# S3610_S5510系列交换机RIPng的配置

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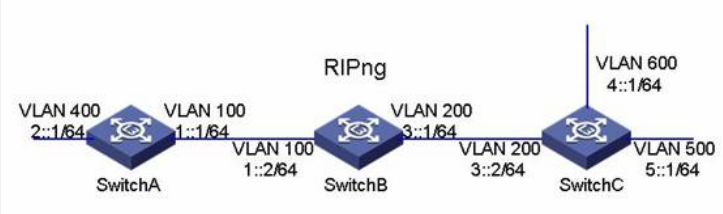
一　组网需求：

1．SwitchA、SwitchB和SwitchC相连并通过RIPng来学习网络中的IPv6路由信息；

2．在SwitchB上对接收的SwitchC的路由（3::/64）进行过滤，使其不接收该前缀对应的路由。

二　组网图：




三　配置步骤：

**1．配置各VLAN虚接口的IPv6地址（略）**

**2．配置RIPng的基本功能**

# 配置SwitchA。

<SwitchA> system-view

[SwitchA] switch-mode dual-ipv4-ipv6

[SwitchA] ipv6

[SwitchA] ripng 1

[SwitchA-ripng-1] quit

[SwitchA] interface vlan-interface 100

[SwitchA-Vlan-interface100] ripng 1 enable

[SwitchA-Vlan-interface100] quit

[SwitchA] interface vlan-interface 400

[SwitchA-Vlan-interface400] ripng 1 enable

[SwitchA-Vlan-interface400] quit

# 配置SwitchB。

<SwitchB> system-view

[SwitchB] switch-mode dual-ipv4-ipv6

[SwitchB] ipv6

[SwitchB] ripng 1

[SwitchB-ripng-1] quit

[SwitchB] interface vlan-interface 200

[SwitchB-Vlan-interface200] ripng 1 enable

[SwitchB-Vlan-interface200] quit

[SwitchB] interface vlan-interface 100

[SwitchB-Vlan-interface100] ripng 1 enable

[SwitchB-Vlan-interface100] quit

# 配置SwitchC。

<SwitchC> system-view

[SwitchC] switch-mode dual-ipv4-ipv6

[SwitchC] ipv6

[SwitchC] ripng 1

[SwitchC-ripng-1] quit

[SwitchC] interface vlan-interface 200

[SwitchC-Vlan-interface200] ripng 1 enable

[SwitchC-Vlan-interface200] quit

[SwitchC] interface Vlan-interface 500

[SwitchC-Vlan-interface500] ripng 1 enable

[SwitchC-Vlan-interface500] quit

[SwitchC] interface vlan-interface 600

[SwitchC-Vlan-interface600] ripng 1 enable

[SwitchC-Vlan-interface600] quit

**3．配置SwitchB对接收的路由进行过滤**

[SwitchB] acl ipv6 number 2000

[SwitchB-acl6-basic-2000] rule deny source 3::/64

[SwitchB-acl6-basic-2000] rule permit
[SwitchB-acl6-basic-2000] quit
[SwitchB] ripng 1
[SwitchB-ripng-1] filter-policy 2000 import
[SwitchB-ripng-1] quit
四　　配置关键点：
1．如果接口没有使能RIPng，那么RIPng进程在该接口上既不发送也不接收RIPng路由。
2．本案例还适用于H3C S5500系列交换机。