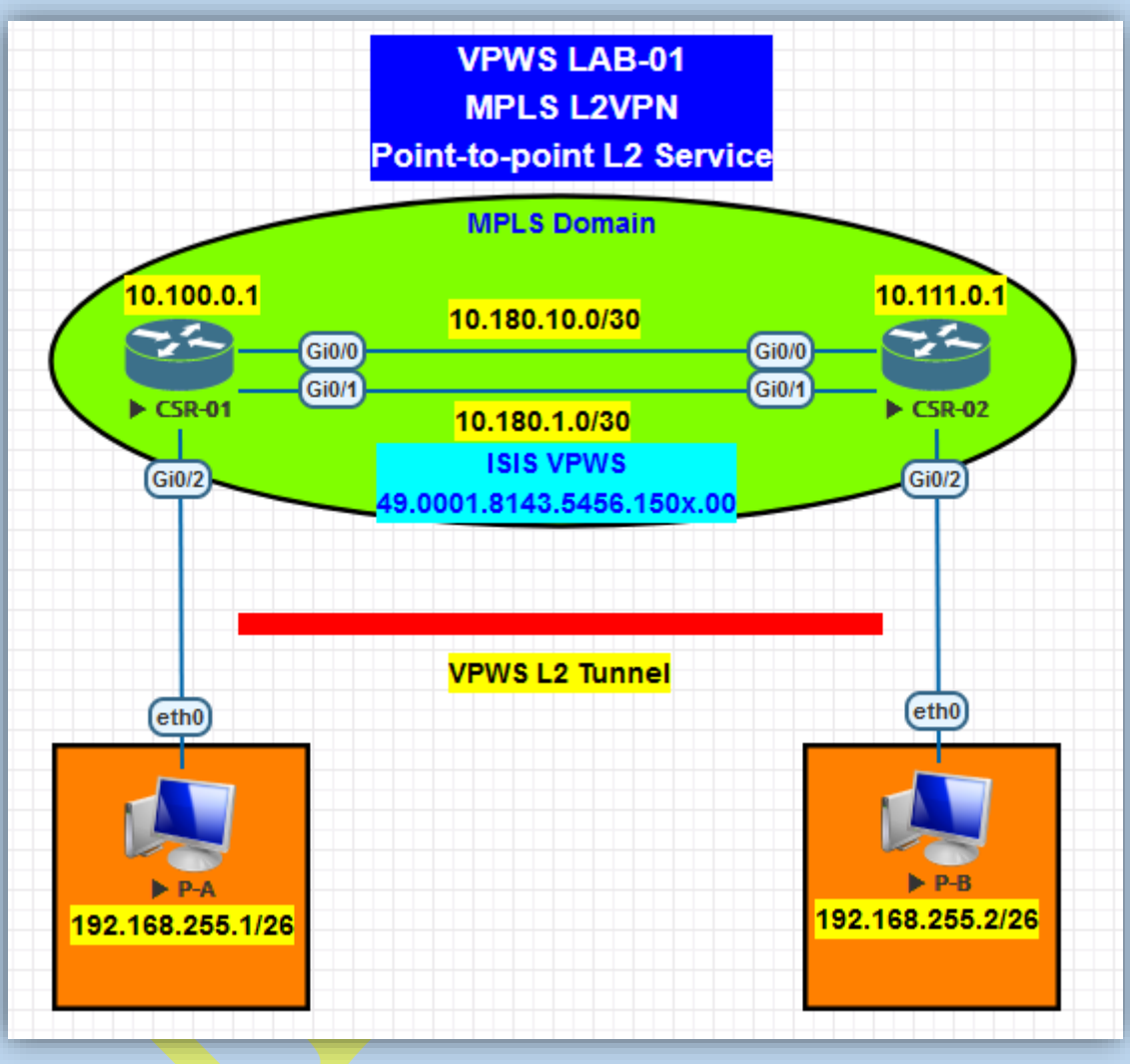
VPWS LAB–01

MPLS L2VPN

Point–to–point L2 Service



1.Run an IGP such as IS–IS (or) OSPF.

2.Enable MPLS at respective interfaces.

CSR–01

pseudowire–class **VPWS–01**

encapsulation mpls

!

interface **GigabitEthernet0/2**

no ip address

xconnect **10.111.0.1 24** encapsulation mpls pw-class **VPWS-01**

!

CSR-02

pseudowire-class **VPWS-01**

encapsulation mpls

!

interface **GigabitEthernet0/2**

no ip address

xconnect **10.100.0.1 24** encapsulation mpls pw-class **VPWS-01**

!

Verifications

CSR-01

```
CSR-01#sh mpls l2transport vc

Local intf     Local circuit              Dest address    VC ID      Status
-------------  -------------------------- --------------- ---------- ----------
Gi0/2          Ethernet                   10.111.0.1      24         UP
```

CSR-02

```
CSR-02#sh mpls l2transport vc

Local intf     Local circuit              Dest address    VC ID      Status
-------------  -------------------------- --------------- ---------- ----------
Gi0/2          Ethernet                   10.100.0.1      24         UP
```

Ping Results

Point–A

```
pointA> ping 192.168.255.2

84 bytes from 192.168.255.2 icmp_seq=1 ttl=64 time=4.612 ms
84 bytes from 192.168.255.2 icmp_seq=2 ttl=64 time=4.581 ms
84 bytes from 192.168.255.2 icmp_seq=3 ttl=64 time=4.074 ms
84 bytes from 192.168.255.2 icmp_seq=4 ttl=64 time=6.693 ms
84 bytes from 192.168.255.2 icmp_seq=5 ttl=64 time=3.687 ms
```

Point–B

```
pointB> ping 192.168.255.1

84 bytes from 192.168.255.1 icmp_seq=1 ttl=64 time=13.295 ms
84 bytes from 192.168.255.1 icmp_seq=2 ttl=64 time=10.909 ms
84 bytes from 192.168.255.1 icmp_seq=3 ttl=64 time=3.394 ms
84 bytes from 192.168.255.1 icmp_seq=4 ttl=64 time=4.926 ms
84 bytes from 192.168.255.1 icmp_seq=5 ttl=64 time=6.636 ms
```