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# Modify L3 VPN

On this page we demonstrate how we can edit some parameters for an already deployed Service In this example, we continue with our earlier example of [L3VPN](#) and propose to alter its QoS parameters. So Here is the PE's complete configuration

```
! Cisco_IOS Template 'c7600' Rev=2017-10-23 20:28 Seq=1
! This configuration is automatically generated at 2017-12-01 14:20:33
!
access-list 2 permit 172.16.5.22 0.0.0.0
!
class-map acgroup2
    match access-group 2
    exit
!
policy-map police
    class acgroup2
        police 10000 4000 6000 conform-action transmit exceed-action set-qos-
transmit 4 violate-action drop
    exit
!
ip vrf CustA
rd 172.31.0.11:1
route-target both 65001:1
ip vrf CustB
rd 172.31.0.11:9
route-target both 65001:9
!
interface Ethernet1/2
ip vrf forwarding CustA
ip address 5.5.5.1 255.255.255.252
service-policy input police
no shut
interface Ethernet1/3
ip vrf forwarding CustB
ip address 5.5.5.5 255.255.255.252
service-policy input police
no shut
router bgp 65001
!
    address-family ipv4 vrf CustA
        redistribute static
        redistribute connected
    !
    address-family ipv4 vrf CustB
        redistribute static
        redistribute connected
    !
```

Here we can see the QoS' Police parameters are:

```
police 10000 4000 6000 conform-action transmit exceed-action set-qos-
transmit 4 violate-action drop
```

We can alter these parameters by using Custom Attributes

We create three custom attributes and place them under the node as shown in the snapshot below

NetICE supports | Logout

Custom attributes	Type	Parameters
Client	Client	1
Domain	Domain	6
Node	Node	18
Region	Region	12
Service	Service	3
Site	Site	6

Save | Defaults | Cancel | Confirm

Variable name	Grouping sort	Type	Size format	Default	Edit level
avg_rate_bps		NUM	32	10000	Operator
excess_burst_rate_bps		NUM	32	4000	Operator
normal_burst_rate_bps		NUM	32	2000	Operator
snmp_syscontact	1-Snmp	CHAR	100		Operator
snmp_syslocation	1-Snmp	CHAR	100		Operator
snmp_sysname	1-Snmp	CHAR	32		Operator

Save | Cancel

Variable name: avg\_rate\_bps | Defaults: 10000

Type: NUM

Edit level: Operator | Group sort:

Save

Now if we view the Node in BUILD menu, we can see the three custom attributes are shown as below

Edit Node

Data | Custom attributes | Ports | Topology | VRFs | vRFs

Custom attributes:

avg\_rate\_bps: 10000 | excess\_burst\_rate\_bps: 4000

normal\_burst\_rate\_bps: 2000 | snmp\_syscontact:

snmp\_syslocation: | snmp\_sysname: get my domain

Node\_profile1: Standard | Node\_profile2: None

Rtr\_reserve1: | Rtr\_reserve2: |

Rtr\_reserve3: | Rtr\_reserve4: |

MER\_location: | Sim\_size: |

Close | Apply | OK

We can freely alter these custom fields values to as needed. Lets alter them from 10000,4000 and 6000 to 12000,6000 and 8000 and then generate the config Now if we head over to Operate -> Tools -> View config, we can see the CLI is automatically updated. (Since the template for Police calls upon these variables)

## police\_qos

```
access-list 2 permit 172.16.5.22 0.0.0.0
!
class-map acgroup2
```

```
match access-group 2
exit
!
policy-map police
class acgroup2
police <avg_rate_bps> <normal_burst_rate_bps> <excess_burst_rate_bps>
conform-action transmit exceed-action set-qos-transmit 4 violate-action drop
exit
!
```

Now its matter of creating a specific job to push the config to the device. For e.g

## Job Name:

Update QoS

## Commands:

```
{police_qos}
```

## Scenario:

(the defaults, nothing needs to be modified from the scenario available in the “Default Command Job”)

```
[parameters]
node = 'PE1'
verbose = '-v'

[scenario]
Description <node> Command_job...
task = Command_job

end
```

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

Permanent link:  
<https://labs-wiki.netyce.com/doku.php/guides:user:l3vpn:l3vpnmodify>

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