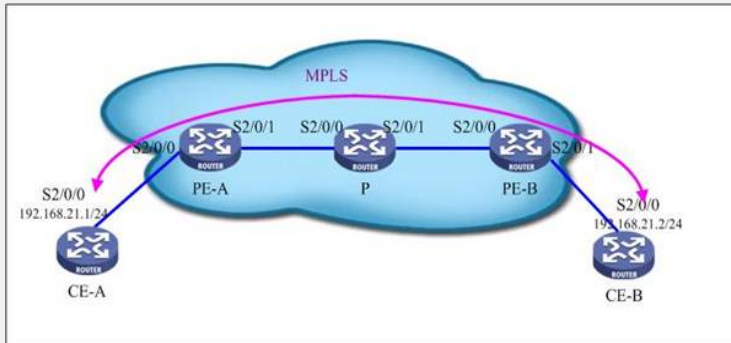


AR28/AR46系列路由器L2VPN - Martini典型配置

【需求】

CE-A的S2/0/0和CE-B的S2/0/0之间建立L2VPN Martini连接。

【组网图】



【配置脚本】

CE-A配置脚本

```
#
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
```

PE-A配置脚本

```
#
sysname PE-A
#
router id 1.1.1.1
#
mpls lsr-id 1.1.1.1
#
mpls l2vpn
#
#
radius scheme system
#
mpls
#
mpls ldp
#
mpls ldp remote 1          /建立remote LDP会话用来发布VC标签/
remote-ip 3.3.3.3
#
domain system
#
interface Serial2/0/0
link-protocol ppp
mpls l2vc 3.3.3.3 100    /创建martini方式的MPLS L2VPN连接/
#
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
```

P配置脚本

```
#
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
```

PE-B配置脚本

```

#
sysname PE-B
#
router id 3.3.3.3
#
mpls lsr-id 3.3.3.3
#
mpls l2vpn
#
#
radius scheme system
#
mpls
#
mpls ldp
#
mpls ldp remote 1           /建立remote LDP会话用来发布VC标签/
remote-ip 1.1.1.1
#
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 l2vc 1.1.1.1 100       /创建martini方式的MPLS L2VPN连接/
#
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

```

CE-B配置脚本

```

#
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

```

【验证】

查看PE-A的martini连接状态:

```
[PE-A-mpls-remote1]disp mpls l2vc
```

```
Total l2vc : 1
```

```
l2vc : 1 up
```

```
l2vc : 0 down
```

Interface: Serial2/0/0, Encapsulation: ppp, Service: VLL

VC-ID	Destination	State	Lcl-Label/Rmt-Label	Tunnel/Index
100	3.3.3.3	up	1025/1025	LSP/2

查看PE-A的LSP:

```
[PE-A-mpls-remote1]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	-----/1025	S2/0/1

查看P的LSP:

[P]disp mpls lsp

LSP Information: Ldp Lsp

TOTAL: 6 Record(s) Found.

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

查看PE-B的LSP:

<PE-B>disp mpls lsp

LSP Information: Ldp Lsp

TOTAL: 3 Record(s) Found.

NO	FEC	NEXTHOP	I/O-LABEL	OUT-INTERFACE
1	2.2.2.2/32	10.0.0.5	-----/3	S2/0/0
2	1.1.1.1/32	10.0.0.5	-----/1024	S2/0/0
3	3.3.3.3/32	127.0.0.1	3/-----	-----

查看PE-B的martini连接状态:

<PE-B>disp mpls l2vc

Total l2vc : 1

l2vc : 1 up

l2vc : 0 down

Interface: Serial2/0/1, Encapsulation: ppp, Service: VLL

VC-ID	Destination	State	Lcl-Label/Rmt-Label	Tunnel/Index
100	1.1.1.1	up	1025/1025	LSP/1

【提示】

Martini方式的VC标签由LDP来发布。下图为二层标签示意图:

