High Performance Network Security

FortiPortal REST API Guide

VERSION 5.2.2

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FortiPortal REST API Guide Version 5.2.2

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Change Log

Date	Change Description
June 17, 2019	Initial release for FortiPortal 5.2.2

Introduction

This document provides information about the REST API supported by FortiPortal 5.2.2.

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:

- Fetch data by sending a GET request
- Add data by sending a POST request
- Update data by sending a POST request
- 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:

- Customer Provisioning
    - Customers:
        - List customers and devices associated with the customer
        - Add new customer
        - Edit an existing customer
        - Delete the customer
        - List and update the ADOMs for a specific customer
        - List, add, and edit domains for a customer
        - List all installations related to a customer or details for a specific installation
        - List, add, or update policy, object, and tab permissions for a customer
        - List and update comment-based and name-based filters for a customer
        - List, add, and update widgets for a specific customer
    - Sites
        - List sites
        - Add new site
        - Edit an existing site
        - Delete the site

        - Wifi Networks
            - Add, edit, and delete wireless networks
- User Provisioning
    - Users
        - List users
        - Add new user (customer or server provider user)
        - Edit an existing user
        - Delete the user
        - List roles assigned to the user
- System Provisioning
    - FortiManager
        - List, add, edit, and delete the FortiManager
        - FortiManager polling
    - List all devices and the associated customer
    - List the available devices that can be assigned to customer sites
    - List all FAPs and the associated customer
    - List all roles and the permissions for each role
    - Get cloud usage for customers
    - Display audit and alert logs
    - 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
GET	/customers/{cid}/adoms	Get list of ADOMs assigned to customer
POST	/customers/{cid}/adoms	Update list of ADOMs assigned to customer
POST	/customers/delete/{cid}	Delete customer record
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

Method	Path Parameters	Description
GET	/customers/{cid}/installs?startdate='yyyy-MM-dd HH:mm:ss'&enddate= 'yyyy-MM-dd HH:mm:ss	Get all installation related to customer with given id & within startdate & enddate range Valid date formats: yyyy-MM-dd HH:mm:ss, yyyy-MM-dd HH:mm
GET	/customers/{cid}/installs/{installid}	Get installation details for given install 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

FortiManagers

Method	Path Parameters	Description
GET	/fortimanagers	Retrieve all FortiManagers
GET	/fortimanagers/{fmid}	Retrieve FortiManager by FortiManager ID
GET	/fortimanagers/{fmgid}/pollnow	The poll updates the list of FortiManager devices in the FortiPortal.
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 or 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>

NOTE: 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_ndcihDi203ru3c1auaUb1icew0W_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 reques:

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.

Admin Log In

Method	URL	Description	Arguments	Outputs
POST	/login	Logs user in to the FortiPortal, using `user` and `password` 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 the FortiPortal		

Arguments

None.

Outputs

None.

Customer

The customer collection 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 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

Parameter	Type	Required	Description
address1	string		Address line 1
address2	string		Address line 2
analyticsEnabled	string	Y	Set to `Y` or `N`. **NOTE:** If you set `analyticsEnabled` to `N`, make sure that the `totalStorage` is set to 50 or more.
city	string		Name of the city
state	string		Name of the state
zip	string		Postal code
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 `analyticsEnabled` is set to `N`, the storage units are MB. When `analyticsEnabled`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	/customers/{cid}	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	customers/{cid}/delete	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 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

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 domain under a customer

Method	URL	Description	Arguments	Outputs
GET	/customers/{cid}/domains	Creates or updates domain under a customer	see table below	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

Parameter	Type	Description
localCategory	boolean	Local category object permission
ratingOverrides	boolean	Rating overrides object permission
service	boolean	Service object permission
schedule	boolean	Schedule object permission

Creates or Updates policy and object permission resource under a customer

Method	URL	Description	Arguments	Outputs
GET	/customers/{cid}/policyobjects	Creates or updates policy and object 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
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 w rite 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

Parameter	Type	Description
localCategory	boolean	Local Category object permission
ratingOverrides	boolean	Rating Overridesobject permission
service	boolean	Service object permission
schedule	boolean	Schedule object 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

Creates or updates policy tab permission under a customer

Method	URL	Description	Arguments	Outputs
GET	/customers/ {cid}/policytabs	Creates or updates 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
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

Creates or updates tabs permission under a customer

Method	URL	Description	Arguments	Outputs
GET	/customers/{cid}/tabs	Creates or updates 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

Creates or updates widget permissions of a customer

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

Arguments (JSON Payload)

Parameter	Type	Description
widgetPermissionId	int	Widget Permission Id

Parameter	Type	Description
customerId	int	Customer Id
widgets	JSON array	List of widgets object

FortiManager

The FortiManager collection 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 Specified FortiManager

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

Arguments

Parameter	Type	Description
fmid	int	FortiManager ID.

Outputs (FortiManager record)

Parameter	Type	Description
fortiManagerId	int	FortiManager ID
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 ID.

Create a FortiManager

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	Y	FortiManager Name
ipAddress	String	Y	IP Address of the FortiManager
adminUserName	String	Y	Admin user name
adminPassword	String	Y	Password for the admin user.
frequencyValue	String	Y	Polling frequency (No polling, daily, weekly or monthly).
portNumber	int	Y	Port Number of the FortiManager

Outputs

Parameter	Type	Description
fmid	int	FortiManager ID.

Edit a FortiManager

Method	URL	Description	Arguments	Outputs
POST	/fortimanagers/ {fmid}	Edit a FortiManager record	FortiManager ID.	

Arguments

Parameter	Type	Description
fmid	int	Fortimanager ID.
	JSON payload	See the FortiManager fields table.

Outputs

None.

Delete a FortiManager

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

Arguments

Parameter	Type	Description
fmid	int	FortiManager ID.

Outputs

None.

Customer Policy Installation Details

Return List of Policy installations executed for customer

NOTE: 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 List of Policy installations executed for 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

Parameter	Type	Description
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)
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 policy installation for given install id

NOTE: 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 Id
customerId (required)	int	Customer Id

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

The customer sites collection contains a record for each site that is defined for this 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 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

NOTE: 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.

Parameter	Type	Required	Description
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	JSONArray		Devices assigned to the site

Outputs

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

Edit a Customer Site Record

NOTE: 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 Site 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

The customer user collection contains a record for each user that is defined for this 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 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
usererId	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
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 table below	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

The customer widget collection contains a record for each widget that this customer is using in their 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

The customer WiFi network collection 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	JSONArray	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

Parameter	Type	Description
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

Parameter	Type	Description
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 table below	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 `master`, all master devices are returned. If the value is `slave`, all slave devices are returned. **NOTE:** the values are case sensitive; use all lower-case letters for `master` and `slave`.
status	string	If no value is specified, all devices are returned. If the value is `available`, 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.

Parameter	Type	Description
serialNumber	String	The serial number of the device.
haRole	String	The role of the device, either master or slave.
version	String	The value is `orignal`, `new`, or `old`. Devices with a `new` or `original` 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
rolesId	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 Specified Role

Method	URL	Description	Arguments	Outputs
GET	/roles/{roleId}	Retrieve the specified role	roleId	See below

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

Method	URL	Description	Arguments	Outputs
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.
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 below.

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 below.

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 below.

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
countryCode	String	Short code for the country (for example, “US”)

Parameter	Type	Description
countryName	String	Country Name

Users

The user collection contains a record for each service provider user and customer user in the system. You can use this API 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

NOTE: 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 of type (either SP or CUST depending upon query parameter (SP, default))

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 API from most browsers using the GET method.

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

Login

Request

HTTP post to

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

Content-type: application/json

{

“user” : “spuser”,

“password” : “test123”

}

Response

Status : 200 OK

{

“sid” : “8478V00xYhva_ndcihDi203ru3c1auaUb1icew0W_TT”

}

Create a new site

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

Request

```
HTTP post to

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

Content-type: application/json

fpc-sid: $FPCSID

Cookie: JSESSIONID=$FPCSID

{

“networkName” : “site1”,

“contactName” : “Peter”,

“contactEmail” : peter@fortinet.com,

“contactPhone” : “408-235-7700”

“fpcDeviceModels”: [ {"deviceId" : 3},{"deviceId" : 2}]

}
```

Response

```
Status : 200 OK

{

“networked” : 5

}
```

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 Domains name are not unique, more than 10 or does not satisfy characters criteria. It will response 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
}
```

NOTE: 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=2016-1Z1-24 15:38:08`

Headers

accept: application/jsonz

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 <--- 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`

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",
```

High Performance Network Security