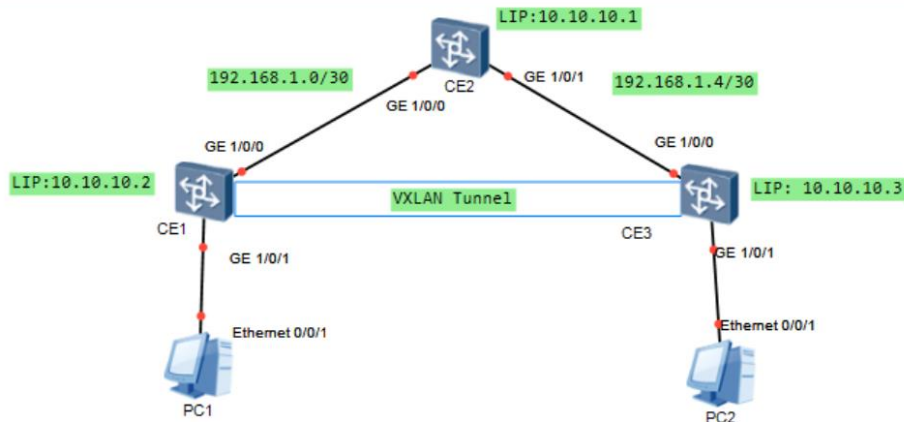# VXLAN lab in eNSP

Created: Jun 24, 2021 10:57:56Latest reply: Sep 17, 2021
16:56:20 380 5 4 0 1

for Constructing a Virtual Data Center Network (for Layer 2 Communication) over a Campus Network Using VXLAN

CE1 Device

```
sysname CE1
#
evpn-overlay enable
#
router id 10.10.10.2
#
evpn
#
bridge-domain 10
 vxlan vni 10
#
bridge-domain 20
 vxlan vni 5010
#
interface GE1/0/0
 undo portswitch
 undo shutdown
 ip address 192.168.1.2 255.255.255.252
#
interface GE1/0/1.1 mode l2
 encapsulation dot1q vid 10
 bridge-domain 10
#

interface LoopBack0
 ip address 10.10.10.2 255.255.255.255
#
```

```
interface Nve1
 source 10.10.10.2
 vni 10 head-end peer-list 10.10.10.3
#
interface NULL0
#
ospf 1
 area 0.0.0.0
  network 10.10.10.2 0.0.0.0
  network 192.168.1.0 0.0.0.3
#
```

CE2 Device

```
sysname CE2
#
interface GE1/0/0
 undo portswitch
 undo shutdown
 ip address 192.168.1.1 255.255.255.252
#
interface GE1/0/1
 undo portswitch
 undo shutdown
 ip address 192.168.1.5 255.255.255.252
#
interface LoopBack0
 ip address 10.10.10.1 255.255.255.255
#
interface NULL0
#
ospf 1
 area 0.0.0.0
  network 10.10.10.1 0.0.0.0
  network 192.168.1.0 0.0.0.3
  network 192.168.1.4 0.0.0.3
#
```

CE3 Device

```
sysname CE3
#
#
bridge-domain 10
 vxlan vni 10
#
interface GE1/0/0
 undo portswitch
 undo shutdown
```

```
 ip address 192.168.1.6 255.255.255.252
#
interface GE1/0/1.1 mode l2
 encapsulation dot1q vid 10
 bridge-domain 10
#

#
interface LoopBack0
 ip address 10.10.10.3 255.255.255.255
#
interface Nve1
 source 10.10.10.3
 vni 10 head-end peer-list 10.10.10.2
#
interface NULL0
#
ospf 1
 area 0.0.0.0
  network 10.10.10.3 0.0.0.0
  network 192.168.1.4 0.0.0.3
#
return
```