retrieves list of all devices with configuration changes, ready to be deployed.

URL: /api/fmc_config/v1/domain/{domain_UUID}/deployment/deployabledevices

Permissions: Deploy Configuration to Devices

Parameters available for filtering: name

POST deploymentrequests

Request Type: **POST**

Description: Creates a request for deploying configuration changes to the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/deployment/deploymentrequests/{object_UUID}

Permissions: Deploy Configuration to Devices

Device Group Services

DELETE devicegrouprecords

Request Type: **DELETE**

Description: Deletes a device group with the specified object ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords/{object_UUID}

Permissions: Devices > Device Management > Modify Devices

PUT devicegrouprecords

Request Type: **PUT**

Description: Modifies a device group with the specified object ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords/{object_UUID}

Permissions: Devices > Device Management > Modify Devices

POST devicegrouprecords

Request Type: **POST**

Description: Create a device group with the specified object ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords

Permissions: Devices > Device Management > Modify Devices

GET devicegrouprecords

Request Type: **GET**

Description: Retrieves the device group associated with the specified ID. If no ID is specified, retrieves list of all device groups.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords/{object_UUID}

Permissions: Devices > Device Management > View Devices

Device Services

DELETE deviceerecords

Request Type: **DELETE**

Description: Unregisters the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords/{object_UUID}

Permissions: Devices > Device Management > Modify Devices

PUT deviceerecords

Request Type: **PUT**

Description: Modifies the device record associated with the specified ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords/{object_UUID}

Permissions: Devices > Device Management > Modify Devices

POST deviceerecords

Request Type: **POST**

Description: Registers the specified device to the Firepower Managemenr Center.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords

Permissions: Devices > Device Management > Modify Devices

GET deviceerecords

Request Type: **GET**

Description: Retrieve device information. If a device ID is specified, the information for the specificed device is retrieved. If no ID is specified, retrieves information for all devices.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords/{object_UUID}

Permissions: Devices > Device Management

Parameters available for filtering: hostName

PUT fpphysicalinterfaces

Request Type: **PUT**

Description: Modify a physical interface on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords/{containerUUID}/fpphysicalinterfaces/{object_UUID}

Permissions: Devices > Device Management > Modify Device

GET fpphysicalinterfaces

Request Type: **GET**

Description: Retrieves information on the physical interface associated with the specified NGIPS device ID and interface ID. If no ID is specified, retrieves list of all physical interfaces associated with the specified NGIPS device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords/{container_UUID}/fpphysicalinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords/{container_UUID}/fpphysicalinterfaces/{object_UUID}

Permissions: Devices > Device Management

Parameters available for filtering: name

DELETE fplogicalinterfaces

Request Type: **DELETE**

Description: Delete logical interfaces on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/deviceerecords/{containerUUID}/fplogicalinterfaces/{object_UUID}

Permissions: Devices > Device Management > Modify Device

PUT fplogicalinterfaces

Request Type: **PUT**

Description: Modify a logical interface on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/fplogicalinterfaces/{object_UUID}

Permissions: Devices > Device Management > Modify Device

POST fplogicalinterfaces

Request Type: **POST**

Description: Creates logical interfaces on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/fplogicalinterfaces

Permissions: Devices > Device Management > Modify Device

GET fplogicalinterfaces

Request Type: **GET**

Description: Retrieves the logical interface associated with the specified NGIPS device ID and interface ID. If no ID is specified, retrieves list of all logical interfaces associated with the specified NGIPS device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/fplogicalinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/fplogicalinterfaces/{obect_UUID}

Permissions: Devices > Device Management

Parameters available for filtering: name

DELETE inlinesets

Request Type: **DELETE**

Description: Delete inline sets on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{containerUUID}/inlinesets/{object_UUID}

Permissions: Devices > Device Management > Modify Device

PUT inlinesets

Request Type: **PUT**

Description: Modify an inline set on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/inlinesets/{object_UUID}

Permissions: Devices > Device Management > Modify Device

POST inlinesets

Request Type: **POST**

Description: Creates inline sets on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/inlinesets

Permissions: Devices > Device Management > Modify Device

GET inlinesets

Request Type: **GET**

Description: Retrieves information on the inline set associated with the specified NGIPS device ID and inline set ID. If no inline set ID is specified, retrieves list of all inline sets associated with the specified NGIPS device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/inlinesets

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/inlinesets/{object_UUID}

Permissions: Devices > Device Management

Parameters available for filtering: name

DELETE virtualswitches

Request Type: **DELETE**

Description: Delete a virtual switch on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{containerUUID}/virtualswitches/{object_UUID}

Permissions: Devices > Device Management > Modify Device

PUT virtualswitches

Request Type: **PUT**

Description: Modify a virtual switch on the specified device.

URL: /api/fmc_config/v1/domain/{UUID}/devices/devicerecords/{containerUUID}/virtualswitches/{object_UUID}

Permissions: Devices > Device Management > Modify Device

POST virtualswitches

Request Type: **POST**

Description: Create a virtual switch on the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/virtualswitches

Permissions: Devices > Device Management > Modify Device

GET virtualswitches

Request Type: **GET**

Description: Retrieves virtual switch associated with the specified NGIPS device ID and virtual switch ID. If no virtual switch ID is specified, retrieves list of all virtual switches associated with the specified NGIPS device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{containerUUID}/ virtualswitches

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{containerUUID}/virtualswitches/{object_UUID}

Permissions: Devices > Device Management

Parameters available for filtering: name

GET fpphysicalinterfaces

Request Type: **GET**

Description: Retrieves information on the physical interface associated with the specified NGIPS device ID and interface ID. If no ID is specified, retrieves list of all physical interfaces associated with the specified NGIPS device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/fpphysicalinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/fpphysicalinterfaces/{object_UUID}

Permissions: Devices > Device Management

Parameters available for filtering: name

GET physicalinterfaces

Request Type: **GET**

Description: Retrieves the physical interface associated with the specified NGFW device ID and interface ID. If no interface ID is specified, retrieves list of all physical interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/physicalinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/physicalinterfaces/{object_UUID}

Permissions: Devices > Device Management

GET bridgegroupinterfaces

Request Type: **GET**

Description: Retrieves the bridge group interface associated with the specified NGFW device ID and interface ID. If no interface ID is specified, retrieves list of all bridge group interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/bridgegroupinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/bridgegroupinterfaces/{object_UUID}

Permissions: Devices > Device Management

GET redundantinterfaces

Request Type: **GET**

Description: Retrieves the redundant interface associated with the specified NGFW device ID and interface ID. If no interface ID is specified, retrieves list of all redundant interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/redundantinterfaces

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/redundantinterfaces/{object_UUID}

Permissions: Devices > Device Management

GET etherchannelinterfaces

Request Type: **GET**

Description: Retrieves the ethernet channel interface associated with the specified NGFW device ID and interface ID. If no ID is specified, retrieves list of all ethernet channel interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/etherchannelinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/etherchannelinterfaces/{object_UUID}

Permissions: Devices > Device Management

Parameters available for filtering:

GET subinterfaces

Request Type: **GET**

Description: Retrieves the sub-interface associated with the specified NGFW device ID and interface ID. If no interface ID is specified, retrieves list of all sub-interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{containerUUID}/subinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{containerUUID}/subinterfaces/{object_UUID}

Permissions: Devices > Device Management

GET fpinterfacestatistics

Request Type: **GET**

Description: Retrieves list of statistics for all interfaces associated with the specified NGIPS device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/ devicerecords/{container_UUID}/fpinterfacestatistics

Permissions: Devices > Device Management

Parameters available for filtering: name

Object

GET anyprotocolportobjects

Request Type: **GET**

Description: Retrieves the any protocol port object associated with the specified ID. If no ID is specified, retrieves list of all protocol port objects with the protocol set to All.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/anyprotocolportobjects

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/anyprotocolportobjects/{object_UUID}

Permissions: Object Manager

GET applicationcategories

Request Type: **GET**

Description: Retrieves the application category object associated with the specified ID. If no ID is specified, retrieves list of all application category objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationcategories

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationcategories/{object_UUID}

Permissions: Object Manager

GET applicationfilters

Request Type: **GET**

Description: Retrieves the application filter object associated with the specified ID. If no ID is specified, retrieves list of all application filter objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationfilters

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationfilters/{object_UUID}

Permissions: Object Manager

GET applicationproductivities

Request Type: **GET**

Description: Retrieves the application productivity object associated with the specified ID. If no ID is specified, retrieves list of all application productivity objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationproductivities

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationproductivities/{object_UUID}

Permissions: Object Manager

GET applicationrisks

Request Type: **GET**

Description: Retrieves the application risk object associated with the specified ID. If no ID is specified, retrieves list of all application risk objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationrisks

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationrisks/{object_UUID}

Permissions: Object Manager

GET applications

Request Type: **GET**

Description: Retrieves the application object associated with the specified ID. If no ID is specified, retrieves list of all application objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/applications

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/applications/{object_UUID}

Permissions: Object Manager

GET applicationtags

Request Type: **GET**

Description: Retrieves the application tag object associated with the specified ID. If no ID is specified, retrieves list of all application tag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationtags

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationtags/{object_UUID}

Permissions: Object Manager

GET applicationtypes

Request Type: **GET**

Description: Retrieves the application type object associated with the specified ID. If no ID is specified, retrieves list of all application type objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationtypes

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/applicationtypes/{object_UUID}

Permissions: Object Manager

GET continents

Request Type: **GET**

Description: Retrieves the continent object associated with the specified ID. If no ID is specified, retrieves list of all continent objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/continents

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/continents/{object_UUID}

Permissions: Object Manager

GET countries

Request Type: **GET**

Description: Retrieves the country object associated with the specified ID. If no ID is specified, retrieves list of all country objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/countries

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/countries/{object_UUID}

Permissions: Object Manager

GET endpointdevicetypes

Request Type: **GET**

Description: Retrieves the endpoint device type object associated with the specified ID. If no ID is specified, retrieves list of all endpoint device type objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/endpointdevicetypes

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/endpointdevicetypes/{object_UUID}

Permissions: Object Manager

GET geolocation

Request Type: **GET**

Description: Retrieves the geolocation object associated with the specified ID. If no ID is specified, retrieves list of all geolocation objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/geolocations

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/geolocations/{object_UUID}

Permissions: Object Manager

DELETE hosts

Request Type: **DELETE**

Description: Deletes the specified host object.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/hosts/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT hosts

Request Type: **PUT**

Description: Modify a host object.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/hosts/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST hosts

Request Type: **POST**

Description: Create a host object with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/hosts

Permissions: Object Manager>Modify Object Manager

GET hosts

Request Type: **GET**

Description: Retrieves the host object associated with the specified ID. If no ID is specified, retrieves list of all host objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/hosts

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/hosts/{object_UUID}

Permissions: Object Manager

DELETE icmpv4objects

Request Type: **DELETE**

Description: Deletes the specified ICMPv4 port.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv4objects/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT icmpv4objects

Request Type: **PUT**

Description: Modify ICMPv4 port objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv4objects/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST icmpv4objects

Request Type: **POST**

Description: Create ICMPv4 port objects with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv4objects

Permissions: Object Manager>Modify Object Manager

GET icmpv4objects

Request Type: **GET**

Description: Retrieves the ICMPv4 object associated with the specified ID. If no ID, retrieves list of all ICMPv4 objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv4objects

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv4objects/{object_UUID}

Permissions: Object Manager

DELETE icmpv6objects

Request Type: **DELETE**

Description: Deletes the specified ICMPv6 port objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv6objects/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT icmpv6objects

Request Type: **PUT**

Description: Modify ICMPv6 port objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv6objects/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST icmpv6objects

Request Type: **POST**

Description: Create ICMPv6 port objects with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv6objects

Permissions: Object Manager>Modify Object Manager

GET icmpv6objects

Request Type: **GET**

Description: Retrieves the ICMPv6 object associated with the specified ID. If no ID is specified, retrieves list of all ICMPv6 objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv6objects

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/icmpv6objects/{object_UUID}

Permissions: Object Manager

GET isesecuritygrouptags

Request Type: **GET**

Retrieves the ISE security group tag object with the specified ID. If no ID is specified, retrieves list of all ISE security group tag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/isesecuritygrouptags

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/isesecuritygrouptags/{object_UUID}

Permissions: Object Manager

GET networkaddresses

Request Type: **GET**

Description: Retrieves list of all network and host objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networkaddresses

Permissions: Object Manager

DELETE networkgroups

Request Type: **DELETE**

Description: Deletes the specified Network Group.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networkgroups/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT networkgroups

Request Type: **PUT**

Description: Modify a Network Group.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networkgroups/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST networkgroups

Request Type: **POST**

Description: Create network group with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networkgroups

Permissions: Object Manager>Modify Object Manager

GET networkgroups

Request Type: **GET**

Description: Retrieves the network group object associated with the specified ID. If no ID is specified, retrieves list of all network group objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networkgroups

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/networkgroups/{object_UUID}

Permissions: Object Manager

DELETE networks

Request Type: **DELETE**

Description: Deletes the specified network objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networks/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT networks

Request Type: **PUT**

Description: Modify network objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networks/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST networks

Request Type: **POST**

Description: Create network objects with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networks

Permissions: Object Manager>Modify Object Manager

GET networks

Request Type: **GET**

Description: Retrieves the network objects associated with the specified ID. If no ID is specified, retrieves list of all network objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/networks

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/networks/{object_UUID}

Permissions: Object Manager

DELETE portobjectgroups

Request Type: **DELETE**

Description: Deletes the specified port object groups.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/portobjectgroups/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT portobjectgroups

Request Type: **PUT**

Description: Modify port object groups.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/portobjectgroups/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST portobjectgroups

Request Type: **POST**

Description: Create port object groups with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/portobjectgroups

Permissions: Object Manager>Modify Object Manager

GET portobjectgroups

Request Type: **GET**

Description: Retrieves the port object group object associated with the specified ID. If no ID is specified, retrieves list of all port object group objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/portobjectgroups

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/portobjectgroups/{object_UUID}

Permissions: Object Manager

GET ports

Request Type: **GET**

Description: Retrieves list of all port objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/ports

Permissions: Object Manager

DELETE protocolportobjects

Request Type: **DELETE**

Description: Deletes the specified protocol port objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/protocolportobjects/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT protocolportobjects

Request Type: **PUT**

Description: Modify protocol port objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/protocolportobjects/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST protocolportobjects

Request Type: **POST**

Description: Create protocol port objects with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/protocolportobjects

Permissions: Object Manager>Modify Object Manager

GET protocolportobjects

Request Type: **GET**

Description: Retrieves the protocol port object associated with the specified ID. If no ID is specified, retrieves list of all protocol port objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/protocolportobjects

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/protocolportobjects/{object_UUID}

Permissions: Object Manager

DELETE ranges

Request Type: **DELETE**

Description: Deletes the specified address range.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/ranges/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT ranges

Request Type: **PUT**

Description: Modify a an address range.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/ranges/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST ranges

Request Type: **POST**

Description: Create an address range with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/ranges

Permissions: Object Manager>Modify Object Manager

GET ranges

Request Type: **GET**

Description: Retrieves the address range object associated with the specified ID. If no ID is specified, retrieves list of all address range objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/ranges

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/ranges/{object_UUID}

Permissions: Object Manager

GET realms

Request Type: **GET**

Description: Retrieves the realm object associated with the specified ID. If no ID is specified, retrieves list of all realm objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/realms

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/realms/{object_UUID}

Permissions: Object Manager

GET realmusergroups

Request Type: **GET**

Description: Retrieves the realm user group object associated with the specified ID. If no ID is specified, retrieves list of all realm user group objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/realmusergroups

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/realmusergroups/{object_UUID}

Permissions: Object Manager

Parameters available for filtering: realmUuid

Note This is a required parameter.

GET realmusers

Request Type: **GET**

Description: Retrieves the realm user object associated with the specified ID. If no ID is specified, retrieves list of all realm user objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/realmusers

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/realmusers/{object_UUID}

Permissions: Object Manager

Parameters available for filtering: realmUuid

Note This is a required parameter.

GET securitygrouptags

Request Type: **GET**

Description: Retrieves the custom security group tag object associated with the specified ID. If no ID is specified, retrieves list of all custom security group tag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securitygrouptags

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/securitygrouptags/{object_UUID}

Permissions: Object Manager

Parameters available for filtering: name

DELETE securityzones

Request Type: **DELETE**

Description: Deletes the specified securityzone objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT securityzones

Request Type: **PUT**

Description: Modifies a securityzone object.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST securityzones

Request Type: **POST**

Description: Create securityzone objects with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones

Permissions: Object Manager>Modify Object Manager

GET securityzones

Request Type: **GET**

Description: Retrieves the security zone objects associated with the specified ID. If no ID is specified, retrieves list of all security zone objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones/{object_UUID}

Permissions: Object Manager

Parameters available for filtering: name

GET siurlfeeds

Request Type: **GET**

Description: Retrieves the Security Intelligence url feed object associated with the specified ID. If no ID is specified, retrieves list of all Security Intelligence url feed objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/siurlfeeds

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/siurlfeeds/{object_UUID}

Permissions: Object Manager

GET siurllists

Request Type: **GET**

Description: Retrieves the Security Intelligence url list object associated with the specified ID. If no ID is specified, retrieves list of all Security Intelligence url list objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/siurllists

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/siurllists/{object_UUID}

Permissions: Object Manager

GET tunneltags

Request Type: **GET**

Description: Retrieves the tunnel tag object associated with the specified ID. If no ID is specified, retrieves list of all tunnel tag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/tunneltags

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/tunneltags/{object_UUID}

Permissions: Object Manager

GET urlcategories

Request Type: **GET**

Description: Retrieves the url category object associated with the specified ID. If no ID is specified, retrieves list of all url category objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urlcategories

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/urlcategories/{object_UUID}

Permissions: Object Manager

DELETE urlgroups

Request Type: **DELETE**

Description: Deletes the specified urlgroup objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urlgroups/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT urlgroups

Request Type: **PUT**

Description: Modify urlgroup objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urlgroups/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST urlgroups

Request Type: **POST**

Description: Create urlgroup objects with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urlgroups

Permissions: Object Manager>Modify Object Manager

GET urlgroups

Request Type: **GET**

Description: Retrieves the url group objects associated with the specified ID. If no ID is specified, retrieves list of all url group objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urlgroups

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/urlgroups/{object_UUID}

Permissions: Object Manager>Modify Object Manager

DELETE urls

Request Type: **GET**

Description: Deletes the specified URL.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urls/{object_UUID}

Permissions: Object Manager

PUT urls

Request Type: **PUT**

Description: Modify a URL.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urls/{object_UUID}

Permissions: Object Manager

POST urls

Request Type: **POST**

Description: Create URLs with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urls

Permissions: Object Manager

GET urls

Request Type: **GET**

Description: Retrieves the url objects associated with the specified ID. If no ID is specified, retrieves list of all url objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/urls

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/urls/{object_UUID}

Permissions: Object Manager

GET variablesets

Request Type: **GET**

Description: Retrieves the variable set object associated with the specified ID. If no ID is specified, retrieves list of all variable set objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/variablesets

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/variablesets/{object_UUID}

Permissions: Object Manager

DELETE vlangrouptags

Request Type: **DELETE**

Description: Deletes the specified vlangrouptag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/vlangrouptags/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT vlangrouptags

Request Type: **PUT**

Description: Modify vlangrouptag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/vlangrouptags/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST vlangrouptags

Request Type: **POST**

Description: Create VLAN group tags with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/vlangrouptags

Permissions: Object Manager>Modify Object Managers

GET vlangrouptags

Request Type: **GET**

Description: Retrieves the vlan group tag objects associated with the specified ID. If no ID is specified, retrieves list of all vlan group tag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/vlangrouptags

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/vlangrouptags/{object_UUID}

Permissions: Object Manager>Modify Object Manager

DELETE vlantags

Request Type: **DELETE**

Description: Deletes the specified VLAN tag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/vlantags/{object_UUID}

Permissions: Object Manager>Modify Object Manager

PUT vlantags

Request Type: **PUT**

Description: Modify VLAN tag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/vlantags/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST vlantags

Request Type: **POST**

Description: Create VLAN tags with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/vlantags

Permissions: Object Manager>Modify Object Manager

GET vlantags

Request Type: **GET**

Description: Retrieves the vlantag objects associated with the specified ID. If no ID is specified, retrieves list of all vlantag objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/vlantags

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/vlantags/{object_UUID}

Permissions: Object Manager

Policy Services

DELETE accesspolicies

Request Type: **DELETE**

Description: Deletes the access control policy with the specified ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{object_UUID}

Permissions: Policies>Access Control Policy>Modify Access Control Policy

PUT accesspolicies

Request Type: **PUT**

Description: Modify an access control policy.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{object_UUID}

Permissions: Policies>Access Control Policy>Modify Access Control Policy

POST accesspolicies

Request Type: **POST**

Description: Create an access control policy with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies

Permissions: Policies>Access Control Policy>Modify Access Control Policy

GET accesspolicies

Request Type: **GET**

Description: Retrieves the access control policy associated with the specified ID. If no ID is specified, retrieves a list of all access control policies.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{object_UUID}

Permissions: Policies

DELETE accessrules

Request Type: **DELETE**

Description: Delete an access control rule in the specified access control policy.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{container_UUID}/accessrules/{object_UUID}

Permissions: Policies>Access Control>Access Control Policy>Modify Access Control Policy

PUT accessrules

Request Type: **PUT**

Description: Modify an access control rule in the specified access control policy.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{container_UUID}/accessrules/{object_UUID}

Permissions: Policies>Access Control>Access Control Policy>Modify Access Control Policy

POST accessrules

Request Type: **POST**

Description: Create an access control rule in the specified access control policy.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{container_UUID}/accessrules

Permissions: Policies>Access Control>Access Control Policy>Modify Access Control Policy

GET accessrules

Request Type: **GET**

Description: Retrieves the access control rule associated with the specified policy ID and rule ID. If no rule ID is specified, retrieves list of all access rules associated with the specified policy ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{container_UUID}/accessrules

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{container_UUID}/accessrules/{object_UUID}

Permissions: Policies>Access Control>Access Control Policy

PUT defaultactions

Request Type: **PUT**

Description: Modifies the default action associated with the specified access control policy ID and default action ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{container_UUID}/defaultactions/{object_UUID}

Permissions: Policies>Access Control>Access Control Policy>Modify Access Control Policy

GET defaultactions

Request Type: **GET**

Description: Retrieves the default action associated with the specified access control policy ID and default action ID. If no default action ID is specified, retrieves list of all default actions associated with the specified access control policy ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{container_UUID}/defaultactions

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/policy/accesspolicies/{container_UUID}/defaultactions/{object_UUID}

Permissions: Policies>Access Control>Access Control Policy

GET filepolicies

Request Type: **GET**

Description: Retrieves the file policy object associated with the specified ID. If no ID is specified, retrieves list of all file policy objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/filepolicies

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/policy/filepolicies/{object_UUID}

Permissions: Policies>Access Control>Malware & File Policy

GET intrusionpolicies

Request Type: **GET**

Description: Retrieves the intrusion policy associated with the specified ID. If no ID is specified, retrieves list of all intrusion policies.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/intrusionpolicies

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/policy/intrusionpolicies/{object_UUID}

Permissions: Policies>Access Control>Intrusion Policy

GET snmpalerts

Request Type: **GET**

Description: Retrieves the SNMP alert object associated with the specified ID. If no ID is specified, retrieves a list of all SNMP alert objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/snmpalerts

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/policy/snmpalerts/{object_UUID}

Permissions: Policies > Actions > Alerts > View Alerts

GET syslogalerts

Request Type: **GET**

Description: Retrieves the syslog alert object associated with the specified ID. If no ID is specified, retrieves a list of all syslog alert objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/policy/syslogalerts

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/policy/syslogalerts/{object_UUID}

Permissions: Policies > Actions > Alerts

Policy Assignment Services

PUT policyassignments

Request Type: **PUT**

Description: Modify an assigned access policy to add a new device or a new device group.

URL: /api/fmc_config/v1/domain/{domain_UUID}/assignment/policyassignments/{object_UUID}

Permissions:

POST policyassignments

Request Type: **POST**

Description: Assigns an unassigned access policy to devices or device groups.

URL: /api/fmc_config/v1/domain/{domain_UUID}/assignment/policyassignments

Permissions:

GET policyassignments

Request Type: **GET**

Description: Retrieves the policy assignment associated with the specified ID. If no ID is specified, retrieves a list of all policy assignments to target devices.

URL: /api/fmc_config/v1/domain/{domain_UUID}/assignment/policyassignments

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/assignment/policyassignments/{object_UUID}

Permissions:

Parameters available for filtering: name

Status Services

GET taskstatuses

Request Type: **GET**

Description: Retrieves information about a previously submitted pending job/task with the specified ID. This is currently supported for device registration and deployment jobs. If no ID is specified, retrieves list of all previously submitted pending Job/Tasks.

URL: /api/fmc_config/v1/domain/{domain_UUID}/job/taskstatuses

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/job/taskstatuses/{object_UUID}

Permissions: Modify Devices/Deployment

System Information

GET serverversion

Request Type: **GET**

Description: Request version information for the server.

URL: /api/fmc_platform/v1/info/serverversion

Permissions:

Services Available in Firepower Threat Defense

GET physicalinterfaces

Request Type: **GET**

Description: Retrieves the physical interface associated with the specified NGFW device ID and interface ID. If no interface ID is specified, retrieves list of all physical interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/physicalinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/physicalinterfaces/{object_UUID}

Permissions: Devices > Device Management

GET redundantinterfaces

Request Type: **GET**

Description: Retrieves the redundant interface associated with the specified NGFW device ID and interface ID. If no interface ID is specified, retrieves list of all redundant interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/redundantinterfaces

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/redundantinterfaces/{object_UUID}

Permissions: Devices > Device Management

GET etherchannelinterfaces

Request Type: **GET**

Description: Retrieves the ethernet channel interface associated with the specified NGFW device ID and interface ID. If no ID is specified, retrieves list of all ethernet channel interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/etherchannelinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/etherchannelinterfaces/{object_UUID}

Permissions: Devices > Device Management

Parameters available for filtering:

GET subinterfaces

Request Type: **GET**

Description: Retrieves the sub-interface associated with the specified NGFW device ID and interface ID. If no interface ID is specified, retrieves list of all sub-interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{containerUUID}/subinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{containerUUID}/subinterfaces/{object_UUID}

Permissions: Devices > Device Management

GET bridgegroupinterfaces

Request Type: **GET**

Description: Retrieves the bridge group interface associated with the specified NGFW device ID and interface ID. If no interface ID is specified, retrieves list of all bridge group interfaces associated with the specified NGFW device ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/bridgegroupinterfaces

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{container_UUID}/bridgegroupinterfaces/{object_UUID}

Permissions: Devices > Device Management

POST devicerecords

Request Type: **POST**

Description: Registers the specified device to the Firepower Managemenr Center.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords

Permissions: Devices > Device Management > Modify Devices

PUT devicerecords

Request Type: **PUT**

Description: Modifies the device record associated with the specified ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{object_UUID}

Permissions: Devices > Device Management > Modify Devices

GET devicegrouprecords

Request Type: **GET**

Description: Retrieves the device group associated with the specified ID. If no ID is specified, retrieves list of all device groups.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords/{object_UUID}

Permissions: Devices > Device Management > View Devices

DELETE devicerecords

Request Type: **DELETE**

Description: Unregisters the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devices/devicerecords/{object_UUID}

Permissions: Devices > Device Management > Modify Devices

POST devicegrouprecords

Request Type: **POST**

Description: Create a device group with the specified object ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords

Permissions: Devices > Device Management > Modify Devices

PUT devicegrouprecords

Request Type: **PUT**

Description: Modifies a device group with the specified object ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords/{object_UUID}

Permissions: Devices > Device Management > Modify Devices

GET devicegrouprecords

Request Type: **GET**

Description: Retrieves the device group associated with the specified ID. If no ID is specified, retrieves list of all device groups.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords/{object_UUID}

Permissions: Devices > Device Management > View Devices

DELETE devicegrouprecords

Request Type: **DELETE**

Description: Deletes a device group with the specified object ID.

URL: /api/fmc_config/v1/domain/{domain_UUID}/devicegroups/devicegrouprecords/{object_UUID}

Permissions: Devices > Device Management > Modify Devices

POST securityzones

Request Type: **POST**

Description: Create securityzone objects with the specified parameters.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones

Permissions: Object Manager>Modify Object Manager

PUT securityzones

Request Type: **PUT**

Description: Modifies a securityzone object.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones/{object_UUID}

Permissions: Object Manager>Modify Object Manager

GET securityzones

Request Type: **GET**

Description: Retrieves the security zone objects associated with the specified ID. If no ID is specified, retrieves list of all security zone objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones/{object_UUID}

Permissions: Object Manager

Parameters available for filtering: name

DELETE securityzones

Request Type: **DELETE**

Description: Deletes the specified securityzone objects.

URL: /api/fmc_config/v1/domain/{domain_UUID}/object/securityzones/{object_UUID}

Permissions: Object Manager>Modify Object Manager

POST policyassignments

Request Type: **POST**

Description: Assigns an unassigned access policy to devices or device groups.

URL: /api/fmc_config/v1/domain/{domain_UUID}/assignment/policyassignments

Permissions:

PUT policyassignments

Request Type: **PUT**

Description: Modify an assigned access policy to add a new device or a new device group.

URL: /api/fmc_config/v1/domain/{domain_UUID}/assignment/policyassignments/{object_UUID}

Permissions:

GET policyassignments

Request Type: **GET**

Description: Retrieves the policy assignment associated with the specified ID. If no ID is specified, retrieves a list of all policy assignments to target devices.

URL: /api/fmc_config/v1/domain/{domain_UUID}/assignment/policyassignments

URL for GET by ID: /api/fmc_config/v1/domain/{domain_UUID}/assignment/policyassignments/{object_UUID}

Permissions:

Parameters available for filtering: name

GET deployabledevices

Request Type: **GET**

Description: Retrieves list of all devices with configuration changes, ready to be deployed.

URL: /api/fmc_config/v1/domain/{domain_UUID}/deployment/deployabledevices

Permissions: Deploy Configuration to Devices

Parameters available for filtering: name

POST deploymentrequests

Request Type: **POST**

Description: Creates a request for deploying configuration changes to the specified device.

URL: /api/fmc_config/v1/domain/{domain_UUID}/deployment/deploymentrequests/{object_UUID}

Permissions: Deploy Configuration to Devices