

### MSR路由器 MPLS L2VPN Martini功能的配置

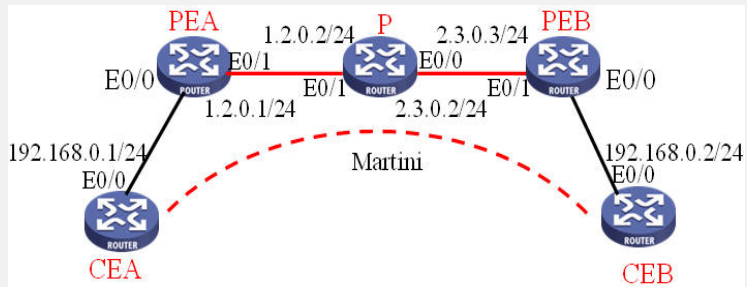
关键词: MSR;MPLS;L2VPN;Martini

#### 一、组网需求:

PEA为CEA提供Martini接入, PEB为CEB提供Martini接入, PEA、PEB各自为接入通过LDP远程会话分发标签。

设备清单: MSR路由器5台

#### 二、组网图:



#### 三、配置步骤:

适用设备和版本: MSR、Version 5.20, Beta 1105后所有版本。

##### CEA配置:

```
#
interface Ethernet0/0
port link-mode route
ip address 192.168.0.1 255.255.255.0
```

##### PEA配置:

```
#
router id 1.1.1.1
#
mpls lsr-id 1.1.1.1
#
mpls
#
mpls l2vpn
#
mpls ldp
#
mpls ldp remote-peer 3.3.3.3
remote-ip 3.3.3.3
#
interface Ethernet0/0
port link-mode route
mpls l2vc 3.3.3.3 1
#
interface Ethernet0/1
port link-mode route
ip address 1.2.0.1 255.255.255.0
mpls
mpls ldp
#
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 1.2.0.0 0.0.0.255
#
P配置:
#
 router id 2.2.2.2
#
 mpls lsr-id 2.2.2.2
#
 mpls
#
 mpls ldp
#
 interface Ethernet0/0
 port link-mode route
 ip address 2.3.0.2 255.255.255.0
 mpls
 mpls ldp
#
 interface Ethernet0/1
 port link-mode route
 ip address 1.2.0.2 255.255.255.0
 mpls
 mpls ldp
#
 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 1.2.0.0 0.0.0.255
 network 2.3.0.0 0.0.0.255
#
PEB配置:
#
 router id 3.3.3.3
#
 mpls lsr-id 3.3.3.3
#
 mpls
#
 mpls l2vpn
#
 mpls ldp
#
 mpls ldp remote-peer 1.1.1.1
 remote-ip 1.1.1.1
#
 interface Ethernet0/0
 port link-mode route
 mpls l2vc 1.1.1.1 1
#
 interface Ethernet0/1
 port link-mode route
 ip address 2.3.0.3 255.255.255.0
 mpls
 mpls ldp
#
 interface LoopBack0
 ip address 3.3.3.3 255.255.255.255
#
 ospf 1
```

```
area 0.0.0.0
network 3.3.3.3 0.0.0.0
network 2.3.0.0 0.0.0.255
```

```
#
```

#### **CEB配置:**

```
#
```

```
interface Ethernet0/0
```

```
port link-mode route
```

```
ip address 192.168.0.2 255.255.255.0
```

```
#
```

#### **四、配置关键点:**

1. PE和P之间要保证MPLS互通，即建立OSPF和LDP连接；
2. PE连接CE的2个接口类型必须一致；
3. PE的接口上必须配置相同的circuit ID。