

## VxLAN

The following are the VxLAN REST APIs:

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### Status

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

Status Code	Status	API's HTTP Method or HTTP 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

<b>Status Code</b>	<b>Status</b>	<b>API's HTTP Method or HTTP Method</b>
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.

