

MSR路由器 MPLS L2VPN SVC功能的配置

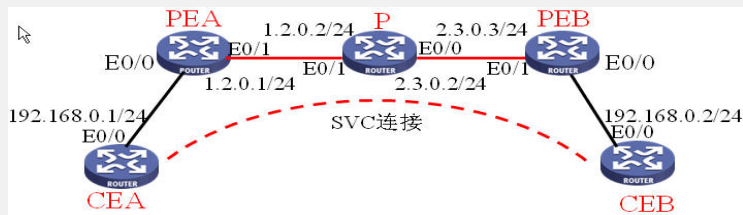
关键词: MSR;MPLS;L2VPN;SVC

一、组网需求:

PEA为CEA提供SVC接入, PEB为CEB提供SVC接入, PEA、PEB各自为接入分发标签。

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  
#  
interface Ethernet0/0  
port link-mode route  
mpls static-l2vc destination 3.3.3.3 transmit-vpn-label 200 receive-vpn-label 100  
#  
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
#
interface Ethernet0/0
port link-mode route
mpls static-l2vc destination 1.1.1.1 transmit-vpn-label 100 receive-vpn-label 200
#
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上标签制定必须要互相匹配。