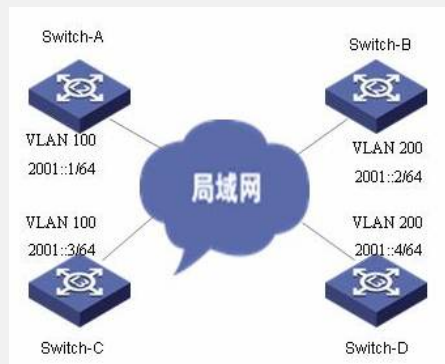


S3610_S5510系列交换机IPv6路由协议OSPFv3 DR的配置

一 组网需求:

1. Switch A的优先级为100, 它是网络上的最高优先级, 被选为DR;
2. Switch C的优先级为2, 它是优先级第二高的, 被选为BDR;
3. Switch B的优先级为0, 这意味着它将无法成为DR;
4. Switch D没有配置优先级, 取缺省值1。

二 组网图:



三 配置步骤:

1. 配置SwitchA, 启动OSPFv3, 并设置其Switch ID为1.1.1.1

```
<SwitchA> system-view
[SwitchA] switch-mode dual-ipv4-ipv6
[SwitchA] ipv6
[SwitchA] ospfv3
[SwitchA-ospfv3-1] router-id 1.1.1.1
[SwitchA-ospfv3-1] quit
[SwitchA] interface Vlan-interface 100
[SwitchA-Vlan-interface100] ospfv3 1 area 0
[SwitchA-Vlan-interface100] quit
```

2. 配置SwitchB, 启动OSPFv3, 并设置其Switch ID为2.2.2.2

```
<SwitchB> system-view
[SwitchB] switch-mode dual-ipv4-ipv6
[SwitchB] ipv6
[SwitchB] ospfv3
[SwitchB-ospfv3-1] router-id 2.2.2.2
[SwitchB-ospfv3-1] quit
[SwitchB] interface Vlan-interface 200
[SwitchB-Vlan-interface200] ospfv3 1 area 0
[SwitchB-Vlan-interface200] quit
```

3. 配置SwitchC, 启动OSPFv3, 并设置其Switch ID为3.3.3.3

```
<SwitchC> system-view
[SwitchC] switch-mode dual-ipv4-ipv6
[SwitchC] ipv6
[SwitchC] ospfv3
[SwitchC-ospfv3-1] router-id 3.3.3.3
[SwitchC-ospfv3-1] quit
[SwitchC] interface Vlan-interface 100
[SwitchC-Vlan-interface100] ospfv3 1 area 0
[SwitchC-Vlan-interface100] quit
```

4. 配置SwitchD, 启动OSPFv3, 并设置其Switch ID为4.4.4.4

```
<SwitchD> system-view
[SwitchD] switch-mode dual-ipv4-ipv6
[SwitchD] ipv6
[SwitchD] ospfv3
[SwitchD-ospfv3-1] router-id 4.4.4.4
[SwitchD-ospfv3-1] quit
[SwitchD] interface Vlan-interface 200
```

```
[SwitchD-Vlan-interface200] ospfv3 1 area 0
```

```
[SwitchD-Vlan-interface200] quit
```

5. 配置SwitchA的接口Vlan-interface100的DR优先级为100。

```
[SwitchA] interface Vlan-interface 100
```

```
[SwitchA-Vlan-interface100] ospfv3 dr-priority 100
```

```
[SwitchA-Vlan-interface100] quit
```

6. 配置SwitchB的接口Vlan-interface200的DR优先级为0。

```
[SwitchB] interface Vlan-interface 200
```

```
[SwitchB-Vlan-interface200] ospfv3 dr-priority 0
```

```
[SwitchB-Vlan-interface200] quit
```

7. 配置SwitchC的接口Vlan-interface100的DR优先级为2。

```
[SwitchC] interface Vlan-interface 100
```

```
[SwitchC-Vlan-interface100] ospfv3 dr-priority 2
```

```
[SwitchC-Vlan-interface100] quit
```

8. 重新进行DR/BDR选择

将所有接口一次shutdown和undo shutdown，使OSPFv3重新进行DR/BDR的选择。

四 配置关键点：

1. 路由器接口的DR优先级将影响接口在选举DR时所具有资格，优先级为0的路由器不会被选举为DR或BDR。