

Discovery

The following are the Discovery REST APIs:

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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
404	Not Found	GET POST PUT DELETE

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

Discover Fabric

Resource Name /san/discoverFabricWithServerFuji4

Description Enables you to discover fabrics

https Method SET

URL https://dcnm-ip/fm/fmrest/san/discoverFabricWithServerFuji4

Parameter

Parameter	Type	Description
send	string	Seed switch for discovery
isV3	string	Is snmp V3: "true" or "false"
username	string	Snmp user name if v3, ignored if v2
password	string	Snmp v3 password or ignored if v2
v3protocol	string	Snmp v3 protocol V3 MD5 only = "0" V3 SHA only = "1" V3 MD5_DES = "2" V3 MD5_AES = "3" V3 SHA_DES = "4" V3 SHA_AES = "5"
community	string	Snmp v2 community string, ignored if snmp v3
inVsans	string	Included Vsan range for discovery. Example: "1" for VSAN 1, "1,3" for VSAN 1 and 3 "1-3" for VSAN 1, 2, 3
exVsans	string	Excluded Vsan range for discovery. Example: "1" for VSAN 1, "1,3" for VSAN 1 and 3 "1-3" for VSAN 1, 2, 3
globalEnableNpvDiscovery	string	Enable discovery to include NPV sw globally "true" or "false"

Parameter	Type	Description
ucsUsername	string	Ssh Username for UCS software, ignored if null or 0 length String
ucsPasswd	string	Ssh password for UCS sw, ignored if null or 0 length String
fmserver	string	Target DCNM server IP String where this fabric will be discovered by, this cannot be blank or null; even in the non-federation setup, the connected DCNM server IP string has to be provided.

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
CallResultDO	A	Result CallResultDO.getResultStatus() : 0 means success Non-0 means failure and getResultMessage() will be the failure result

Shallow Discover LAN Device(s)

Resource Name /san/shallowLanDiscover

Description Shallow discover LAN Device(s) by CDP discovery

https Method GET

URL https://dcnm-ip/fm/fmrest/san/shallowLanDiscover

Parameter

Parameter	Type	Description
SeedIp	string	Seed switch for LAN CDP discovery by hops or switch ip list for LAN CDP discovery "10.1.1.1" or "10.1.1.1-3"
isFWSM	string	Always "false"
isV3	string	Is snmp V3: "true" or "false"
username	string	Snmp user name if v3, ignored if v2
password	string	Snmp v3 password or ignored if v2
v3protocol	string	Snmp v3 protocol V3 MD5 only = "0" V3 SHA only = "1" V3 MD5_DES = "2" V3 MD5_AES = "3" V3 SHA_DES = "4" V3 SHA_AES = "5"
community	string	Snmp v2 community string, ignored if snmp v3

Parameter	Type	Description
maxHop	string	Number of hops for LAN CDP Discovery if a single switch ip is provided in "seedIp" parameter, ignored if a switch list is provided in "seedIp" parameter
cdpTimeout	string	LAN CDP Discovery timeout, "3" for 3 sec and 3, 6, 9, 10, 20, 30 sec are provided on the GUI

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
rstDO	AdminShallowDiscoverNodeDO[]	<p>Array of AdminShallowDiscoverNode Objects</p> <p>Note for AdminShallowDiscoverNode-</p> <p>reachable:boolean;</p> <p>auth:boolean;</p> <p>known:boolean;</p> <p>valid:boolean;</p> <p>selectable:boolean;</p> <p>sysName:String;</p> <p>ipaddr:String;</p> <p>platform:String;</p> <p>version:String;</p> <p>lastChange:String;</p> <p>hopCount:int;</p> <p>deviceIndex:String;</p> <p>statusReason:String;</p>

Discover LAN Device(s)

Resource Name /san/discoverLan

Description Discover LAN device(s)

https Method SET

URL https://dcnm-ip/fm/fmrest/san/discoverLan

Parameter

Parameter	Type	Description
SeedIp	string	switch ip list for LAN CDP discovery "10.1.1.1" or "10.1.1.1-3" Note: recommend picking the switch(s) from the output of /san/shallowLanDiscover where the node is reachable true and valid true
isFWSM	string	Always "false"
isV3	string	Is snmp V3: "true" or "false"
username	string	Snmp user name if v3, ignored if v2
password	string	Snmp v3 password or ignored if v2
v3protocol	string	Snmp v3 protocol V3 MD5 only = "0" V3 SHA only = "1" V3 MD5_DES = "2" V3 MD5_AES = "3" V3 SHA_DES = "4" V3 SHA_AES = "5"
community	string	Snmp v2 community string, ignored if snmp v3
maxHop	string	null
enablePwd	string	null

Parameter	Type	Description
groupDbId	string	LAN Group DB Id, eg. "10" for 10
isDeepDiscovery	string	null
serverIpAddress	string	Target DCNM server IP String where this LAN device will be discovered by, this cannot be blank or null; even in the non-federation setup, the connected DCNM server IP string has to be provided.
isSingleDeviceTask	string	Always "true".

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
CallResultDO	A	Result CallResultDO.getResultStatus() : 0 means success Non-0 means failure and getResultMessage() will be the failure result

Discover Storage Device

Resource Name /storage/demandDiscoverSmisProvider

Description Discover SMIS

https Method SET

URL https://dcnm-ip/fm/fmrest/storage/demandDiscoverSmisProvider

Parameter

Parameter	Type	Description
smisWorker	SMISProviderWorkerDO	SMIS provider information providerList:SMISProviderDO[], password:String, fmserver:String note : SMISProviderDO is dbId:long; provId:int; fmServer:String; ns:String; interopns:String; url:String; username:String; port:int; secure:boolean; vendor:String; select:String; status:String; managedstatus:String; lastUpdated:String; version:String;

Return Value Format: JSON
Type: Object

Attribute Name	Type	Description
CallResultDO	A	Result CallResultDO.getResultStatus() : 0 means success Non-0 means failure and getResultMessage() will be the failure result

Discover Virtual Machine

Resource Name /san/addVirtualCenter

Description Discover Virtual Machine

https Method SET

URL https://dcnm-ip/fm/fmrest/san/addVirtualCenter

Parameter

Parameter	Type	Description
vcIP	string	Virtual Center Ip address
username	string	Virtual Center user name
password	string	Virtual Center password
serverIpAddress	string	Target DCNM server IP String where this Virtual Machine will be discovered by, this cannot be blank or null; even in the non-federation setup, the connected DCNM server IP string has to be provided.

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
CallResultDO	A	Result CallResultDO.getResultStatus() : 0 means success Non-0 means failure and getResultMessage() will be the failure result

