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# MPLS vpng

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
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:	<input type="text" value="YCE"/>	Vrf id:	<input type="text" value="555"/>
Vrf name:	<input type="text" value="customer555"/>	Vrf as:	<input type="text" value="64512"/>
Vrf rd:	<input type="text" value="172.16.0.1"/>	Vrf rt:	<input type="text" value="172.16.0.1:64512555"/>
Mpls option 1:	<input type="text"/>	Mpls option 2:	<input type="text"/>
Mpls type:	<input type="text"/>	Mpls management:	<input type="text" value="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`<sup>1)</sup> 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

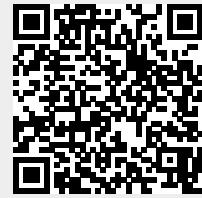
To assist creating categories of Node VRFs, Mpls\_types and Vrf\_types can be used. These values are set in the [General settings](#).

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.ipospace.net/2012/07/bgp-route-replication-in-mplsvpn-pe.html>

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



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