

Templates

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Status

The following table details the API Response code, status and, the HTTPS methods.

Status Code	Status	API's HTTPS Method or HTTPS Method
200	OK	GET
202	Accepted	POST PUT DELETE
400	Bad Request	GET POST PUT DELETE
401	Unauthorized	GET POST PUT DELETE
403	Forbidden	GET POST PUT DELETE

Status Code	Status	API's HTTPS Method or HTTPS Method
404	Not Found	GET POST PUT DELETE
405	Method Not Allowed	GET POST PUT DELETE
500	Internal Server Error	GET POST PUT DELETE

Get a Template

Resource Name /config/templates/{template-name}

Description Get Configuration template

https Method GET

URL https://dcnm-ip/fm/fmrest/config/templates/{template-name}

Parameter

Parameter	Type	Description
templateName	S	ConfigTemplate name

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
ConfigTemplateDO	O	ConfigTemplate object

Get All Template

Resource Name /config/templates

Description Get All Configuration template

https Method GET

URL https://dcnm-ip/fm/fmrest/config/templates

Parameter

Parameter	Type	Description
filterStr	S	Used for filtering the template format is <templateField1>:<filter value1>
sortBy	S	Filed to be sorted +<filed name> for ASC and -<filed name> for DESC
items (request header)	S	Range of records to fetch (i.e. 10-20)

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
ConfigTemplateDO[]	A	Array of ConfigTemplate object
items (response header)	S	Total number of records available

Create a Config Template

Resource Name /config/templates

Description Create a Config template

https Method POST

URL https://dcnm-ip/fm/fmrest/config/templates

Parameter

Parameter	Type	Description
templateFileContent	S	ConfigTemplate file content in plain text

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
InstanceIdDO	O	InstanceId of created template

Modify a Config Template

Resource Name /config/templates/{template-name}

Description Modify a config template

https Method PUT

URL https://dcnm-ip/fm/fmrest/config/templates/{template-name}

Example

Request Body:

```
{
  "id": "Example_Simple_v7",
  "content": "##template properties \nname =Example_Simple_v7;\ndescription = Simple POAP
Template example to assign a Management IP address;\nuserDefined=
true;\nsupportedPlatforms = N3K,N5K,N5500,N5600,N6K,N9K;\ntemplateType =
POAP;\ntemplateSubType=NA;\npublished = false;\ntimestamp = 2017-05-26 23:27:05
;\n##\n##template variables\n\n# Copyright (c) 2017 by Cisco Systems, Inc.\n# All rights
reserved.\n\n@(IsSwitchName=true, UseDNSReverseLookup=true, IsMandatory=true,
Description=\"The host name of the switch [example: switch{1-3}]\", DisplayName=\"Switch
Name\")\nstring SWITCH_NAME;\n\n@(IsMandatory=true, Description=\"Administrative User
which will be used to manage this device\", DisplayName=\"Administrative
Username\")\nstring ADMIN_USERNAME{\n defaultValue=admin;\n};\n\n@(IsMandatory=true,
Description=\"Plain text password of at least 8 characters\", DisplayName=\"Administrative
Password\")\nstring ADMIN_PASSWORD;\n\n@(IsManagementIP=true, IsMandatory=true,
IsMultiplicity=true, Description=\"Mgmt0 address for this device [example:
10.10.10.10-20]\", DisplayName=\"Management IP\")\nipV4Address
MGMT_IP;\n\n@(IsMandatory=true, Description=\"Management Network Prefix\",
DisplayName=\"Management Prefix\")\ninteger MGMT_PREFIX{\n
defaultValue=%POAP.MGMT_PREFIX;\n};\n\n@(IsMandatory=true, Description=\"Default Gateway
IP address\", DisplayName=\"Default Gateway\")\nipV4Address DEFAULT_GATEWAY{\n
defaultValue=%POAP.DEFAULT_GATEWAY;\n};\n\n@(IsMandatory=true, DisplayName=\"Console
timeout\", Description=\"Enter timeout in minutes, 0 to disable\")\ninteger
CONSOLE_TIMEOUT{\n defaultValue=0;\n};\n\n@(IsMandatory=true, DisplayName=\"Console
Speed\")\ninteger CONSOLE_SPEED{\n defaultValue=9600;\n};\n##\n\n##template
content\n\nhostname $$SWITCH_NAME$$\n\nno password strength-check\nusername
$$ADMIN_USERNAME$$ password $$ADMIN_PASSWORD$$ role network-admin\n\nsnmp-server user
$$ADMIN_USERNAME$$ network-admin auth md5 $$ADMIN_PASSWORD$$ priv $$ADMIN_PASSWORD$$
\n\nvrf context management\n ip route 0.0.0.0/0 $$DEFAULT_GATEWAY$$\n\ninterface mgmt0\n
vrf member management\n no cdp enable\n no lldp transmit \n no lldp receive \n ip address
$$MGMT_IP$$/$$MGMT_PREFIX$$\n no shutdown\n\nline console\n nif( $$CONSOLE_TIMEOUT$$ !=
\"30\" ){\n exec-timeout $$CONSOLE_TIMEOUT$$\n}\n nif( $$CONSOLE_SPEED$$ != \"9600\" ){\n
speed $$CONSOLE_SPEED$$\n}\n##\n\n"}
}
```



Note

The **id** attribute must match with the template-name in the URL.

Response Body:

```
{
  "status": "Template modification successful"
}
```

Parameter

Parameter	Type	Description
templateFileContent	O	ConfigTemplate file content in plain text The parameter is a JSON object data type with mandatory properties of id and content , where id is the template name and content is the modified template content.

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description

Delete a Config Template

Resource Name /config/templates/{template-name}

Description Delete a Config template

https Method DELETE

URL https://dcnm-ip/fm/fmrest/config/templates/{template-name}

Parameter

Parameter	Type	Description
templateName	S	ConfigTemplate name

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description

Get Populated template CLI content

Resource Name /config/templates/{templateName}/populate/{ deviceIP}

Description To get the CLI delivery content for the given parameter value for a template

https Method POST

URL https://dcnm-ip/fm/fmrest/config/{templateName}/populate/{deviceIP}

Parameter

Parameter	Type	Description
parametervalue	A	JSON Array of parameter values i.e [1, 'a']

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
String	S	Populated CLI commands

Validate a Config Template

Resource Name /config/templates/validate

Description To Validate a Config template before creation

https Method POST

URL https://dcnm-ip/fm/fmrest/config/templates/validate

Parameter

Parameter	Type	Description
templateFileContent	S	ConfigTemplate file content in plain text

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
ReportItem[]	S	Validation result

Get Config Template Valid Switches

Resource Name /config/templates/{template-name}/switches

Description Returns all valid switches available for the template based on "supported platform" attribute there in Template.

https Method GET

URL https://dcnm-ip/fm/fmrest/config/templates/{template-name}/switches

Parameter

Parameter	Type	Description
templateName	S	Template name

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
ConfigDeliveryTaskDeviceDO []	A	Array of device objects

Create a Config Template Job

Resource Name /config/templates/jobs

Description Creates a Config template delivery job

https Method POST

URL https://dcnm-ip/fm/fmrest/config/templates/jobs

Parameter

Parameter	Type	Description
TemplateConfigDeliveryTaskDO	O	ConfigDeliveryTask Object

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
InstanceNameIdDO	O	Task ID value

Get Config Template Jobs

Resource Name /config/templates/jobs

Description Fetches the Config template delivery jobs

https Method GET

URL https://dcnm-ip/fm/fmrest/config/templates/jobs

Parameter

Parameter	Type	Description
status	S	Could be any of "not started/in progress/completed"

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
ConfigDeliveryTaskDO []	A	Array of ConfigDeliveryTask

Get Config Template Job detail

Resource Name /config/templates/jobs/{jobID}

Description Fetches the Config template delivery job with execution details

https Method GET

URL https://dcnm-ip/fm/fmrest/config/templates/jobs/{jobID}

Parameter

Parameter	Type	Description

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
ConfigDeliveryTaskDO []	A	Array of ConfigDeliveryTask

Delete Config Template Job

Resource Name /config/templates/jobs/{job-id}

Description Deletes the Config template delivery jobs

https Method DELETE

URL https://dcnm-ip/fm/fmrest/config/templates/jobs/{job-id}

Parameter

Parameter	Type	Description
jobID	S	ID of the ConfigDeliveryTask

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description

