



FortiPortal - REST API Guide

Version 6.0.0

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FortiPortal 6.0.0 REST API Guide

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Change Log

| Date | Change Description |
|------------|---|
| 2020-07-02 | Initial release. |
| 2022-05-09 | Updated Customer policy and object permission on page 28. |
| | |

Introduction

This document provides information about the REST API supported by FortiPortal 6.0.0.

API responses include data in JSON format. Each API response also includes an HTTP response code, to indicate the success or failure of the operation.

REST API background

A RESTful API uses standard HTTP methods (Get, Post, Delete) to provide interactions between a client and a server. The API is stateless - each request is independent.

The following operations are supported by a RESTful API:

1. Fetch data by sending a GET request
2. Add data by sending a POST request
3. Update data by sending a POST request
4. Delete data by sending a DELETE request

GET and DELETE are idempotent. The operation will produce the same result no matter how many times it is repeated.

Available API methods

Use the API to access and modify the following objects:

1. Customer Provisioning
 - a. Customers:
 - i. List customers and devices associated with the customer
 - ii. Add a new customer
 - iii. Edit an existing customer
 - iv. Delete a customer
 - v. List and update the ADOMs for a specific customer
 - vi. List, add, and edit domains for a customer
 - vii. List all installations related to a customer or details for a specific installation
 - viii. List, add, or update policy, object, and tab permissions for a customer
 - ix. List and update comment-based and name-based filters for a customer
 - x. List, add, and update widgets for a specific customer
 - xi. List unassigned FortiAnalyzer reports that a specified customer can assign
 - xii. List FortiAnalyzer reports that are assigned to the specified customer
 - xiii. Assign FortiAnalyzer reports to a specific customer
 - xiv. Unassign FortiAnalyzer reports from a specific customer

- b. Sites**
 - i. List sites**
 - ii. Add new site**
 - iii. Edit an existing site**
 - iv. Delete the site**
- c. Wifi Networks**
 - i. Add, edit, and delete wireless networks**
- 2. User Provisioning**
 - a. Users**
 - i. List users**
 - ii. Add new user (customer or server provider user)**
 - iii. Edit an existing user**
 - iv. Delete the user**
 - v. List roles assigned to the user**
- 3. System Provisioning**
 - a. FortiManager**
 - i. List, add, edit, and delete the FortiManager**
 - ii. FortiManager polling**
 - b. FortiAnalyzer**
 - i. List all connected FortiAnalyzer units**
 - ii. Add, edit, or delete the FortiAnalyzer unit**
 - iii. Update the FortiAnalyzer report list**
 - iv. List FortiAnalyzer report templates**
 - c. List all devices and the associated customer**
 - d. List the available devices that can be assigned to customer sites**
 - e. List all FAPs and the associated customer**
 - f. List all roles and the permissions for each role**
 - g. Get cloud usage for customers**
 - h. Display audit and alert logs**
 - i. List policy installations for all customers in a specified time range**

FortiPortal API methods

The FortiPortal provides the following API methods. You need to log in to the API using a valid Admin User account (not a customer user account) before you can use the other API methods.

Admin log in and log out

| Method | Path Parameters | Description |
|--------|-----------------|---|
| POST | /login | Log in to the FortiPortal with user name and password |
| POST | /logout | Log out of FortiPortal |

Customers and customer users

| Method | Path Parameters | Description |
|--------|--------------------------------------|---|
| GET | /customers | Retrieve all customers record |
| POST | /customers | Create a new customer record |
| GET | /customers/{cid} | Retrieve the information for a customer record identified by the customer ID |
| POST | /customers/{cid} | Edit an existing customer record |
| POST | /customers/delete/{cid} | Delete a customer record |
| GET | /customers/{cid}/adoms | Get a list of ADOMs assigned to a specific customer |
| POST | /customers/{cid}/adoms | Update the list of ADOMs assigned to a specific customer |
| POST | /customers/{cid}/assignfazreports | Assign the specified FortiAnalyzer reports to a specific customer |
| POST | /customers/{cid}/unassignfazreports | Unassign the specified FortiAnalyzer reports from a specific customer |
| GET | /customers/{cid}/availablefazreports | Get a list of unassigned FortiAnalyzer reports that the specified customer can assign |
| GET | /customers/{cid}/assignedfazreports | Get a list of FortiAnalyzer reports that are assigned to the specified customer |

| Method | Path Parameters | Description |
|--------|---|--|
| GET | /customers/{cid}/commentnamebasedfilters | Get a list of comment-based and name-based filters that are assigned to a specific customer |
| POST | /customers/{cid}/commentnamebasedfilters | Update comment-based and name-based filters that are assigned to a specific customer |
| GET | /customers/{cid}/domains | Get domain names assigned to customer |
| POST | /customers/{cid}/domains | Add or update domain assigned to customer |
| GET | /customers/{cid}/installs?startdate='yyyy-MM-dd HH:mm:ss'&enddate='yyyy-MM-dd HH:mm:ss' | Get all installations related to customer with a given identifier and within the specified date range. The following are the valid date formats: yyyy-MM-dd HH:mm:ss, yyyy-MM-dd HH:mm |
| GET | /customers/{cid}/installs/{installid} | Get installation details for given installation id (installation logs, tasked) |
| GET | /customers/{cid}/policyobjects | Get policy and object permissions assigned to customer |
| POST | /customers/{cid}/policyobjects | Add or update policy and object permissions assigned to customer |
| GET | /customers/{cid}/policytabs | Get policy tab permissions assigned to customer |
| POST | /customers/{cid}/policytabs | Add or update policy tab permissions assigned to customer |
| GET | /customers/{cid}/tabs | Get tab permissions assigned to customer |
| POST | /customers/{cid}/tabs | Add or update tab permissions assigned to customer |
| GET | /customers/{cid}/users | List all users for a particular customer |
| POST | /customers/{cid}/users | Create a new user under a particular customer |
| GET | /customers/{cid}/users/{uid} | List the user information for a particular user ID |
| POST | /customers/{cid}/users/delete/{uid} | Delete the user from the customer |
| POST | /customers/{cid}/users/{uid} | Edit the existing user information |
| GET | /customers/{cid}/widgets | Get widgets assigned to customer |
| POST | /customers/{cid}/widgets | Add or update widgets assigned to customer |

Customer Sites Provisioning

| Method | Path Parameters | Description |
|--------|------------------------------|--|
| GET | /customers/{cid}/sites | List all sites for a particular customer |
| GET | /customers/{cid}/sites/{sid} | List the site information for a particular site ID |

| Method | Path Parameters | Description |
|--------|---|--|
| POST | /customers/{cid}/sites | Create a site under a particular customer |
| POST | /customers/{cid}/sites/{sid} | Edit the existing site information |
| POST | /customers/{cid}/sites/delete/{sid} | Delete the site from the customer record |
| GET | /customers/{cid}/sites/{sid}/wifinetworks | Retrieve all WiFi networks under a customer site. |
| GET | /customers/{cid}/sites/{sid}/wifinetworks/{id} | List the WiFi network information for a particular WiFi network ID |
| POST | /customers/{cid}/sites/{sid}/wifinetworks | Create a new WiFi network record |
| POST | /customers/{cid}/sites/{sid}/wifinetworks/{id} | Edit an existing WiFi network record |
| POST | /customers/{cid}/sites/{sid}/wifinetworks/delete/{id} | Delete an existing WiFi network record |
| GET | /customers/{cid}/wifiNetworkIdgets | List all WiFi network IDs assigned to the customer |

FortiAnalyzer

| Method | Path Parameters | Description |
|--------|--|--|
| GET | /fortianalyzers | Retrieve all FortiAnalyzer units |
| GET | /fortianalyzers/{faid} | Retrieve FortiAnalyzer information by FortiAnalyzer ID |
| POST | /fortianalyzers | Add a new FortiAnalyzer to FortiPortal |
| POST | /fortianalyzers/{faid} | Edit the information for an existing FortiAnalyzer |
| DELETE | /fortianalyzers/{faid} | Remove a FortiAnalyzer from FortiPortal |
| GET | /fortianalyzers/{faid}/pollnow | Update the list of FortiAnalyzer reports |
| GET | /fortianalyzers/{faid}/reporttemplates | List FortiAnalyzer report templates for a specific FortiAnalyzer |

FortiManager

| Method | Path Parameters | Description |
|--------|-------------------------------|---|
| GET | /fortimanagers | Retrieve all FortiManager units |
| GET | /fortimanagers/{fmid} | Retrieve FortiManager by FortiManager ID |
| GET | /fortimanagers/{fmid}/pollnow | The poll updates the list of FortiManager devices in the FortiPortal. |

| Method | Path Parameters | Description |
|--------|------------------------------|--|
| POST | /fortimanagers | Create a new FortiManager record |
| POST | /fortimanagers/{fmid} | Edit an existing FortiManager record |
| POST | /fortimanagers/delete/{fmid} | Delete an existing FortiManager record |

System Provisioning

| Method | Path Parameters | Description |
|--------|---|---|
| GET | /devices or /devices?status= | List all devices |
| GET | /devices?status=available | List the devices that can be assigned to customer sites |
| GET | /devices?haRole=master and /devices?haRole=slave | List all master devices or all slave devices, depending on the value specified. |
| GET | /adom | List all ADOMs |
| GET | /roles | List all roles |
| GET | /roles/{roleid} | Retrieve role and its permissions by ID |
| GET | /faps | Retrieve all faps information |
| GET | /auditlogs?Start_date= "MM/dd/yyyy" &End_date= "MM/dd/yyyy" or /auditlogs?frequencyValue=<time> | List audit logs for the specified time range or the specified number of days or hours |
| GET | /auditlogs?frequencyValue=<time>&pageStart=<row_number>&pageLength=<number_of_records> | List the specified number of records for the specified number of days or hours |
| GET | /alerts | List alerts for time range specified |
| GET | /widgets/?type=<type> Type can be either "SP" or "CUST" | Get Widgets resource by type. To get list of Widget that can be assigned to customer use CUST |
| GET | /cloudusage | Retrieve cloud usage for all customers |
| GET | /cloudusage/{cid} | Retrieve cloud usage for a single customer |
| GET | /countries | Retrieve a list of all countries in the FortiPortal database |
| GET | /countries/{countryId} | Get details for a specified country |
| GET | /installs/?startdate='yyyy-MM-dd HH:mm:ss'&enddate='yyyy-MM-dd HH:mm:ss' | List policy installations for all customers in a specified time range |

User Provisioning

| Method | Path Parameters | Description |
|--------|-----------------|---|
| GET | /users | Retrieve all local users in the FortiPortal |
| POST | /users | Create a new Service provider user |

Using the API

Accessing the API

Create web requests using HTTP Get or Post message with the following fields:

```
https://<ipaddress>:<port>/fpc/api/<path parameters>
```

Headers

Set the following HTTP header fields:

- **Content-type:** application/json
- **fpc-sid:** <session ID token as returned by the login command>

The fpc-sid header is mandatory in all API calls except the login API.

URL parameters

FortiPortal API follows the standard REST format for the request URLs.

In a request to get all entries of a collection, or to add a new entry to a collection, the URL includes the collection name.

In a request to get, update or delete a specific member of a collection, the URL includes the collection name and the index of the specific entry. For a nested collection (such as customer sites), the URL may contain more than one index (one for customer ID, one for site ID).

The URL parameters are always mandatory. If you do not provide a valid ID for each index in the request URL, the request will result in a failure response.

JSON payload parameters

In the methods to add a new entry or update an existing entry in a collection, the payload contains the input fields for the entry. The payload information is sent as text in JSON format.

Some input fields are required, and some are optional. You must provide values for the required fields. The API Reference chapter lists the required and optional fields for each API method.

Success response structure

API returns the following values in a successful response message:

- HTTP status 200
- A JSON string, whose content depends on the API method.

Failure response structure

API returns the following values in a failure response message:

- HTTP status 500
- A JSON structure with the error details

Authentication

To initiate requests to the FortiPortal REST API, you need to log in to the FortiPortal. Send a POST request using the following format:

```
https://<ipaddress>:<port>/fpc/api/login
```

Parameters (JSON structure in the payload):

- **user**: a valid admin user name
- **password**: password for the above name

If the login is successful, the response will contain a session ID that must be included in all subsequent API requests.

Authentication example

The following example shows the contents of the request message and the response:

HTTP post message:

```
url: https://10.0.0.1/fpc/api/login
Content-type: application/json
Payload:
{
  "user" : "spuser",
  "password" : "test123"
}
```

Response message:

```
Status : 200 OK
Payload:
{
  "sid" : "8478V00xYhva_ndcihDi203ru3c1auaUblicew0W_TT"
}
```

Python examples

The following snippets of Python code provide examples of how to use the FortiPortal API.

Basic setup (use this code for each example)

The following example shows how to log in to the API, and retrieve the session ID from the response message:

```
url_login="https://10.16.0.42/fpc/api/login"
client = requests.session()

#Login request
payload = {'user' : 'myuser', 'password' : 'mypass'}
r = client.post(url_login, json=payload, verify=False )

#Retrieve session id. Add to HTTP header for future messages
parsed_json = json.loads(r.text)
sid = parsed_json['fpc-sid']
headers = {'fpc-sid' : sid }
```

Retrieve a collection

The following example shows how to gather all customer users for customer index 1:

```
url_cust_req="https://10.16.0.42/fpc/api/customers/1/users"
r = client.get(url_cust_req, headers=headers, verify=False)
```

Retrieve an object

The following example shows how to obtain device index 3:

```
url_cust_req="https://10.160.14.103/fpc/api/devices/3"
r = client.get(url_cust_req, headers=headers, verify=False)
```

API HTTP response codes

The API returns an HTTP status code to indicate the disposition of the request:

| | | |
|-----|--------------------------|--|
| 200 | Status ok | Request successful |
| 400 | Bad request | Bad request |
| 403 | Forbidden | Request is missing the CSRF token or administrator is missing access profile permissions |
| 404 | Not Found | Unable to find the specified resource |
| 405 | Method Not Allowed | Specified HTTP method is not allowed for this resource |
| 413 | Request Entity Too Large | |
| 424 | Failed Dependency | |
| 500 | Internal Server Error | |

API reference

This chapter provides details about each of the API methods. You need to log in to the FortiPortal using admin user credentials before using the other API methods.

Logging in and out

Admin log In

| Method | URL | Description | Arguments | Outputs |
|--------|--------|---|----------------|---------|
| POST | /login | Logs user in to the FortiPortal, using <code>user</code> and <code>password</code> as credentials | user, password | Sid |

Arguments (JSON payload)

| Parameter | Type | Required | Description |
|-----------|--------|----------|-------------------------|
| user | string | Y | Administrator user name |
| password | string | Y | Administrator password |

Outputs

| Parameter | Type | Description |
|-----------|--------|--|
| fpc-sid | string | Unique session identifier. Include this value in the fpc-sid header for each subsequent request |

Admin log out

| Method | URL | Description | Arguments | Outputs |
|--------|---------|------------------------------|-----------|---------|
| POST | /logout | Logs user out of FortiPortal | | |

Arguments

None.

Outputs

None.

Customers

FortiPortal contains a record for each customer.

Get all customers

| Method | URL | Description | Arguments | Outputs |
|--------|------------|--------------------------------|-----------|------------|
| GET | /customers | Retrieve all customers records | none | JSON array |

Arguments

None

Outputs

| Parameter | Type | Description |
|-----------|------------|--|
| | JSON array | Array of customer records. One entry per customer, each record contains a unique customer ID (cid). See the customer record table. |

Get a specific customer

| Method | URL | Description | Arguments | Outputs |
|--------|------------------|--|-----------|-----------------|
| GET | /customers/{cid} | Retrieve information for a particular customer | cid | customer record |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| cid | int | Customer ID |

Outputs (customer record)

The customer record contains the following fields:

| Parameter | Type | Description |
|----------------------------|--------|---|
| customerId | int | Customer ID |
| customerName | string | Name of the customer |
| contactFName | string | First name of the contact person |
| contactLName | string | Last name of the contact person |
| contactEmail | string | Email address of the contact person |
| totalStorage | int | Total customer storage |
| fpcStorage | int | Storage assigned to portal |
| collectorStorage | int | Storage assigned to collector |
| collectorStoragePercentage | string | Collector total percentage (the rest is for portal usage) |
| fpcStorageUsage | string | Current fpc storage usage |
| collectorStorageUsage | string | Current collector usage |
| deviceName | string | Comma-separated list of the name of devices assigned to the customer. You can use this list to calculate the total number of devices for this customer. |

Create a new customer

| Method | URL | Description | Arguments | Outputs |
|--------|-------------|-----------------------|---------------------|---------|
| POST | /customers/ | Create a new customer | See the next table. | cid |

Arguments (customer fields—JSON payload)

| Parameter | Type | Required | Description |
|------------------|--------|----------|--|
| customerName | string | Y | Name of the customer |
| address1 | string | | Address line 1 |
| address2 | string | | Address line 2 |
| analyticsEnabled | string | Y | Set to Y or N. NOTE: If you set <code>analyticsEnabled</code> to N, make sure that the <code>totalStorage</code> is set to 50 or more. |
| city | string | | Name of the city |
| state | string | | Name of the state |
| zip | string | | Postal code |

| Parameter | Type | Required | Description |
|----------------------------|--------|----------|---|
| phone | string | | Phone number for the customer |
| fax | string | | Fax number for the customer |
| contactFName | string | Y | First name of the contact person |
| contactLName | string | Y | Last name of the contact person |
| contactEmail | string | Y | Email address of the contact person |
| totalStorage | int | Y | Total customer storage. NOTE: When <code>analyticsEnabled</code> is set to N, the storage units are MB. When <code>analyticsEnabled</code> is set to Y, the storage units are GB. |
| collectorStoragePercentage | int | | Collector total percentage (the rest is for portal usage) |

Outputs

| Parameter | Type | Description |
|-----------|------|--|
| cid | int | Unique customer ID of the newly created customer |

Edit an existing customer

| Method | URL | Description | Arguments | Outputs |
|--------|-------------------------------|---|---------------------|---------|
| POST | <code>/customers/{cid}</code> | Update the customer record for an existing customer | See the next table. | none |

Arguments

| Parameter | Type | Description |
|-----------------|--------------|--|
| cid | int | Unique customer ID of the newly created customer |
| customer fields | JSON payload | See Arguments (customer fields—JSON payload) . |

Delete a customer record

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------------------|------------------------------------|-----------|---------|
| POST | <code>/customers/delete/{cid}</code> | Delete a customer from FortiPortal | none | none |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| cid | int | Customer ID |

No outputs.

Customer ADOMs

Display ADOMs assigned to a customers

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|---------------------------------------|-----------|------------------------|
| GET | /customers/{cid}/adoms | Display ADOMs assigned to a customers | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |

Outputs

HTTP Response: 200 OK

Response Data:

| Parameter | Type | Description |
|------------|-----------------------|------------------------|
| Id | int | ADOMs list resource ID |
| customerId | int | Customer ID |
| adoms | JSON array of strings | List of ADOM names |

Create or update a list of ADOMs for a customer

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|---|-----------------------|---------|
| POST | /customers/{cid}/adoms | Create or update list of ADOMs for a customer | Id, customerId, adoms | 200 OK |

Arguments

| Parameter | Type | Description |
|------------|-----------------------|------------------------|
| Id | int | ADOMs list resource ID |
| customerId | int | Customer ID |
| adoms | JSON array of strings | List of ADOM names |

FortiAnalyzer reports for a customer

Assign FortiAnalyzer reports to a customer

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------------------------|---|---------------------------|----------------------|
| POST | /customers/{cid}/assignfazreports | Assign one or more available FortiAnalyzer reports to a specific customer | See the following tables. | HTTP Response 200 OK |

Arguments

| Parameter | Type | Description |
|-----------|------|-----------------------|
| cid | int | Required. Customer ID |

Arguments (JSON payload)

| Parameter | Type | Description |
|-----------|----------------|--|
| Reportids | List (integer) | Required. Identifiers for one or more FortiAnalyzer reports to be assigned to the customer |

Outputs

HTTP Response 200 OK

Unassign FortiAnalyzer reports from a customer

| Method | URL | Description | Arguments | Outputs |
|--------|-------------------------------------|---|---------------------------|----------------------|
| POST | /customers/{cid}/unassignfazreports | Unassign one or more available FortiAnalyzer reports from a specific customer | See the following tables. | HTTP Response 200 OK |

Arguments

| Parameter | Type | Description |
|-----------|------|-----------------------|
| cid | int | Required. Customer ID |

Arguments (JSON payload)

| Parameter | Type | Description |
|-----------|----------------|--|
| Reportids | List (integer) | Required. Identifiers for one or more FortiAnalyzer reports to be unassigned from the customer |

Outputs

HTTP Response 200 OK

Get unassigned FortiAnalyzer reports that the specified customer can assign

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------------------|--|-----------|------------------------|
| GET | /customers/{cid}/availablefazreports | Retrieve a list of unassigned FortiAnalyzer reports that the specified customer can assign | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-----------------------|
| cid | int | Required. Customer ID |

Outputs (FortiAnalyzer report record)

The FortiAnalyzer report record contains the following fields:

| Parameter | Type | Description |
|--------------|--------|--|
| ipAddress | string | IP address of the FortiAnalyzer |
| reportName | string | Name of the FortiAnalyzer report |
| startTime | string | The start time of the period covered by the report |
| endTime | string | The end time of the period covered by the report |
| fazName | string | Name of the FortiAnalyzer |
| adom | string | Name of ADOM |
| reportId | int | Report identifier |
| customerId | int | Customer identifier |
| fazId | int | FortiAnalyzer identifier |
| customerName | string | Customer name |
| devices | int | Number of FortiAnalyzer units |

Get FortiAnalyzer reports that are assigned to the specified customer

| Method | URL | Description | Arguments | Outputs |
|--------|-------------------------------------|--|-----------|------------------------|
| GET | /customers/{cid}/assignedfazreports | Retrieve a list of FortiAnalyzer reports that are assigned to the specified customer | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-----------------------|
| cid | int | Required. Customer ID |

Outputs (FortiAnalyzer report record)

The FortiAnalyzer report record contains the following fields:

| Parameter | Type | Description |
|------------|--------|--|
| ipAddress | string | IP address of the FortiAnalyzer |
| reportName | string | Name of the FortiAnalyzer report |
| startTime | string | The start time of the period covered by the report |
| endTime | string | The end time of the period covered by the report |

| Parameter | Type | Description |
|--------------|--------|-------------------------------|
| fazName | string | Name of the FortiAnalyzer |
| adom | string | Name of ADOM |
| reportId | int | Report identifier |
| customerId | int | Customer identifier |
| fazId | int | FortiAnalyzer identifier |
| customerName | string | Customer name |
| devices | int | Number of FortiAnalyzer units |

Customer comment-based and name-based filters

Display comment-based and name-based filters under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|--|---|-----------|------------------------|
| GET | /customers/ {cid}/commentnamebasedfilters | Display comment-based and name-based filters under a customer | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| cid | int | Customer ID |

Outputs

| Parameter | Type | Description |
|--------------------|------------|-------------------------------|
| customerId | int | Customer ID |
| commentBasedFilter | JSON array | List of comment-based filters |
| nameBasedFilter | JSON array | List of name-based filters |

Update comment-based and name-based filters under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|--|--|---------------------|---|
| POST | /customers/ {cid}/commentnamebasedfilters | Update comment-based and name-based filters under a customer | See the next table. | 200 OK An error is returned in the response if any of the following characters have been used: ()\"<># |

Arguments (JSON payload)

| Parameter | Type | Description |
|--------------------|------------|-------------------------------|
| customerId | int | Customer ID |
| commentBasedFilter | JSON array | List of comment-based filters |
| nameBasedFilter | JSON array | List of name-based filters |

Customer domain

Display domains resource under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------------|--|-----------|------------------------|
| GET | /customers/ {cid}/domains | List all sites for a particular customer | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| cid | int | Customer ID |

Outputs

| Parameter | Type | Description |
|-------------|----------------------|---------------------------------|
| domainId | int | Domain ID |
| customerId | int | Customer ID |
| domainNames | JSON array of string | Domain names of customer |
| type | string | Type of domains CUST (customer) |

Add or edit a domain under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------|--|---------------------|---------|
| GET | /customers/{cid}/domains | Create or update a domain under a customer | See the next table. | 200 OK |

Arguments

| Parameter | Type | Description |
|-------------|----------------------|---------------------------------|
| domainId | int | Domain ID |
| customerId | int | Customer ID |
| domainNames | JSON array of string | Domain names of customer |
| type | string | Type of domains CUST (customer) |

Customer policy and object permission

Display policy tab permission resource under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------------|---|-----------|------------------------|
| GET | /customers/{cid}/policyobjects | Display policy tab permission resource under a customer | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| cid | int | Customer ID |

Outputs

| Parameter | Type | Description |
|--------------------|---------|---------------------------------------|
| Id | int | Tab permission ID |
| customerId | int | Customer ID |
| webfilter | boolean | Web Filter object permission |
| applicationControl | boolean | Application control object permission |
| dlp | boolean | DLP object permission |
| firewallAddress | boolean | Firewall Address object permission |
| policyObjectWrite | boolean | Policy-Object write permission |
| ipsSensor | boolean | IPS Sensor object permission |
| antivirus | boolean | Anti-Virus object permission |
| user | boolean | User object permission |
| userGroup | boolean | User Group object permission |
| vip | boolean | Virtual object write permission |
| localCategory | boolean | Local category object permission |
| ratingOverrides | boolean | Rating overrides object permission |
| service | boolean | Service object permission |
| schedule | boolean | Schedule object permission |
| anitSpam | boolean | Anti spam object permission |
| dnsfilter | boolean | DNS filter object permission |
| zoneInterface | boolean | Zone/Interface object permission |
| dlpfilterRegex | boolean | DLP filter regex permission |
| webfilterRegex | boolean | Web filter regex permission |

Create or update policy and object permission resource under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------------|---|---------------------|---------|
| POST | /customers/{cid}/policyobjects | Create or update policy and object permission resource under a customer | See the next table. | 200 OK |

Arguments (JSON payload)

| Parameter | Type | Description |
|--------------------|---------|---------------------------------------|
| webfilter | boolean | Web Filter object permission |
| applicationControl | boolean | Application control object permission |
| dlp | boolean | DLP object permission |
| firewallAddress | boolean | Firewall address object permission |
| policyObjectWrite | boolean | Policy-Object write permission |
| ipsSensor | boolean | IPS Sensor object permission |
| antivirus | boolean | Antivirus object permission |
| user | boolean | User object permission |
| userGroup | boolean | User Group object permission |
| vip | boolean | Virtual Object Write permission |
| localCategory | boolean | Local Category object permission |
| ratingOverrides | boolean | Rating Overrides object permission |
| service | boolean | Service object permission |
| schedule | boolean | Schedule object permission |
| antiSpam | boolean | Anti spam object permission |
| dnsfilter | boolean | DNS filter object permission |
| zoneInterface | boolean | Zone/Interface object permission |
| dlpfilterRegex | boolean | DLP filter regex permission |
| webfilterRegex | boolean | Web filter regex permission |

Customer policy tab permission

Display policy tab permission under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------------------|---|-----------|------------------------|
| GET | /customers/{cid}/policytabs | Display policy tab permission resource under a customer | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| cid | int | Customer ID |

Outputs

| Parameter | Type | Description |
|------------------|---------|----------------------------------|
| Id | int | Tab permission ID |
| customerId | int | Customer ID |
| centralNat | boolean | CentralNat tab permission |
| interfacePolicy6 | boolean | Interface policy tab permission |
| dosPolicy6 | boolean | DosPolicy6 tab permission |
| policy64 | boolean | DosPolicy64 tab permission |
| interfacePolicy | boolean | InterfacePolicy tab permission |
| policy6 | boolean | Policy6 tab permission |
| dosPolicy | boolean | DosPolicy tab permission |
| policy46 | boolean | Policy46 resource tab permission |

Create or update policy tab permission under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------------------|--|---------------------|---------|
| GET | /customers/{cid}/policytabs | Create or update policy tab permission resource under a customer | See the next table. | 200 OK |

Arguments (JSON payload)

| Parameter | Type | Description |
|------------------|---------|---------------------------------|
| Id | int | Tab permission Id |
| customerId | int | Customer Id |
| centralNat | boolean | CentralNat tab permission |
| interfacePolicy6 | boolean | Interface policy tab permission |
| dosPolicy6 | boolean | DosPolicy6 tab permission |

| Parameter | Type | Description |
|-----------------|---------|----------------------------------|
| policy64 | boolean | DosPolicy64 tab permission |
| interfacePolicy | boolean | InterfacePolicy tab permission |
| policy6 | boolean | Policy6 tab permission |
| dosPolicy | boolean | DosPolicy tab permission |
| policy46 | boolean | Policy46 resource tab permission |

Customer tab permission

Display tab permission under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------------|---|-----------|------------------------|
| GET | /customers/{cid}/tabs | Display tab permission under a customer | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| cid | int | Customer ID |

Outputs

| Parameter | Type | Description |
|---------------------|---------|-------------------------------------|
| Id | int | Tab permission ID |
| customerId | int | Customer ID |
| dashboard | boolean | Dashboard tab permission |
| view | boolean | View tab permission |
| wirelessNetwork | boolean | Wireless network tab permission |
| reports | boolean | Reports tab permission |
| rogueAp | boolean | Rogue AP tab permission |
| policy | boolean | Policy tab permission |
| objects | boolean | Objects AP tab permission |
| additionalResources | boolean | Additional resources tab permission |

Create or update tabs permission under a customer

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------------|---|---------------------|---------|
| GET | /customers/{cid}/tabs | Create or update tabs permission under a customer | See the next table. | 200 OK |

Arguments (JSON payload)

| Parameter | Type | Description |
|---------------------|---------|-------------------------------------|
| Id | int | Tab permission ID |
| customerId | int | Customer ID |
| dashboard | boolean | Dashboard tab permission |
| view | boolean | View tab permission |
| wirelessNetwork | boolean | Wireless network tab permission |
| reports | boolean | Reports tab permission |
| rogueAp | boolean | Rogue AP tab permission |
| policy | boolean | Policy tab permission |
| objects | boolean | Objects AP tab permission |
| additionalResources | boolean | Additional resources tab permission |

Customer widget permissions

Display widget permission to a customer

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------|---|-----------|------------------------|
| GET | /customers/{cid}/widgets | Display widget permission to a customer | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |

Outputs

| Parameter | Type | Description |
|--------------------|------------|------------------------|
| widgetPermissionId | int | Widget Permission ID |
| customerId | int | Customer ID |
| widgets | JSON array | List of widgets object |

Create or update widget permissions of a customer

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------|---|---------------------|---------|
| POST | /customers/{cid}/widgets | Create or update widget permissions of a customer | See the next table. | 200 OK |

Arguments (JSON payload)

| Parameter | Type | Description |
|--------------------|------------|------------------------|
| widgetPermissionId | int | Widget Permission Id |
| customerId | int | Customer Id |
| widgets | JSON array | List of widgets object |

FortiAnalyzer

FortiPortal contains a record for each FortiAnalyzer that is registered in this FortiPortal.

Get all FortiAnalyzer units

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------|--|-----------|------------|
| GET | /fortianalyzers | Retrieve information about all FortiAnalyzer units | None | JSON array |

Arguments

None

Outputs (FortiAnalyzer record)

HTTP Response 200 OK

Each FortiAnalyzer record contains the following fields:

| Parameter | Type | Description |
|---------------|--------|---------------------------------|
| adminUserName | string | FortiAnalyzer user name |
| fazVersion | string | FortiAnalyzer firmware version |
| name | string | FortiAnalyzer name |
| ipAddress | string | IP address of the FortiAnalyzer |
| id | int | FortiAnalyzer identifier |
| status | string | Status of the FortiAnalyzer |

Get detailed information for a specific FortiAnalyzer

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|--|-----------|------------|
| GET | /fortianalyzers/{faid} | Retrieve information for the specified FortiAnalyzer | faid | JSON array |

Arguments

| Parameter | Type | Description |
|-----------|------|------------------------------------|
| faid | int | Required. FortiAnalyzer identifier |

Outputs (FortiAnalyzer record)

HTTP Response 200 OK

The FortiAnalyzer record contains the following fields:

| Parameter | Type | Description |
|---------------|--------|--|
| id | int | FortiAnalyzer identifier |
| name | string | FortiAnalyzer name |
| ipAddress | string | IP address of the FortiAnalyzer |
| adminUserName | string | FortiAnalyzer user name |
| status | string | Status of the FortiAnalyzer |
| lastRunTime | int | Most recent FortiAnalyzer polling time |

| Parameter | Type | Description |
|------------|--------|---------------------------------------|
| xmlPort | int | XML port number of the FortiAnalyzer |
| jsonPort | int | JSON port number of the FortiAnalyzer |
| fazVersion | string | FortiAnalyzer firmware version |

Add a new FortiAnalyzer to FortiPortal

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------|-----------------------------------|---------------------|---------|
| POST | /fortianalyzers | Create a new FortiAnalyzer record | See the next table. | faid |

Arguments (JSON payload)

| Parameter | Type | Required | Description |
|----------------|---------|----------|---|
| name | String | Yes | FortiAnalyzer name |
| ipAddress | String | Yes | IP address of the FortiAnalyzer |
| adminUserName | String | Yes | FortiAnalyzer user name |
| adminPassword | String | Yes | FortiAnalyzer password |
| jsonPort | Integer | Yes | FortiAnalyzer JSON port |
| frequencyValue | String | No | FortiAnalyzer polling frequency; always set to poll daily |
| xmlPort | Integer | No | FortiAnalyzer XML port. The default value is 8080. |

Outputs

| Parameter | Type | Description |
|-----------|------|--------------------------|
| faid | int | FortiAnalyzer identifier |

Edit the information for an existing FortiAnalyzer

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|-----------------------------|--------------------------|----------------------|
| POST | /fortianalyzers/{faid} | Edit a FortiAnalyzer record | FortiAnalyzer identifier | HTTP Response 200 OK |

Arguments

| Parameter | Type | Description |
|-----------|--------------|------------------------------------|
| faid | int | Required. FortiAnalyzer identifier |
| | JSON payload | See the next table. |

Arguments (JSON payload)

| Parameter | Type | Required | Description |
|----------------|---------|----------|---|
| name | String | Yes | FortiAnalyzer name |
| ipAddress | String | Yes | IP address of the FortiAnalyzer |
| adminUserName | String | Yes | FortiAnalyzer user name |
| adminPassword | String | Yes | FortiAnalyzer password |
| jsonPort | Integer | Yes | FortiAnalyzer JSON port |
| frequencyValue | String | No | FortiAnalyzer polling frequency; always set to poll daily |
| xmlPort | Integer | No | FortiAnalyzer XML port. The default value is 8080. |

Outputs

HTTP Response 200 OK

Delete a FortiAnalyzer record

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|----------------------------------|-----------|----------------------|
| DELETE | /fortianalyzers/{faid} | Delete the FortiAnalyzer record. | faid | HTTP Response 200 OK |

Arguments

| Parameter | Type | Description |
|-----------|------|------------------------------------|
| faid | int | Required. FortiAnalyzer identifier |

Outputs

HTTP Response 200 OK

Update the list of FortiAnalyzer reports

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------------|---|-----------|----------------------|
| GET | /fortianalyzers/{faid}/pollnow | Update the list of FortiAnalyzer reports. | faid | HTTP Response 200 OK |

Arguments

| Parameter | Type | Description |
|-----------|------|------------------------------------|
| faid | int | Required. FortiAnalyzer identifier |

Get FortiAnalyzer report templates for a specific FortiAnalyzer

| Method | URL | Description | Arguments | Outputs |
|--------|--|--|-----------|------------|
| GET | /fortianalyzers/{faid}/reporttemplates | Retrieve a list of FortiAnalyzer report templates for a specific FortiAnalyzer | faid | JSON array |

Arguments

| Parameter | Type | Description |
|-----------|------|------------------------------------|
| faid | int | Required. FortiAnalyzer identifier |

Outputs (FortiAnalyzer report template record)

HTTP Response 200 OK

The FortiAnalyzer report template record contains the following fields:

| Parameter | Type | Description |
|--------------|--------|---|
| fazId | int | FortiAnalyzer identifier |
| reportName | string | Name of the FortiAnalyzer report template |
| reportId | int | FortiAnalyzer report template identifier |
| fazName | string | FortiAnalyzer name |
| customerId | int | Customer identifier |
| adom | string | Name of ADOM |
| customerName | string | Customer name |

FortiManager

FortiPortal contains a record for each FortiManager that is registered in this FortiPortal.

Get FortiManager information

| Method | URL | Description | Arguments | Outputs |
|--------|----------------|-----------------------------------|-----------|------------|
| GET | /fortimanagers | Retrieve FortiManager information | None | JSON array |

Arguments

None

Outputs

| Parameter | Type | Description |
|-----------|------------|--|
| | JSON array | Array of FortiManager records, one entry per FortiManager. Each record contains a unique FortiManager ID. See the FortiManager Record table. |

Get information for a specified FortiManager

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------------|---|-----------|------------------------|
| GET | /fortimanagers/{fmid} | Retrieve information for the specified FortiManager | fmid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------------------|
| fmid | int | FortiManager identifier |

Outputs (FortiManager record)

| Parameter | Type | Description |
|----------------|------|-------------------------|
| fortiManagerId | int | FortiManager identifier |

| Parameter | Type | Description |
|------------------|--------|--|
| fortiManagerName | String | FortiManager name |
| haMode | String | HA mode (standalone, master, or slave) |
| Status | String | Status of the FortiManager |
| connectionStatus | String | Connection status - Up or Down. |
| ipAddress | String | IP address of the FortiManager |
| portNumber | int | Port number of the FortiManager |

FortiManager polling

| Method | URL | Description | Arguments | Outputs |
|--------|-------------------------------|---|-----------|---------------------------|
| GET | /fortimanagers/{fmid}/pollnow | The poll updates the list of FortiManager devices in the FortiPortal. | fmid | 200 OK 400 Bad Request |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------------------|
| fmid | int | FortiManager identifier |

Create a FortiManager record

| Method | URL | Description | Arguments | Outputs |
|--------|----------------|----------------------------------|-----------|---------|
| POST | /fortimanagers | Create a new FortiManager record | userType | fmid |

Arguments (FortiManager fields—JSON payload)

| Parameter | Type | Required | Description |
|------------------|--------|----------|---|
| fortiManagerName | String | Yes | FortiManager name |
| ipAddress | String | Yes | IP address of the FortiManager |
| adminUserName | String | Yes | Admin user name |
| adminPassword | String | Yes | Password for the admin user. |
| frequencyValue | String | Yes | Polling frequency (No polling, daily, weekly or monthly). |
| portNumber | int | Yes | Port number of the FortiManager |

Outputs

| Parameter | Type | Description |
|-----------|------|-------------------------|
| fmid | int | FortiManager identifier |

Edit a FortiManager record

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------------|----------------------------|-------------------------|---------|
| POST | /fortimanagers/{fmid} | Edit a FortiManager record | FortiManager identifier | |

Arguments

| Parameter | Type | Description |
|-----------|--------------|--|
| fmid | int | FortiManager identifier |
| | JSON payload | See the FortiManager fields table. |

Outputs

None.

Delete a FortiManager record

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------------|---------------------------------|-----------|---------|
| POST | /fortimanagers/delete/{fmid} | Delete the FortiManager record. | fmid | none |

Arguments

| Parameter | Type | Description |
|-----------|------|------------------|
| fmid | int | FortiManager ID. |

Outputs

None.

Customer policy installation details

Return a list of policy installations executed for the customer

Valid date formats are 'yyyy-MM-dd HH:mm' or 'yyyy-MM-dd HH:mm:ss'; other formats result in an invalid date error response.

| Method | URL | Description | Arguments | Outputs |
|--------|--|---|-------------------------|------------------------|
| GET | /fpc/api/customers/{cid}/installs/?startdate='yyyy-MM-dd HH:mm:ss'&enddate='yyyy-MM-dd HH:mm:ss' | Return a list of policy installations executed for the customer | cid, Startdate, Enddate | See the Outputs table. |

Argument—Path

| Parameter | Type | Description |
|----------------|------|--------------|
| cid (required) | int | Customer ID. |

Arguments—Query

| Parameter | Type | Description |
|----------------------|--------|---|
| Startdate (required) | string | Startdate: start of date range. Date format : 'yyyy-MM-dd HH:mm:ss' |
| Enddate (required) | string | Enddate: end of date range. Date format : 'yyyy-MM-dd HH:mm:ss' |

Outputs

HTTP Response: 200 OK

Response Data: Array of policy installations details

| Parameter | Type | Description |
|--------------|--------|---|
| Id | int | Installation ID |
| taskId | int | Task ID for installation as in FortiManager |
| customerId | int | Customer ID |
| customerName | string | Customer name |
| userId | int | User Id who initiated policy installation |
| username | string | User name |
| deviceName | string | Device name (FortiGate name) |

| Parameter | Type | Description |
|----------------|--------|---|
| packageName | string | Name of package in FortiManager that is being installed in device |
| vdomName | string | Vdom Name in FortiManager |
| adomName | string | Adom Name in FortiManager |
| taskDetails | string | Message about installation task |
| fortiManagerId | int | FortiManager ID |
| createdOn | long | Created on |

Get details of a specific policy installation

InstallId is the Id of Installation resources

| Method | URL | Description | Arguments | Outputs |
|--------|---|---|---------------------|-----------------------|
| GET | /fpc/api/customers/{cid}/installs/{installid} | Get details of policy installation for given install id | See the next table. | See the Output table. |

Arguments (Path parameter)

| Parameter | Type | Description |
|-----------------------|------|-------------------------|
| InstallId (required) | int | Installation identifier |
| customerId (required) | int | Customer identifier |

Output

HTTP Response 200 OK

| Parameter | Type | Description |
|----------------------|--------|--|
| InstallId (required) | int | Installation ID |
| taskId | int | Taskid for installation as in FortiManager |
| customerId | int | Customer ID |
| customerName | string | Customer name |
| installationLog | string | Installation log details from FortiManager |
| errorCoce | string | Error code from FortiManager |
| errorMsg | string | Error message from FortiManager |

Customer sites provisioning

FortiPortal contains a record for each site that is defined for a customer.

Get all customer sites

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|--|-----------|------------|
| GET | /customers/{cid}/sites | List all sites for a particular customer | cid | JSON array |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |

Outputs

| Parameter | Type | Description |
|-----------|------------|---|
| | JSON array | Array of customer site records. One entry per customer site, each record contains a unique site ID. See the Customer Site Record table. |

Get a specific customer site

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------------|--|-----------|----------------------|
| GET | /customers/{cid}/sites/{sid} | List the user information for a particular site id | cid, sid | customer site record |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |
| sid | int | Site ID. |

Outputs (customer site record)

The customer site record contains the following fields:

| Parameter | Type | Description |
|-----------------|-----------|-----------------------------------|
| networkId | int | Site ID. |
| networkName | String | Name of the site. |
| contactName | String | Name of the contact for the site. |
| contactEmail | String | Email address of the contact. |
| status | String | Site status (active or inactive) |
| fpcDeviceModels | JSONArray | Devices assigned to the site |

Create a new customer site

The network name must be 45 or fewer characters. The system does not support more than 45 characters for a network name.

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|---|---------------------|---------|
| POST | /customers/{cid}/sites | Create a new site for a particular customer | See the next table. | cid |

Arguments

| Parameter | Type | Description |
|----------------------|--------------|---------------------|
| cid | int | Customer ID. |
| customer site fields | JSON payload | See the next table. |

Arguments (customer site fields)

| Parameter | Type | Required | Description |
|-----------------|------------|----------|--|
| networkName | String | Y | Name of the network. NOTE: The network name must be 45 or fewer characters. The system does not support more than 45 characters for a network name. |
| contactName | String | Y | Name of the contact for the site. |
| contactEmail | String | Y | Email address of the contact. |
| status | String | | Site status (active or inactive) |
| fpcDeviceModels | JSON array | | Devices assigned to the site |

Outputs

| Parameter | Type | Description |
|-----------|------|-------------------------------|
| sid | int | ID of the newly created site. |

Edit a customer site record

The name of a customer site must be 45 or fewer characters. The system does not support more than 45 characters for a customer site name.

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------------|------------------------|---------------------|---------|
| POST | /customers/{cid}/sites/{sid} | Edit an existing site. | See the next table. | none |

Arguments

| Parameter | Type | Description |
|----------------------|--------------|--|
| cid | int | customer ID |
| sid | int | site ID |
| customer site fields | JSON payload | See Arguments (customer WiFi network fields) . |

Delete a customer site

| Method | URL | Description | Arguments | Outputs |
|--------|-------------------------------------|---------------------------|-----------|---------|
| POST | /customers/{cid}/sites/delete/{sid} | Delete the customer site. | none | none |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |
| sid | int | Site ID. |

No outputs.

Customer user

FortiPortal contains a record for each user that is defined for a customer.

Get all customer users

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|--|-----------|------------|
| GET | /customers/{cid}/users | List all users for a particular customer | cid | JSON array |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |

Outputs

| Parameter | Type | Description |
|-----------|------------|---|
| | JSON array | Array of customer user records. One entry per customer user, each record contains a unique user ID. See the Customer User Record table. |

See the [Customer User Record](#) table for the contents of a customer user record.

Get a specific customer user

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------------|--|-----------|----------------------|
| GET | /customers/{cid}/users/{uid} | List the user information for a particular user id | cid, uid | customer user record |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |
| uid | int | User ID. |

Outputs (customer user record)

The customer user record contains the following fields:

| Parameter | Type | Description |
|-----------|------------|----------------------------------|
| userId | int | User ID. |
| userName | String | Name of the user. |
| firstName | String | First name of the user. |
| lastName | String | Last name of the user. |
| email | String | Email address of the user. |
| userType | String | Type of user (customer or SP) |
| status | String | User status (active or inactive) |
| roles | JSON array | Roles assigned to the user |

Create a new customer user

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|---|---------------------|---------|
| POST | /customers/{cid}/users | Create a new user under a particular customer | See the next table. | cid |

Arguments

| Parameter | Type | Description |
|----------------------|--------------|---------------------|
| cid | int | Customer ID. |
| customer user fields | JSON payload | See the next table. |

Arguments (customer user fields)

| Parameter | Type | Required | Description |
|-----------|--------|----------|-------------------------|
| userName | String | Y | Name of the user. |
| firstName | String | Y | First name of the user. |
| lastName | String | Y | Last name of the user. |
| password | String | Y | Password for the user. |
| address1 | String | | Address line 1 |
| address2 | String | | Address line 2 |

| Parameter | Type | Required | Description |
|-----------|------------|----------|--------------------------------------|
| city | String | | Name of the city |
| state | String | | Name of the state |
| zip | String | | Postal code |
| country | | | Country |
| phone | String | | Phone number for the user |
| fax | String | | Fax number for the user |
| email | String | Y | Email address of the contact person. |
| pwdEnable | boolean | | Password policy |
| roles | JSON array | | Array of user roles. |

Outputs

| Parameter | Type | Description |
|-----------|------|--------------------------------------|
| uid | int | Unique ID of the newly created user. |

Edit an existing customer user

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------------|------------------------------------|---------------------|---------|
| POST | /customers/{cid}/users/{uid} | Edit the existing user information | See the next table. | none |

Arguments

| Parameter | Type | Description |
|----------------------|--------------|---|
| cid | int | customer ID |
| uid | int | user ID |
| customer user fields | JSON payload | See the Arguments (customer user fields) table. |

Delete a customer user

| Method | URL | Description | Arguments | Outputs |
|--------|-------------------------------------|-----------------------------------|-----------|---------|
| POST | /customers/{cid}/users/delete/{uid} | Delete the user from the customer | none | none |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |
| uid | int | User ID. |

No outputs.

Customer widgets

FortiPortal contains a record for each widget that a customer is using in the customer's portal dashboard.

Get all customer widgets

| Method | URL | Description | Arguments | Outputs |
|--------|--------------------------|--|-----------|------------|
| GET | /customers/{cid}/widgets | List all widgets for a particular customer | cid | JSON array |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |

Outputs

| Parameter | Type | Description |
|-----------|--------|----------------------|
| uid | String | Widget unique string |
| widgetId | int | Widget ID. |
| name | String | Name of the widget. |

Customer WiFi networks

FortiPortal contains a record for each WiFi network that is defined for the specified customer site.

Get all customer WiFi networks

| Method | URL | Description | Arguments | Outputs |
|--------|---|--|-----------|------------|
| GET | /customers/{cid}/sites/{sid}/wifinetworks | List all WiFi networks for a particular customer | cid, sid | JSON array |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------------|
| cid | int | Customer ID. |
| sid | int | Customer Site ID. |

Outputs

| Parameter | Type | Description |
|-----------|------------|---|
| | JSON array | Array of customer WiFi network records. One entry per WiFi network, each record contains a unique network ID. See the Customer Wifi Network Record table. |

Get a specific customer WiFi network

| Method | URL | Description | Arguments | Outputs |
|--------|--|---|-------------------------|------------------------------|
| GET | /customers/{cid}/sites/{sid}/wifinetwork/{wifiNetworkId} | List the WiFi network information for a particular network id | cid, sid, wifiNetworkId | customer WiFi network record |

Arguments

| Parameter | Type | Description |
|---------------|------|-----------------|
| cid | int | Customer ID. |
| sid | int | Site ID. |
| wifiNetworkId | int | WiFi network ID |

Outputs (customer WiFi network record)

The customer WiFi network record contains the following fields:

| Parameter | Type | Description |
|-----------------|------------|---------------------------------------|
| wifiNetworkId | int | WiFi network ID. |
| wifiNetworkName | String | Name of the site. |
| contactName | String | Name of the contact for the site. |
| contactEmail | String | Email address of the contact. |
| status | String | Site status (active or inactive). |
| fpcwFapModels | JSON array | Fortinet APs assigned to the network. |

Create a new customer WiFi network

| Method | URL | Description | Arguments | Outputs |
|--------|---|--|---------------------|---------------|
| POST | /customers/{cid}/sites/{sid}/wifinetworks | Create a new network for a particular customer | See the next table. | wifiNetworkId |

Arguments

| Parameter | Type | Description |
|------------------------------|--------------|---------------------|
| cid | int | Customer ID. |
| sid | int | Site ID |
| customer WiFi network fields | JSON payload | See the next table. |

Arguments (customer WiFi network fields)

| Parameter | Type | Required | Description |
|-----------------|------------|----------|---------------------------------------|
| wifiNetworkName | String | Y | Name of the network. |
| contactName | String | Y | Name of the contact for the network. |
| contactEmail | String | Y | Email address of the contact. |
| status | String | | Network status (active or inactive). |
| fpcwFapModels | JSON array | | Fortinet APs assigned to the network. |

Outputs

| Parameter | Type | Description |
|---------------|------|----------------------------------|
| wifiNetworkId | int | ID of the newly created network. |

Edit a customer WiFi network

| Method | URL | Description | Arguments | Outputs |
|--------|--|--------------------------------|---------------------|---------|
| POST | /customers/{cid}/sites/{sid}/wifinetwork/{wifiNetworkId} | Edit an existing WiFi network. | See the next table. | none |

Arguments

| Parameter | Type | Description |
|----------------|--------------|--|
| cid | int | customer ID |
| sid | int | site ID |
| wifiNetworkId | int | WiFi network ID |
| network fields | JSON payload | See Arguments (customer site fields) . |

Outputs

None.

Delete a customer WiFi network

| Method | URL | Description | Arguments | Outputs |
|--------|--|-----------------------------------|--------------------|---------|
| POST | /customers/{cid}/sites/{sid}/wifinetworks/delete/{wifiNetworkId} | Delete the customer WiFi network. | See the next table | none |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |
| sid | int | Site ID. |

Outputs

None.

System provisioning

These API endpoints allow you to retrieve system-provisioning information.

Get all devices

| Method | URL | Description | Arguments | Outputs |
|--------|--|---|---------------|------------|
| GET | /devices or /devices?status= | Retrieve all devices | none required | JSON array |
| GET | /devices?haRole=master and /devices?haRole=slave | Retrieve the master devices or the slave devices, depending on the value specified. | haRole | JSON array |
| GET | /devices?status=available | Retrieve the devices that can be assigned to customer sites | status | JSON array |

Arguments

| Parameter | Type | Description |
|-----------|--------|---|
| haRole | string | If the value is <code>master</code> , all master devices are returned. If the value is <code>slave</code> , all slave devices are returned. NOTE: the values are case sensitive; use all lower-case letters for <code>master</code> and <code>slave</code> . |
| status | string | If no value is specified, all devices are returned. If the value is <code>available</code> , the devices that can be assigned to customer sites are returned. |

Outputs

| Parameter | Type | Description |
|--------------|--------|----------------------------------|
| deviceId | int | Device ID. |
| deviceName | String | Name of the device. |
| customerName | String | Customer name or empty. |
| serialNumber | String | The serial number of the device. |

| Parameter | Type | Description |
|------------|--------|--|
| haRole | String | The role of the device, either master or slave. |
| version | String | The value is <code>original</code> , <code>new</code> , or <code>old</code> . Devices with a <code>new</code> or <code>original</code> version can be assigned to the customer if they are not associated with any other customer. |
| customerId | String | Customer ID if the device is assigned to a customer, otherwise empty |

Get all ADOMs

| Method | URL | Description | Arguments | Outputs |
|--------|--------|--|-----------|------------|
| GET | /adoms | Retrieve all ADOMs and the customers assigned to each one. | none | JSON array |

Arguments

None.

Outputs

| Parameter | Type | Description |
|-----------|-------------|---|
| customers | JSON object | List of customer ID and customer names assigned to the adom |
| adom | String | ADOM name |

Get all roles

| Method | URL | Description | Arguments | Outputs |
|--------|--------|--------------------|-----------|------------|
| GET | /roles | Retrieve all roles | none | JSON array |

Arguments

None.

Outputs

| Parameter | Type | Description |
|----------------|--------|--------------------------|
| roleId | int | Role ID. |
| rolesName | String | Name of the roles. |
| rolesType | String | Type of role, SP or CUST |
| roleCreateType | String | Default or custom. |

Get information for a specified role

| Method | URL | Description | Arguments | Outputs |
|--------|-----------------|-----------------------------|-----------|------------------------|
| GET | /roles/{roleId} | Retrieve the specified role | roleId | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| roleId | int | Role ID. |

Outputs

| Parameter | Type | Description |
|----------------|------------|--|
| roleId | int | Role ID. |
| roleName | String | Name of the roles. |
| roleType | String | Type of role, SP or CUST |
| roleCreateType | String | Default or custom. |
| Permissions | JSON array | Each entry includes the permission name and permission ID. |

Get all FAPs

| Method | URL | Description | Arguments | Outputs |
|--------|-------|---------------------------|-----------|------------|
| GET | /faps | Retrieve all Fortinet APs | none | JSON array |

Arguments

None.

Outputs

| Parameter | Type | Description |
|--------------|--------|----------------------------------|
| fapName | String | Name of the Fortinet AP. |
| serialNumber | String | Serial Number of the Fortinet AP |
| osVersion | String | OS Version. |
| customerId | int | Customer ID. |
| fapId | int | ID of the Fortinet AP. |

Get audit logs

| Method | URL | Description | Arguments | Outputs |
|--------|---|--|-----------------------|------------|
| GET | /auditlogs?Start_date= "MM/dd/yyyy" &End_date= "MM/dd/yyyy" or /auditlogs?frequencyValue=<time> | Retrieve the audit logs for the specified time range or the specified number or days or hours. | See the next section. | JSON array |
| GET | /auditlogs?frequencyValue=<time>&pageStart=<row_number>&pageLength=<number_of_records> | Retrieve the specified number of records for the specified number of days or hours. | See the next section. | JSON array |

Arguments (query parameters)

| Parameter | Type | Description |
|----------------|----------|--|
| frequencyValue | String | The number of hours or days of audit logs. If frequencyValue is not specified, the default is one day. NOTE: Provide either the frequencyValue or the Start_date and End_date. |
| Start_date | datetime | Start date. The format is "MM/dd/yyyy". If the date range is not specified, the default is one day. NOTE: Provide either the frequencyValue or the Start_date and End_date. |

| Parameter | Type | Description |
|------------|----------|---|
| End_date | datetime | End date. The format is "MM/dd/yyyy". If the date range is not specified, the default is one day. NOTE: Provide either the frequencyValue or the Start_date and End_date. |
| pageStart | int | The starting row number for the records to return. If pageStart is not specified, the default is 0. |
| pageLength | int | The number of records per page to return. If pageLength is not specified, the default is 100 records per page. The maximum value is 1000 records per page. |

The following is the format for frequencyValue:

- For 1 day: "1 00:00:00"
- For 1 hour: "0 01:00:00"
- For 1 week: "7 00:00:00"

To retrieve the first 10 records for one day:

```
fpc/api/auditlogs?frequencyValue="1 00:00:00"&pageStart=0&pageLength=10
```

To retrieve the first 1,000 records for seven days:

```
fpc/api/auditlogs?frequencyValue="7 00:00:00"&pageStart=0&pageLength=1000
```

Outputs

| Parameter | Type | Description |
|-------------------|--------|-------------------|
| dataForDate | int | Date. |
| level | String | Level |
| userName | String | Name of the user. |
| eventType | String | Type of event. |
| Client_ip_address | String | Client IP address |
| message | String | Message |

Get alerts

| Method | URL | Description | Arguments | Outputs |
|--------|---------|--|---------------------|------------|
| GET | /alerts | Retrieve list the alert logs for a given date range. By default, returns Alerts for SP for 1 day range. | See the next table. | JSON array |

Arguments (JSON payload)

| Parameter | Type | Description |
|----------------|--------|--|
| userType | String | SP – for service provider users CUST – for customer users Default or no query parameter – returns all users. |
| frequencyValue | String | Default in One day (“1 00:00:00”) |
| customerId | int | If alert related to customer is needed (userType has to be CUST) |

Outputs

| Parameter | Type | Description |
|---------------|--------|--|
| alertReceiver | String | Name of the SP or customer that the receiver for this alert message. |
| alertType | String | Level of the alert (warn, info, and so on) |
| createdOn | date | Date the alert was received |
| contentId | String | Alert message content. |

Get cloud usage

| Method | URL | Description | Arguments | Outputs |
|--------|-------------|--|-----------|---------------------|
| GET | /cloudusage | Retrieve cloud usage for all customers | None | See the next table. |

Outputs

| Parameter | Type | Description |
|-------------------------|--------|-------------------------------|
| totalStorage | String | Total usage for all customers |
| allocatedStorage | String | Allocated storage |
| usedStorage | String | Storage in MB, GB, and so on |
| usedStorageinPercentage | String | Used storage in percentage |
| totalCustomers | String | Number of customers |

Get cloud usage for a specific customer

| Method | URL | Description | Arguments | Outputs |
|--------|-------------------|--|-----------|------------------------|
| GET | /cloudusage/{cid} | Retrieve cloud usage for the specified customer. | cid | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|------|--------------|
| cid | int | Customer ID. |

Outputs

| Parameter | Type | Description |
|-------------------------|--------|-------------------------------|
| totalStorage | String | Total usage for this customer |
| totalFreeStorage | String | Free storage |
| usedStorage | String | Storage in MB, GB, and so on |
| usedStorageinPercentage | String | Used storage in percentage |

Get countries

| Method | URL | Description | Arguments | Outputs |
|--------|------------|---|-----------|---------------------|
| GET | /countries | Retrieve a list of all countries in the FortiPortal database. | None | See the next table. |

Outputs

| Parameter | Type | Description |
|-------------|--------|--|
| country | int | Country ID |
| countryCode | String | Short code for the country (for example, "US") |
| countryName | String | Country name |

Get details for a specific country

| Method | URL | Description | Arguments | Outputs |
|--------|------------------------|--|-----------|------------|
| GET | /countries/{countryId} | Get details for the specified country. | countryId | See below. |

Arguments

| Parameter | Type | Description |
|-----------|------|-------------|
| countryId | int | Country ID. |

Outputs

| Parameter | Type | Description |
|-------------|--------|--|
| country | int | Country ID |
| countryCode | String | Short code for the country (for example, "US") |
| countryName | String | Country name |

Get policy installations by all customers in a specified time range

| Method | URL | Description | Arguments | Outputs |
|--------|--|--|--------------------|--------------------------|
| GET | /installs/?startdate='yyyy-MM-dd HH:mm:ss'&enddate='yyyy-MM-dd HH:mm:ss' | Get policy installations for all customers in a specified time range | startdate, enddate | See the following table. |

Arguments

| Parameter | Type | Description |
|----------------------|--------|---|
| Startdate (required) | string | Startdate: start of date range. Date format : 'yyyy-MM-dd HH:mm:ss' |
| Enddate (required) | string | Enddate: end of date range. Date format : 'yyyy-MM-dd HH:mm:ss' |

Outputs

| Parameter | Type | Description |
|-----------|------|-------------|
| country | int | Country ID |

| Parameter | Type | Description |
|-------------|--------|--|
| countryCode | String | Short code for the country (for example, "US") |
| countryName | String | Country name |

Users

FortiPortal contains a record for each service provider user and customer user in the system. You can use these API endpoints to create a new service provider user.

Get all users

| Method | URL | Description | Arguments | Outputs |
|--------|--------|--|-----------|------------|
| GET | /users | Retrieve all local service provider and/or customer users in the FortiPortal | userType | JSON array |

Arguments

| Parameter | Type | Description |
|-----------|--------|--|
| userType | String | SP – for service provider users CUST – for customer users Default or no query parameter – returns all users. |

Outputs

| Parameter | Type | Description |
|-----------|------------|-----------------------------------|
| userId | int | user ID. |
| user Name | String | Name of the site. |
| firstName | String | First Name of the contact person. |
| lastName | String | Last Name of the contact person. |
| email | String | Email address of the contact. |
| userType | String | Type of user (customer or SP) |
| status | String | User status (active or inactive). |
| roles | JSON array | Roles assigned to the user. |

Create a service provider user

| Method | URL | Description | Arguments | Outputs |
|--------|--------|------------------------------------|---------------------|---------|
| POST | /users | Create a new service provider user | See the next table. | userId |

Arguments (JSON payload)

| Parameter | Type | Required | Description |
|-----------|------------|----------|--------------------------------------|
| userName | String | | Name of the site. |
| firstName | String | Y | First Name of the contact person. |
| lastName | String | Y | Last Name of the contact person. |
| email | String | Y | Email address of the contact. |
| password | String | | Password for the user. |
| address1 | String | | Address line 1 |
| address2 | String | | Address line 2 |
| city | String | | Name of the city |
| state | String | | Name of the state |
| zip | String | | Postal code |
| country | String | | Country |
| phone | String | | Phone number for the user |
| fax | String | | Fax number for the user |
| email | String | Y | Email address of the contact person. |
| userType | String | | Type of user. Enter SP . |
| pwdEnable | boolean | | Password policy |
| roles | JSON array | | Array of user roles. |

Outputs

| Parameter | Type | Description |
|-----------|------|-------------|
| userId | int | user ID. |

Utility widget

A validation exists to check for valid widgetId, which are of type "CUST." The following API can be used to acquire a list of all widgets that can be applied to the customer.

List all widgets resource by type

| Method | URL | Description | Arguments | Outputs |
|--------|---------------------------------------|--|-----------|------------------------|
| GET | /customers/{cid}/widgets/?type=<type> | List all widgets resource of type (either SP or CUST depending upon query parameter (SP, default)) | type | See the Outputs table. |

Arguments

| Parameter | Type | Description |
|-----------|--------|---|
| type | string | Type of widget Customer "CUST" or Service provider "SP" |

Outputs

HTTP Response 200 OK

Response Data:

| Parameter | Type | Description |
|-----------|--------|-----------------------------------|
| widgetId | int | Widget ID |
| uid | string | Unique identifier name for widget |
| name | string | Name of widget |
| type | string | SP or CUST |

API examples

You can access the API from most browsers using the GET method.

The examples in this chapter make requests using cURL, which is more flexible than using a browser alone, works across platforms, and most scripts can call it. Using cURL is not as flexible as native scripting languages, but it is useful for illustrating how the API functions.

Log in

Request

```
POST https://<ip address>:<port>/fpc/api/login
```

Headers

```
Content-type: application/json
```

Payload

```
{  
  "user" : "spuser",  
  "password" : "test123"  
}
```

Response

```
Status : 200 OK
```

```
{  
  "sid" : "8478V00xYhva_ndcihDi203ru3clauaUbllicew0W_TT"  
}
```

Create a new site

This example shows how to create a new site for the customer with ID.

Request

```
POST https://<ip address>:<port>/fpc/api/customers/1/sites
```

Headers

```
Content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{
  "networkName" : "site1",
  "contactName" : "Peter",
  "contactEmail" : peter@fortinet.com,
  "contactPhone" : "408-235-7700"
  "fpcDeviceModels": [ {"deviceId" : 3}, {"deviceId" : 2}]
}
```

Response

```
Status : 200 OK
{
  "networked" : 5
}
```

Comment-based and name-based filters

Get a list of filters assigned to a specific customer

Request

```
GET http://localhost:8080/fpc/api/customers/{cid}/commentnamebasedfilters
```

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

```
{
  "customerId" : 6,
  "commentBasedFilter" : ["new1", "hello1"],
  "nameBasedFilter" : ["go", "good"]
}
```

Update the filters assigned to a specific customer

Request

POST `http://localhost:8080/fpc/api/customers/{cid}/commentnamebasedfilters`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{
  "customerId" : 6,
  "commentBasedFilter" : ["new filters", "pfilter"],
  "nameBasedFilter" : ["objfilter1", "cs22"]
}
```

Response

Status 200 OK

Validation

If domain names are not unique, more than 10, or does not satisfy characters criteria, it will respond as Status 400 Bad Request and with message as follows:

- {"domainNames": "Domain Name must be unique, xyz.com,def.com already exists"}
- {"domainNames": "Domain Name (xdfd23232!@#yzcom) is Invalid"}
- {"domainNames": "Domain Names count reached max limit of 10"}

Customers domain

GET example

Request

GET `http://localhost:8080/fpc/api/customers/1/domains`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

```
{
  "domainId": 1,
  "domainNames": [
    "abc.com",
    "test.com",
    "hello.com"
  ],
  "type": "CUST",
  "customerId": 1
}
```

POST example (update domains)

Request

POST <http://localhost:8080/fpc/api/customers/1/domains>

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{
  "domainNames": [
    "abc.com",
    "xyz.com"
  ],
  "customerId": 1
}
```

Response

Status 200 OK

Validation

If domain names are not unique, more than 10, or does not satisfy characters criteria, it will respond as Status 400 Bad Request and with message as follows:

- {"domainNames": "Domain Name must be unique, xyz.com,def.com already exists"}
- {"domainNames": "Domain Name (xdfd23232!@#yzcom) is Invalid"}
- {"domainNames": "Domain Names count reached max limit of 10"}

Customers tab permission

GET example

Request

GET `http://localhost:8080/fpc/api/customers/1/tabs`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

```
{
  "id": 1,
  "dashboard": true,
  "view": true,
  "wirelessNetwork": false,
  "reports": true,
  "rogueAp": false,
  "policy": false,
  "objects": false,
  "additionalResources": false,
  "customerId": 1
}
```

POST example (update tab permissions)

Request

POST `http://localhost:8080/fpc/api/customers/1/tabs`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{
  "wirelessNetwork": false,
  "dashboard": true,
  "view": true,
  "reports": true,
  "rogueAp": true,
  "policy": false,
  "objects": true,
  "additionalResources": false,
  "customerId": 1
}
```

If Analytics is enabled dashboard, view and reports will always be true (even if it is set false in JSON payload it will override) and vice-versa.

Response

Status 200 OK

Customers policy tab permission

GET example

Request

GET http://localhost:8080/fpc/api/customers/1/policytabs

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

```
{
  "centralNat": false,
```

```
"interfacePolicy6": false,  
"dosPolicy6": false,  
"policy64": false,  
"interfacePolicy": false,  
"policy6": false,  
"dosPolicy": true,  
"policy46": false,  
"id": 1,  
"customerId": 1  
}
```

POST example (update policy tab permissions)

Request

POST <http://localhost:8080/fpc/api/customers/1/policytabs>

Headers

```
accept: application/json  
content-type: application/json  
fpc-sid: $FPCSID  
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{  
  "centralNat": false,  
  "interfacePolicy6": false,  
  "dosPolicy6": false,  
  "policy64": false,  
  "interfacePolicy": false,  
  "policy6": false,  
  "dosPolicy": false,  
  "policy46": true,  
  "customerId": 1  
}
```

Response

Status 200 OK

Customers policy and objects permission

GET example

Request

```
GET http://localhost:8080/fpc/api/customers/1/policyobjects
```

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

```
{
  "id": 1,
  "customerId": 1,
  "webfilter": false,
  "applicationControl": false,
  "antiSpam": false,
  "dlp": false,
  "firewallAddress": false,
  "schedule": false,
  "policyObjectWrite": false,
  "ipsSensor": false,
  "antivirus": false,
  "user": false,
  "userGroup": false,
  "vip": false,
  "localCategory": false,
  "ratingOverrides": false,
  "service": false
}
```

POST example (update tab permissions)

Request

```
POST http://localhost:8080/fpc/api/customers/1/policytabs
```

Headers

```
accept: application/json
content-type: application/json
```



```
fpc-sid: $FPCSID  
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{  
  "webfilter": true,  
  "applicationControl": false,  
  "antiSpam": false,  
  "dlp": false,  
  "firewallAddress": true,  
  "schedule": true,  
  "policyObjectWrite": true,  
  "ipsSensor": false,  
  "antivirus": false,  
  "user": false,  
  "userGroup": false,  
  "vip": false,  
  "localCategory": true,  
  "ratingOverrides": false,  
  "service": false  
  "customerId": 1  
}
```

Response

Status 200 OK

Customers widget permission

GET example

Request

GET http://localhost:8080/fpc/api/customers/1/widgets

Headers

```
accept: application/json  
content-type: application/json  
fpc-sid: $FPCSID  
Cookie: JSESSIONID=$FPCSID
```

Response

```
{  
  "widgetPermissionId" : 1,  
  "customerId" : 1,
```

```
"widgets" : [{
  "widgetId" : 4,
  "name" : "Top Application Category",
  "uid" : "topAppCategory"
}, {
  "widgetId" : 7,
  "name" : "Top Web",
  "uid" : "topWeb"
}
]
```

POST example (update domains)

Request

POST <http://localhost:8080/fpc/api/customers/1/widgets>

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{
  "customerId" : 1,
  "widgets" : [{
    "widgetId" : 4
  }, {
    "widgetId" : 7
  }
]
```

Response

Status 200 OK

Widget

GET example

Request

GET `http://localhost:8080/fpc/api/widgets/?type=CUST`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

```
[
  {
    "name": "Top Application Category",
    "uid": "topAppCategory",
    "widgetId": 4,
    "type": "CUST"
  },
  {
    "name": "Top Hostname By Traffic",
    "uid": "topHNByTraffic",
    "widgetId": 5,
    "type": "CUST"
  },
  .....
  {
    "name": "Top Region By Traffic",
    "uid": "topRegionByTraffic",
    "widgetId": 6,
    "type": "CUST"
  }
]
```

Customers ADOM list

GET example

Request

GET `http://localhost:8080/fpc/api/customers/1/adoms`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

```
{
  "id": 1,
  "customerId": 1,
  "adoms": [
    "Forti/Adom4_Test",
    "Forti/Adom3_Test"
  ]
}
```

POST example (update domains)

Request

POST `http://localhost:8080/fpc/api/customers/1/adoms`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{
  "customerId": 1,
  "adoms": [
    "Forti/Adom1_Test",
    "Forti/Adom4_Test",
    "Forti/Adom3_Test"
  ]
}
```

```
]
}
```

Response

Status 200 OK

Customers policy installation

GET all example

Request

GET http://localhost:8080/fpc/api/customers/2/installs?startdate=2016-11-14 12:38:08&enddate=2016-12-24 15:38:08

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

Status 200 OK

```
[{
  "id" : 3,
  "taskId" : 681,
  "customerId" : 2,
  "customerName" : "customer two",
  "userid" : 1,
  "userName" : "system-generated",
  "deviceName" : "FGVM010000051257",
  "packageName" : "FGT168_LB_root",
  "vdomName" : "root",
  "taskDetails" : "Policy package FGT168_LB_root install to device FGVM010000051257and vdom
    root started with taskId 681",
  "adomName" : "Adom5_LB",
  "fortimanagerId" : 1,
  "createdOn" : 1479780232000
}, {
  "id" : 4,
  "taskId" : 682,
  "customerId" : 2,
  "customerName" : "customer two",
  "userid" : 1,
  "userName" : "system-generated",
```

```
"deviceName" : "FGVM010000051257",
"packageName" : "FGT168_LB_root",
"vdomName" : "root",
"taskDetails" : "Policy package FGT168_LB_root install to device FGVM010000051257and vdom
  root started with taskId 682",
"adomName" : "Adom5_LB",
"fortimanagerId" : 1,
"createdOn" : 1479929677000
}]
```

GET installation details by ID

Request

POST http://localhost:8080/fpc/api/customers/2/installs/4

Headers

```
accept: application/json
content-type: application/json
fpc-sid: $FPCSID
Cookie: JSESSIONID=$FPCSID
```

Response

Status 200 OK

```
{
  "installId": 4,
  "taskId": 682,
  "customerId": 2,
  "customerName": "customer two",
  "installationLog": " Starting log (Run on device) Start installing FGVM010000051257 $
    config vdom FGVM010000051257 (vdom) $ edit root current vf=root:0 FGVM010000051257
    (root) $ config firewall policy FGVM010000051257 (policy) $ delete 21
    FGVM010000051257 (policy) $ end FGVM010000051257 (root) $ end FGVM010000051257 $
    config vdom FGVM010000051257 (vdom) $ edit root current vf=root:0 FGVM010000051257
    (root) $ config firewall ssl-ssh-profile FGVM010000051257 (ssl-ssh-profile) $ delete
    "_2_default_default_" FGVM010000051257 (ssl-ssh-profile) $ end FGVM010000051257
    (root) $ end ---> generating verification report report <--- done generating verification
    report install finished ",
  "errorCode": "0",
  "errorMsg": "Get Install Log Successfully"
}
```

Display all customers

Request

GET https://<ip address>:<port>/fpc/api/customers

Headers

```
Content-type: application/json
fpc-sid: $FPCSID"
Cookie: JSESSIONID=$FPCSID
```

Response

```
[
  {
    "customerId": 3,
    "customerName": "abc",
    "address1": "",
    "address2": "",
    "city": "",
    "state": "",
    "zip": "",
    "phone": "",
    "fax": "",
    "contactFname": "abc",
    "contactLname": "abc",
    "contactEmail": "abc@abc.com",
    "status": "A",
    "totalStorage": 5,
    "fpcStorage": 1,
    "collectorStorage": 4,
    "collectorStoragePercentage": 80,
    "fpcStorageUsage": 0,
    "collectorStorageUsage": 0,
    "locale": "en",
    "storageType": "GB",
    "analyticsEnabled": "Y"
  },
  {
    "customerId": 2,
    "customerName": "Customer1",
    "address1": "",
    "address2": "",
    "city": "",
    "state": "",
    "zip": "",
    "phone": "",
    "fax": "",
    "contactFname": "Customer",
    "contactLname": "one",
    "contactEmail": "customer@customer.com",
    "status": "A",
```

```
"totalStorage": 5,
"fpcStorage": 1,
"collectorStorage": 4,
"collectorStoragePercentage": 80,
"fpcStorageUsage": 8500,
"collectorStorageUsage": 0,
"deviceName": "tenant-2/fgt13/vd3,Adom4/FG_134/root,root/aaa/pravinvd",
"locale": "en",
"storageType": "GB",
"analyticsEnabled": "Y"
}
]
```

Status : 200 OK

FortiAnalyzer reports

Get unassigned FortiAnalyzer reports that the specified customer can assign

Request

GET http://localhost:8080/fpc/api/customers/1/availablefazreports

Headers

accept: application/json
content-type: application/json
fpc-sid: 9F6FDBC7A65806CFA2322CA525CF912F
Cookie: JSESSIONID=\$FPCSID

Response

```
{
  "ipAddress": null,
  "reportName": "360-Degree Security Review",
  "startTime": null,
  "endTime": null,
  "fazName": "FAZ_TEST",
  "adom": "ADOM_TEST",
  "reportId": 319,
  "customerId": null,
  "fazId": 3,
  "customerName": null,
  "devices": null
}
```


Get FortiAnalyzer reports that are assigned to the specified customer

Request

GET `http://localhost:8080/fpc/api/customers/2/assignedfazreports`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: 9F6FDBC7A65806CFA2322CA525CF912F
Cookie: JSESSIONID=$FPCSID
```

Response

```
{
  "ipAddress": null,
  "reportName": "360-Degree Security Review",
  "startTime": null,
  "endTime": null,
  "fazName": "FAZ_TEST",
  "adom": "ADOM_TEST",
  "reportId": 319,
  "customerId": 2,
  "fazId": 3,
  "customerName": TEST_customer,
  "devices": null
}
```

Assign FortiAnalyzer reports to a customer

Request

POST `http://localhost:8080/fpc/api/customers/3/assignfazreports`

Headers

```
accept: application/json
content-type: application/json
fpc-sid: 9F6FDBC7A65806CFA2322CA525CF912F
Cookie: JSESSIONID=$FPCSID
```

Payload

```
[319,303]
```

Response

Status 200 OK

Unassign FortiAnalyzer reports from a customer

Request

POST <http://localhost:8080/fpc/api/customers/3/unassignfazreports>

Headers

```
accept: application/json
content-type: application/json
fpc-sid: 9F6FDBC7A65806CFA2322CA525CF912F
Cookie: JSESSIONID=$FPCSID
```

Payload

```
[319,303]
```

Response

Status 200 OK

Get all FortiAnalyzer units

Request

GET <http://localhost:8080/fpc/api/fortianalyzers>

Headers

```
accept: application/json
content-type: application/json
fpc-sid: 5CE163D9F2D2C185843C77C6DE2DE2A4
Cookie: JSESSIONID=$FPCSID
```

Response

```
[{
  "adminUserName": "boweilu",
  "fazVersion": null,
  "name": "jad",
  "ipAddress": "0.0.0.0",
```

```
    "id": 1,
    "status": "D"
  },
  {
    "adminUserName": "admin",
    "fazVersion": "v6.0.4-build0292 190109 (GA)",
    "name": "FAZ",
    "ipAddress": "10.106.6.214",
    "id": 3,
    "status": "A"
  }
]
```

Get detailed information for a specific FortiAnalyzer

Request

GET <http://localhost:8080/fpc/api/fortianalyzers/1>

Headers

```
accept: application/json
content-type: application/json
fpc-sid: 5CE163D9F2D2C185843C77C6DE2DE2A4
Cookie: JSESSIONID=$FPCSID
```

Response

```
{
  "id": 1,
  "name": "Faz1",
  "ipAddress": "10.106.6.214",
  "adminUserName": "admin",
  "status": "A",
  "lastRunTime": 1553263143000,
  "xmlPort": 8080,
  "jsonPort": 443,
  "fazVersion": "v6.0.4-build0292 190109 (GA)"
}
```

Add a new FortiAnalyzer to FortiPortal

Request

POST <http://localhost:8080/fpc/api/fortianalyzers>

Headers

```
accept: application/json
```

```
content-type: application/json
fpc-sid: 5CE163D9F2D2C185843C77C6DE2DE2A4
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{
  "name": "testRestAPI",
  "ipAddress": "10.106.6.217",
  "adminUserName": "admin",
  "adminPassword": "admin123",
  "jsonPort": 443,
}
```

Response

```
{
  "fazId": 3
}
```

Edit the information for an existing FortiAnalyzer

Request

POST http://localhost:8080/fpc/api/fortianalyzers/3

Headers

```
accept: application/json
content-type: application/json
fpc-sid: 5CE163D9F2D2C185843C77C6DE2DE2A4
Cookie: JSESSIONID=$FPCSID
```

Payload

```
{
  "name": "testChangeNameRestAPI",
  "ipAddress": "10.106.6.217",
  "adminUserName": "admin",
  "adminPassword": "admin123",
  "jsonPort": 443
}
```

Response

Status 200 OK

Remove a FortiAnalyzer from FortiPortal

Request

DELETE http://localhost:8080/fpc/api/fortianalyzers/3

Headers

```
accept: application/json
content-type: application/json
fpc-sid: 5CE163D9F2D2C185843C77C6DE2DE2A4
Cookie: JSESSIONID=$FPCSID
```

Response

Status 200 OK

Update the list of FortiAnalyzer reports

Request

GET http://localhost:8080/fpc/api/fortianalyzers/3/pollnow

Headers

```
accept: application/json
content-type: application/json
fpc-sid: 5CE163D9F2D2C185843C77C6DE2DE2A4
Cookie: JSESSIONID=$FPCSID
```

Response

Status 200 OK

List FortiAnalyzer report templates for a specific FortiAnalyzer

Request

GET http://localhost:8080/fpc/api/fortianalyzers/3/reporttemplates

Headers

```
accept: application/json
content-type: application/json
```

fpc-sid: 5CE163D9F2D2C185843C77C6DE2DE2A4
Cookie: JSESSIONID=\$FPCSID

Response

```
[{
  "fazId": null,
  "reportName": "360-Degree Security Review",
  "reportId": null,
  "fazName": null,
  "customerId": null,
  "adom": "ADOM_FAZ_60X_60_FOR_CI",
  "customerName": ""
},
{
  "fazId": null,
  "reportName": "Admin and System Events Report",
  "reportId": null,
  "fazName": null,
  "customerId": null,
  "adom": "ADOM_FAZ_60X_60_FOR_CI",
  "customerName": ""
}
]
```



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