H3C S5500-SI 多Smart Link组典型配置

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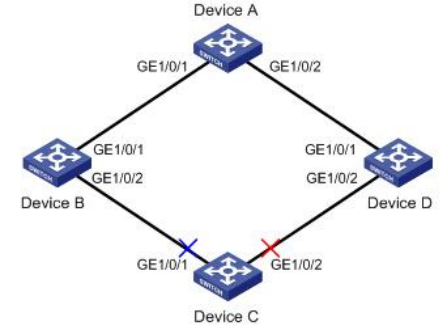
一、 组网需求：

设备Device C上VLAN 1～200的流量通过设备Device B、Device D双上行到设备Device A。要求进行负载分担，VLAN 1～100和VLAN 101～200的两组流量分别通过不同的链路上行到设备Device A；

设备Device C上进行双上行链路灵活备份，Smart Link组1的引用实例0（绑定VLAN 1～100）的流量从经过Device B的链路通向设备Device A；而Smart Link组2的引用实例2（绑定VLAN 101～200）的流量从经过Device D链路通向设备Device A；

Smart Link组1和组2分别在VLAN 10和VLAN 101内发送和接收Flush报文。

二、 组网图：



三、 配置步骤：

1. 设备Device C上的配置

创建VLAN并配置VLAN与MSTP实例的映射关系。

<DeviceC> system-view

[DeviceC] vlan 1 to 200

[DeviceC] stp region-configuration

[DeviceC-mst-region] instance 0 vlan 1 to 100

[DeviceC-mst-region] instance 2 vlan 101 to 200

[DeviceC-mst-region] active region-configuration

[DeviceC-mst-region] quit

关闭端口的STP功能，并将端口配置为Trunk端口且允许VLAN 1～200通过。

[DeviceC] interface gigabitethernet 1/0/1

[DeviceC-GigabitEthernet1/0/1] undo stp enable

[DeviceC-GigabitEthernet1/0/1] port link-type trunk

[DeviceC-GigabitEthernet1/0/1] port trunk permit vlan 1 to 200

[DeviceC-GigabitEthernet1/0/1] quit

[DeviceC] interface gigabitethernet 1/0/2

[DeviceC-GigabitEthernet1/0/2] undo stp enable

[DeviceC-GigabitEthernet1/0/2] port link-type trunk

[DeviceC-GigabitEthernet1/0/2] port trunk permit vlan 1 to 200

[DeviceC-GigabitEthernet1/0/2] quit

创建Smart Link组1。

[DeviceC] smart-link group 1

配置Smart Link组1的保护VLAN。

[DeviceC-smlk-group1] protected-vlan reference-instance 0

配置端口GigabitEthernet1/0/1为主端口，端口GigabitEthernet1/0/2为副端口。

[DeviceC-smlk-group1] port gigabitethernet1/0/1 master

[DeviceC-smlk-group1] port gigabitethernet1/0/2 slave

配置抢占模式为角色抢占。

[DeviceC-smlk-group1] preemption mode role

开启发送Flush报文的功能。

[DeviceC-smlk-group-1] flush enable control-vlan 10

[DeviceC-smlk-group-1] quit

创建Smart Link组2。

[DeviceC] smart-link group 2

配置Smart Link组2的保护VLAN。

[DeviceC-smlk-group2] protected-vlan reference-instance 2

配置端口GigabitEthernet1/0/1为副端口，端口GigabitEthernet1/0/2为主端口。
[DeviceC-smlk-group2] port gigabitethernet1/0/1 slave
[DeviceC-smlk-group2] port gigabitethernet1/0/2 master
配置抢占模式为角色抢占。
[DeviceC-smlk-group2] preemption mode role
开启发送Flush报文的功能。
[DeviceC-smlk-group2] flush enable control-vlan 101
2. 设备Device B上的配置
开启接收Flush报文的功能。
<DeviceB> system-view
[DeviceB] vlan 1 to 200
[DeviceB] interface gigabitethernet 1/0/1
[DeviceB-GigabitEthernet1/0/1] port link-type trunk
[DeviceB-GigabitEthernet1/0/1] port trunk permit vlan 1 to 200
[DeviceB-GigabitEthernet1/0/1] smart-link flush enable control-vlan 10 101
[DeviceB-GigabitEthernet1/0/1] quit
[DeviceB] interface gigabitethernet 1/0/2
[DeviceB-GigabitEthernet1/0/2] port link-type trunk
[DeviceB-GigabitEthernet1/0/2] port trunk permit vlan 1 to 200
[DeviceB-GigabitEthernet1/0/2] smart-link flush enable control-vlan 10 101
3. 设备Device D上的配置
开启接收Flush报文的功能。
<DeviceD> system-view
[DeviceD] vlan 1 to 200
[DeviceD] interface gigabitethernet 1/0/1
[DeviceD-GigabitEthernet1/0/1] port link-type trunk
[DeviceD-GigabitEthernet1/0/1] port trunk permit vlan 1 to 200
[DeviceD-GigabitEthernet1/0/1] smart-link flush enable control-vlan 10 101
[DeviceD-GigabitEthernet1/0/1] quit
[DeviceD] interface gigabitethernet 1/0/2
[DeviceD-GigabitEthernet1/0/2] port link-type trunk
[DeviceD-GigabitEthernet1/0/2] port trunk permit vlan 1 to 200
[DeviceD-GigabitEthernet1/0/2] smart-link flush enable control-vlan 10 101
4. 设备Device A上的配置
开启接收Flush报文的功能。
<DeviceA> system-view
[DeviceA] vlan 1 to 200
[DeviceA] interface gigabitethernet 1/0/1
[DeviceA-GigabitEthernet1/0/1] port link-type trunk
[DeviceA-GigabitEthernet1/0/1] port trunk permit vlan 1 to 200
[DeviceA-GigabitEthernet1/0/1] smart-link flush enable control-vlan 10 101
[DeviceA-GigabitEthernet1/0/1] quit
[DeviceA] interface gigabitethernet 1/0/2
[DeviceA-GigabitEthernet1/0/2] port link-type trunk
[DeviceA-GigabitEthernet1/0/2] port trunk permit vlan 1 to 200
[DeviceA-GigabitEthernet1/0/2] smart-link flush enable control-vlan 10 101
配置完毕后，用户可以使用display命令查看Smart Link的配置和报文统计情况。
四、 配置关键点：
无。