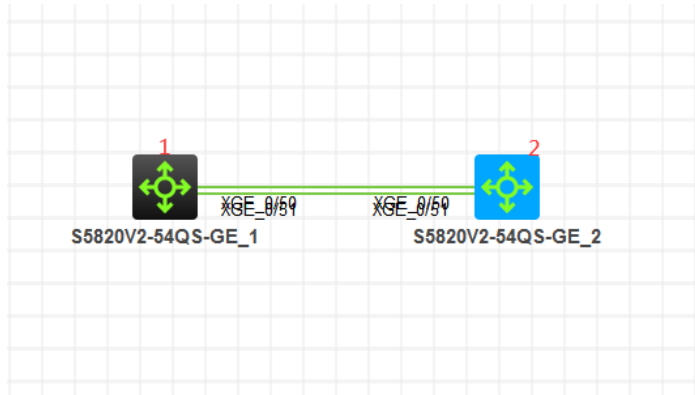


组网及说明

H3C HCL S5820配置IRF的案例:

网络拓扑图:



图中两台S5820交换机都分别使用万兆口50口、51口进行互联，其中1号设备、2号设备均已在拓扑图中标识清楚，1代表成员1、2代表成员2

配置步骤

- 1、1号设备设定为IRF 1号成员，2号设备设定为IRF 2号成员。
- 2、绑定IRF端口。
- 3、激活IRF功能。
- 4、检查设备是否已堆叠完成。

配置关键点

- 1、1号设备关键配置如下:

```
[H3C]irf member 1 renumber 1 //将1号设备设定为成员1
Renumbering the member ID may result in configuration change or loss. Continue?[Y/N]:y
[H3C]int range Ten-GigabitEthernet 1/0/50 to Ten-GigabitEthernet 1/0/51
[H3C-if-range]shutdown
[H3C-if-range]quit

[H3C]irf-port 1/1 //将物理端口绑定到IRF端口
[H3C-irf-port1/1]port group interface Ten-GigabitEthernet 1/0/50
[H3C-irf-port1/1]port group interface Ten-GigabitEthernet 1/0/51
[H3C-irf-port1/1]quit

[H3C]int range Ten-GigabitEthernet 1/0/50 to Ten-GigabitEthernet 1/0/51
[H3C-if-range]undo shutdown
[H3C-if-range]quit

[H3C]irf-port-configuration active //激活IRF
[H3C]save
```

- 2、2号设备关键配置点如下:

```
[H3C]irf member 1 renumber 2 //将2号设备设定为成员2

[H3C]int range Ten-GigabitEthernet 1/0/50 to Ten-GigabitEthernet 1/0/51
[H3C-if-range]shutdown
[H3C-if-range]quit
[H3C]irf-port 1/2 //将物理端口绑定到IRF端口
[H3C-irf-port1/2]port group interface Ten-GigabitEthernet 1/0/50
[H3C-irf-port1/2]port group interface Ten-GigabitEthernet 1/0/51
[H3C-irf-port1/2]quit

[H3C]int range Ten-GigabitEthernet 1/0/50 to Ten-GigabitEthernet 1/0/51
[H3C-if-range]undo shutdown
```

```
[H3C-if-range]quit
[H3C]irf-port-configuration active //激活IRF
[H3C]save
```

3、分别将成员1设备、成员2设备重启

4、测试

<H3C>dis irf //查看IRF的信息，看到成员1和成员2的设备信息都在一起

```
MemberID  Role  Priority  CPU-Mac  Description
*+1      Master  1        30bd-490a-0104  ---
  2      Standby 1        30bd-525e-0204  ---
```

* indicates the device is the master.

+ indicates the device through which the user logs in.

The bridge MAC of the IRF is: 30bd-490a-0100

```
Auto upgrade      : yes
Mac persistent    : 6 min
Domain ID         : 0
```

<H3C>

<H3C>dis irf link //查看成员1、成员2 IRF链路的状态均为UP

```
Member 1
IRF Port  Interface          Status
  1      Ten-GigabitEthernet1/0/50  UP
         Ten-GigabitEthernet1/0/51  UP
  2      disable                --
```

```
Member 2
IRF Port  Interface          Status
  1      disable                --
  2      Ten-GigabitEthernet2/0/50  UP
         Ten-GigabitEthernet2/0/51  UP
```

<H3C>

<H3C>dis irf configuration //查看IRF的配置信息

```
MemberID NewID  IRF-Port1          IRF-Port2
  1      1      Ten-GigabitEthernet1/0/50  disable
         Ten-GigabitEthernet1/0/51
  2      2      disable                Ten-GigabitEthernet2/0/50
         Ten-GigabitEthernet2/0/51
```

<H3C>

<H3C>dis irf topology //查看IRF的拓扑信息

```
Topology Info
-----
      IRF-Port1          IRF-Port2
MemberID  Link  neighbor  Link  neighbor  Belong To
  2      DIS  ---      UP    1        30bd-490a-0104
  1      UP    2        DIS  ---      30bd-490a-0104
```

<H3C>

至此S5820交换机的IRF已配置完成!