

Table of Contents

MPLS vpns

VRF id

VRF name

Client type

VRF AS

VRF Route distinguisher

VRF Route target

MPLS option 1

MPLS option 2

MPLS_management

MPLS_type

3

3

3

4

4

4


4


4

4

4

MPLS vpns

Within the  **MPLS** VPN form, it is possible to define MPLS VPN's. Instead of fixed values, it's possible to use **parameterized** values.

Although the term MPLS is used, this form and the information stored can also be used as a  **VRF lite** configuration.

Mpls Vrfs

Client type	Vrf id	Vrf name	Vrf rd	Vrf rt
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
sp	111	Cust-A	1:<Vrf_id>	1:100
sp	222	Cust-B	2:<Vrf_id>	2:200
YCE	555	customer555	172.16.0.1	172.16.0.1:64512555
DCvxlan	1	management		
YCE	1	MGMT	1	<loopback>:1
DCvxlan	10026	shared	auto	
DCvxlan	10077	TENANT77	auto	
campus	2345	vrf-2345		

New

Delete

Client type:

YCE

Vrf id:

555

Vrf name:

customer555

Vrf as:

64512

Vrf rd:

172.16.0.1

Vrf rt:

172.16.0.1:64512555

Mpls option 1:

Mpls option 2:


Mpls type:

Mpls management:

0

Save

VRF id

The  **VRF** id is used as a reference value within the system. It is possible to use this parameter within the configuration. This id is not the individual id for a VRF on a device, but the ID for this type of VRF on all devices.

VRF name

The actual name of the VRF. This can be parameterized, so it will have a name related to the device it is provisioned on.

Client type

The [Client type](#) where this VRF can be used.

VRF AS

The [Autonomous System](#) number which will be used within the VRF configuration.

VRF Route distinguisher

The [Route distinguisher](#) used for this configuration. When using a VRF lite configuration, this setting is not necessary. We would recommend `global.unique.ipv4.address.pe+vrf_id` ¹⁾ as the route distinguisher. This setting had the highest probability of being global unique.

VRF Route target

The [route target](#) used for this configuration. Again, when using VRF lite, this setting is not necessary.

MPLS option 1

Additional MPLS options, which is free format. This could be used for any value. Such as maximum route statements, or additional route target import or exports.

MPLS option 2

Same as MPLS option 1.

MPLS_management

Set this option to 1 in case this VRF will be used for management, NetYCE will use the name entered at the *VRF name* field when transferring files for the following vendors: HP Comware 7, Huawei.

MPLS_type

To assist creating categories of Node VRFs, `Mpls_types` and `Vrf_types` can be used. These values are set in the [General settings](#).

The values for these attributes are defined in the 'Lookup' using the 'Mpls_type' variable of the 'Translation' class. As many entries as desired can be created using this lookup variable. These values will be presented as drop-down menu lists from which one value can be selected.

1)

<http://blog.ipspace.net/2012/07/bgp-route-replication-in-mplsvpn-pe.html>

From:

<https://wiki.netyce.com/> - **Technical documentation**

Permanent link:

https://wiki.netyce.com/doku.php/menu:build:mpls_vpns

Last update: **2022/05/20 16:17**

