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Delete L3 VPN

So until now, we have seen How to [add](#) a L3VPN , how to [modify](#) parameter(s) on an existing L3VPN. On this page, we demonstrate how to decommission a VPN.

The general workflow is as below:

1. Template(s) to negate the CLI that was put up during the Add
2. Service Type to delete the information from the database

Template

Here we need to alter our AddVRF template to accomodate for an extra variable 'Decommission' which when set to 'Y' will initiate the negation of CLI as shown below

AddVRF

```
#reload PE_CE_nets
interface <Port_type><Slot_id>/<Port_id>
|Decommission='Y'|no ip vrf forwarding <Vrf_name> \
no ip address <If_ip_N> <Net_mask> \
no service-policy input police \
shut

|Decommission!='Y'|ip vrf forwarding <Vrf_name> \
ip address <If_ip_N> <Net_mask> \
service-policy input police \
no shut
```

Next we need to create a new Command Job with parameter below

Command Job

Delete L3VPN

Load job Delete L3 VPN Load Delete
name Delete L3 VPN Save ☒ Public
client-type CSP
description Issue parameterized commands to the selected nodes
saved as 'Delete L3 VPN'

Commands:

```
1 no ip vrf <Vrf_name>
2 !
3 {<Port_template@PE_CE_nets>, PE_CE_nets, Rem_hostname = '<CE_node>'}
4 !
5 {delete!Pbgp}
```

Evaluate

Scenario:

```
1 [parameters]
2 PE_node = PE1
3 CE_node = CE11
4 Vrf_name = CustA
5 Decommission='Y'
6 node = 'PE1'
7 verbose = '-v'
8
9 [scenario]
10 Description <node> Command_job...
11 task = Command_job
12
13 end
14
15
```

Most of the lines in the Commands are self explanatory.

The Scenario: section now includes a flag Decommission with value 'Y' which informs the AddVRF template to execute the decommission block

The output from Evaluate button reveals following configuration will be pushed to the device

Node config: **Command jobs** Basic cmd jobs Port config: **F11** to exit full screen Node

Push Command jobs

NetVCE support (System) of NetVCE

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Commands for PE1:

```
no ip vrf CustA
!
interface Ethernet1/2
no ip vrf forwarding CustA
no ip address 5.5.5.1 255.255.255.252
no service-policy input police
shut
!
router bgp 65001
no address-family ipv4 vrf CustA
!
```

Scenario for PE1:

```
Scenario: /var/opt/yce/configs/PE1.scn
Parsing scenario:
1 [parameters]
2 PE_node = PE1
3 CE_node = CEA1
4 Vrf_name = CustA
5 Decommission='Y'
6 node = 'PE1'
7 verbose = '-v'
8 [scenario]
9 Description PE1 Command_job...
10 Description Command_job on PE1
11 Cmd_exec -n PE1 -f PE1.cmd -v
12 if <error>
13   Log_action -n PE1 -a Command_job -m "Failed executing commands"
14   stop
15 endif
16 Log_action -n PE1 -a Command_job -m "Completed executing commands"
17 end
```

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Now we need to clean up the database by removing the record for the Add L3VPN entry created by the Service Type during the Add phase

Service Type

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

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