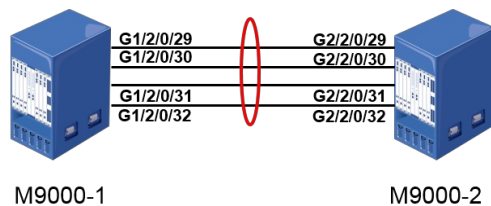


某局点M9000 IRF PORT绑定物理端口失败问题处理的经验案例

IRF w11749 2016-04-28 发表

组网拓扑：



问题描述：

某局点使用两台M9000做堆叠，并使用2个物理端口连接。由于客户需求，需要将物理端口数量增加为4个。但是客户反馈在往irf port中添加物理端口时，执行undo shutdown时候提示失败。

```
[M9000-1-Ten-GigabitEthernet1/2/0/32]INT RAN TEN 1/2/0/29 TO TEN 1/2/0/32
```

```
[M9000-1-if-range]UNDO SH
```

```
[M9000-1-if-range]UNDO shutdown
```

Bind all interfaces in the same group to one or two IRF ports or cancel the bindings on all of them.

Configuration terminated because it failed on Ten-GigabitEthernet1/2/0/29.

现场反馈该问题后，让客户将配置以及操作过程记录了下来：

1、原IRF端口的配置：

```
[M9000-1-irf-port1/1]dis this
```

```
#
```

```
irf-port 1/1
```

```
port group interface Ten-GigabitEthernet1/2/0/31 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/32 mode enhanced
```

```
#
```

2、现场使用的接口板为NSQ1TG32SF0，按顺序每4个端口为一组，添加的端口和原来的两个端口为一组，所以在与IRF端口绑定之前需要先将组内所有端口shutdown：

```
[M9000-1-irf-port1/1]int ran ten 1/2/0/29 to ten 1/2/0/32
```

```
[M9000-1-irf-port1/1]sh
```

```
[M9000-1-if-range]sh
```

```
[M9000-1-if-range]shutdown
```

```
[M9000-1-if-range]sh
```

```
[M9000-1-if-range]shutdown
```

3、将新增的物理端口和IRF端口进行绑定：

```
[M9000-1-irf-port1/1]dis this
```

```
#
```

```
irf-port 1/1
```

```
irf-port 1/1
```

```
port group interface Ten-GigabitEthernet1/2/0/29 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/30 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/31 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/32 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/33 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/34 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/35 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/36 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/37 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/38 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/39 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/40 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/41 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/42 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/43 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/44 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/45 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/46 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/47 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/48 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/49 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/50 mode enhanced
```

```
port group interface Ten-GigabitEthernet1/2/0/51 mode enhanced
```

```
[M9000-1-if-range]UNDO SH
```

```
[M9000-1-if-range]UNDO shutdown
```

Bind all interfaces in the same group to one or two IRF ports or cancel the bindings on all of them.

Configuration terminated because it failed on Ten-GigabitEthernet1/2/0/29.

在进行最后一步操作的时候提示失败，仔细分析操作记录会发现，客户是先激活了端口的IRF配置，再执行undo shutdown操作。一旦激活了IRF端口的配置，端口只支持shutdown、description和flow-inter

val等命令，所以undo shutdown操作会失败，也就是说现场的配置顺序存在问题。

这也是为何客户在还原配置后，对原来的端口执行undo shutdown操作时候仍然报错：

```
[M9000-1-if-range]INT TEN 1/2/0/31
```

```
[M9000-1-Ten-GigabitEthernet1/2/0/31]UNDO shutdown
```

Bind all interfaces in the same group to one or two IRF ports or cancel the bindings on all of them.

```
[M9000-1-Ten-GigabitEthernet1/2/0/31]INT TEN 1/2/0/32
```

```
[M9000-1-Ten-GigabitEthernet1/2/0/31]UNDO shutdown
```

Bind all interfaces in the same group to one or two IRF ports or cancel the bindings on all of them.

因为此时端口还处于激活状态，所以不能执行undo shutdown操作，所以必须先将物理端口移出，再重新绑定，然后执行undo shutdown操作，最后再保存并激活irf配置。

1、如果是同组的端口，在添加物理端口时候，需要先shutdown所有物理端口，然后移出IRF端口中的物理端口，接着按照IRF的配置步骤正确配置（先与irf端口绑定，然后undo shutdown，最后保存配置并激活）。

2、如果客户不希望增加物理端口时发生堆叠分裂，可以添加非同组的物理端口，但是这样会使同组的其他端口无法使用，导致浪费。