

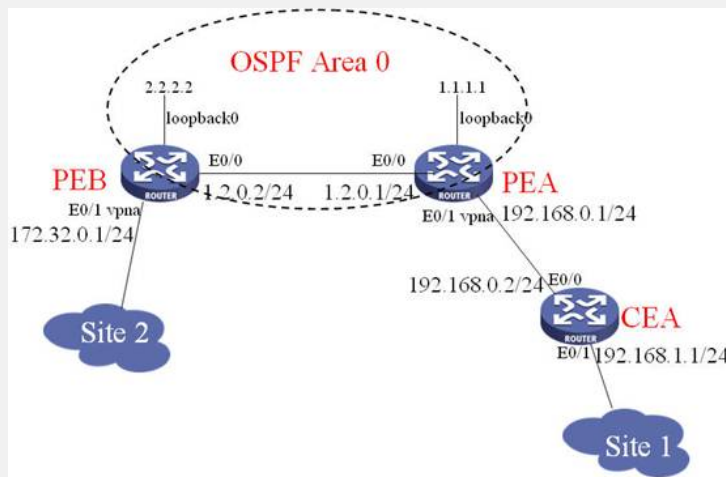
SR6600路由器 MPLS L3VPN 及 ISIS多实例配置

关键词: SR66;MPLS;BGP;VPN;ISIS多实例

一、组网需求:

2台PE各接一个vpna的站点, PEA连接vpna站点1出口CEA, PEA与CEA通过ISIS多实例学习CEA下挂站点路由
设备清单: SR6600路由器3台

二、组网图:



三、配置步骤:

设备和版本: SR6600

CEA配置:

```
#  
isis 1  
network-entity 03.0000.3333.3333.3333.00  
#  
interface Ethernet0/0  
port link-mode route  
ip address 192.168.0.2 255.255.255.0  
isis enable 1  
#  
interface Ethernet0/1  
port link-mode route  
ip address 192.168.1.1 255.255.255.0  
isis enable 1  
#
```

PEA配置:

```
#  
router id 1.1.1.1  
#  
ip vpn-instance vpna  
route-distinguisher 1:1  
vpn-target 1:1 export-extcommunity  
vpn-target 1:1 import-extcommunity  
#
```

```
mpls lsr-id 1.1.1.1
#
mpls
#
mpls ldp
#
isis 1 vpn-instance vpna
network-entity 01.0000.1111.1111.1111.00
import-route bgp
#
#
interface Ethernet0/0
port link-mode route
ip address 1.2.0.1 255.255.255.0
mpls
mpls ldp
#
interface Ethernet0/1
port link-mode route
ip binding vpn-instance vpna
ip address 192.168.0.1 255.255.255.0
isis enable 1
#
interface LoopBack0
ip address 1.1.1.1 255.255.255.255
#
bgp 1
undo synchronization
group 1 internal
peer 1 connect-interface LoopBack0
peer 2.2.2.2 group 1
#
ipv4-family vpv4
peer 1 enable
peer 2.2.2.2 enable
peer 2.2.2.2 group 1
#
ipv4-family vpn-instance vpna
network 192.168.0.0
import-route isis 1
#
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
#
PEB配置:
#
router id 2.2.2.2
#
ip vpn-instance vpna
route-distinguisher 2:1
vpn-target 1:1 export-extcommunity
vpn-target 1:1 import-extcommunity
#
mpls lsr-id 2.2.2.2
#
mpls
#
mpls ldp
#
interface Ethernet0/0
port link-mode route
ip address 1.2.0.2 255.255.255.0
```

```
mpls
mpls ldp
#
interface Ethernet0/1
port link-mode route
ip binding vpn-instance vpna
ip address 172.32.0.1 255.255.255.0
#
interface LoopBack0
ip address 2.2.2.2 255.255.255.255
#
bgp 1
undo synchronization
peer 1.1.1.1 as-number 1
peer 1.1.1.1 connect-interface LoopBack0
#
ipv4-family vpv4
peer 1.1.1.1 enable
#
ipv4-family vpn-instance vpna
import-route direct
#
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
#
```

四、配置关键点：

配置需要注意：

1. ISIS视图下Network-Entity Title的配置；
2. 接口视图下使能ISIS进程；
3. PEA的BGP和ISIS进程的vpn路由要互相引入。