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# 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.



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

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