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

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

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
```