

VxLAN

The following are the VxLAN REST APIs:

- [List all VTEPs, page -281](#)
- [Get VTEPs with VNI, page -282](#)
- [Get VTEPs with Multicast address, page -283](#)
- [Get VNI details for a VTEP, page -284](#)
- [Get active peers for a VTEP for a given VNI, page -285](#)

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

List all VTEPs

Resource Name /topology/switches/vxlan/vteps

Description List of all the VTEPs.

https Method GET

URL https://dcnm-ip/rest/topology/switches/vxlan/vteps

Parameter

Parameter	Type	Description

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
VTEPs	A	List of VTEPs including attributes VTEP IP, NVE Interface and Switch ID.

Get VTEPs with VNI

Resource Name /topology/switches/vxlan?vni=<vni>

Description Get the VTEPs which have this VNI configured on them.

https Method GET

URL https://dcnm-ip/rest/topology/switches/vxlan?vni=<vni>

Parameter

Parameter	Type	Description
vni	S	VxLAN Network Identifier.

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
VTEPs	A	List of VTEPs configured with VNI, including attributes, multicast address, VNI status, VLAN, NVE interface, switch name and switch ID.

Get VTEPs with Multicast address

Resource Name /topology/switches/vxlan?multicast-address=<multicast-address>

Description Get VTEPs which have this multicast address configured on them.

https Method GET

URL https://dcnm-ip/rest/topology/switches/vxlan?multicast-address=<multicast-address>

Parameter

Parameter	Type	Description
multicast-address	S	Multicast address configured in VXLAN.

Return Value

Format: JSON

Type: Object

Attribute Name	Type	Description
VTEPs	A	List of VTEPs configured with multicast address, including attributes, VNI, multicast address, VNI status, VLAN, NVE interface, switch name and switch ID.

Get VNI details for a VTEP

Resource Name /topology/switches/vxlan?switch-id=<switch-id>

Description Get all the VNIs configured on a VTEP with all the associated attributes.

https Method GET

URL https://dcnm-ip/rest/topology/switches/vxlan?switch-id=<switch-id>

Parameter

Parameter	Type	Description
switch-id	S	VTEP switch ID, obtained by the API https://dcnm-ip/rest/topology/switches/vxlan/vteps.

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
VNI Details	A	List of all VNIs on a VTEP, with the associated Multicast Address, VNI Status, VLAN, NVE Interface, Switch Name and Switch ID.

Get active peers for a VTEP for a given VNI

Resource Name /topology/switches/vxlan/peers?switch-id=<switch-id>&vni=<vni>

Description Get the active peers for a VTEP for a given VNI.

https Method GET

URL https://dcnm-ip/rest/topology/switches/vxlan/peers?switch-id=<switch-id>&vni=<vni>

Parameter

Parameter	Type	Description
switch-id	S	VTEP switch ID, obtained by the API https://dcnm-ip/rest/topology/switches/vxlan/vteps
vni	S	VxLAN Network Identifier

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
VTEP peers	A	List of VTEP active peers for given VNI.

