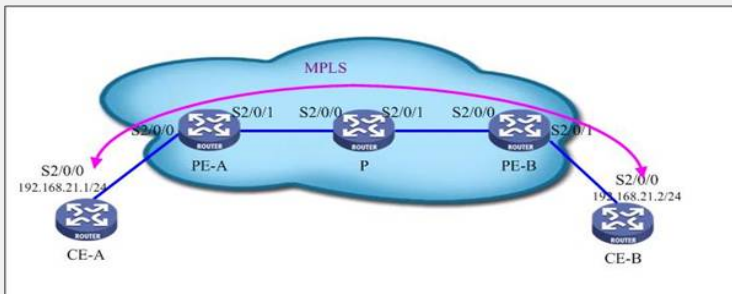


### Typical L2VPN-SVC Configuration

#### [Requirements]

Set up an L2VPN SVC connection between the S2/0/0 of CE-A and the S2/0/0 of CE-B.

#### [Networking diagram]



#### [Configuration script]

##### Configuration script (CE-A)

```
#
sysname CE-A
#
radius scheme system
#
domain system
#
interface Serial2/0/0
link-protocol ppp
ip address 192.168.21.1 255.255.255.0
#
interface NULL0
#
user-interface con 0
user-interface vty 0 4
#
return
```

##### Configuration script (PE-A)

```
#
sysname PE-A
#
router id 1.1.1.1
#
mpls lsr-id 1.1.1.1
#
mpls l2vpn /Enable MPLS L2VPN/
#
#
radius scheme system
#
mpls
#
mpls ldp
#
domain system
#
interface Serial2/0/0
link-protocol ppp
mpls static-l2vc destination 3.3.3.3 transmit-vpn-label 100 receive-vpn-label 300
/Create an SVC connection to CE-B/
#
interface Serial2/0/1
link-protocol ppp
ip address 10.0.0.1 255.255.255.252
mpls
mpls ldp enable
#
interface NULL0
#
interface LoopBack0
ip address 1.1.1.1 255.255.255.255
#
ospf 1
area 0.0.0.0
network 1.1.1.1 0.0.0.0
network 10.0.0.0 0.0.0.3
#
user-interface con 0
user-interface vty 0 4
#
return
```

**Configuration script (P)**

```
#
sysname P
#
router id 2.2.2.2
#
mpls lsr-id 2.2.2.2
#
mpls l2vpn
#
#
radius scheme system
#
mpls
#
mpls ldp
#
domain system
#
interface Serial2/0/0
link-protocol ppp
ip address 10.0.0.2 255.255.255.252
mpls
mpls ldp enable
#
interface Serial2/0/1
link-protocol ppp
ip address 10.0.0.5 255.255.255.252
mpls
mpls ldp enable
#
interface NULL0
#
interface LoopBack0
ip address 2.2.2.2 255.255.255.255
#
ospf 1
area 0.0.0.0
network 2.2.2.2 0.0.0.0
network 10.0.0.0 0.0.0.3
network 10.0.0.4 0.0.0.3
#
user-interface con 0
user-interface vty 0 4
#
return
```

**Configuration script (PE-B)**

```

#
sysname PE-B
#
router id 3.3.3.3
#
mpls lsr-id 3.3.3.3
#
mpls l2vpn
#
#
radius scheme system
#
mpls
#
mpls ldp
#
domain system
#
interface Serial2/0/0
link-protocol ppp
ip address 10.0.0.6 255.255.255.252
mpls
mpls ldp enable
#
interface Serial2/0/1
link-protocol ppp
mpls static-l2vc destination 1.1.1.1 transmit-vc-label 300 receive-vc-label 100
/Create an SVC connection to CE-A/
#
interface NULL0
#
interface LoopBack0
ip address 3.3.3.3 255.255.255.255
#
ospf 1
area 0.0.0.0
network 2.2.2.2 0.0.0.0
network 3.3.3.3 0.0.0.0
network 10.0.0.4 0.0.0.3
#
user-interface con 0
user-interface vty 0 4
#
return

```

#### Configuration script (CE-B)

```

#
sysname CE-B
#
radius scheme system
#
domain system
#
interface Serial2/0/0
link-protocol ppp
ip address 192.168.21.2 255.255.255.0
#
interface NULL0
#
user-interface con 0
user-interface vty 0 4
#
return

```

#### [Verification]

##### Display the SVC connection state on PE-A:

```

[PE-A]disp mpls static-l2vc
total connections: 1, 1 up, 0 down
ce-intf      state destination  tr-label  rcv-label  tnl-type  tnl-index
Serial2/0/0  up    3.3.3.3      100      300      LSP       2

```

##### Display the LSP on PE-A:

```
[PE-A]disp mpls lsp
```

```

-----
LSP Information: Ldp Lsp
-----

```

```
TOTAL: 3 Record(s) Found.
```

NO	FEC	NEXTHOP	I/O-LABEL	OUT-INTERFACE
1	1.1.1.1/32	127.0.0.1	3/----	-----
2	2.2.2.2/32	10.0.0.2	----/3	S2/0/1
3	3.3.3.3/32	10.0.0.2	----/1024	S2/0/1

**Display the LSP on P:**

[P]disp mpls lsp

-----  
LSP Information: Ldp Lsp  
-----

TOTAL: 6 Record(s) Found.

NO	FEC	NEXTHOP	I/O-LABEL	OUT-INTERFACE
1	1.1.1.1/32	10.0.0.1	----/3	S2/0/0
2	2.2.2.2/32	127.0.0.1	3/----	-----
3	3.3.3.3/32	10.0.0.6	----/3	S2/0/1
4	3.3.3.3/32	10.0.0.6	1024/3	S2/0/1
5	1.1.1.1/32	10.0.0.1	1025/3	S2/0/0
6	2.2.2.2/32	127.0.0.1	3/----	-----

**Display the LSP on PE-B:**

[PE-B]disp mpls lsp

-----  
LSP Information: Ldp Lsp  
-----

TOTAL: 3 Record(s) Found.

NO	FEC	NEXTHOP	I/O-LABEL	OUT-INTERFACE
1	3.3.3.3/32	127.0.0.1	3/----	-----
2	1.1.1.1/32	10.0.0.5	----/1025	S2/0/0
3	2.2.2.2/32	10.0.0.5	----/3	S2/0/0

**Display the SVC connection state on PE-B:**

[PE-B]disp mpls static-l2vc

total connections: 1, 1 up, 0 down

ce-intf	state	destination	tr-label	rcv-label	tnl-type	tnl-index
Serial2/0/1	up	1.1.1.1	300	100	LSP	1