

知 HPE HDR IB交换机+HDR “Y”形线缆（2\*100Gb）链接两块IB网卡，当前的现象是Y形线缆其中一个口灯可以亮，另外一个口的灯不亮。

网板模块 吕飞 2023-04-27 发表

#### 问题描述

HDR交换机+HDR “Y”形线缆（2\*100Gb）链接两块IB网卡，当前的现象是Y形线缆其中一个口灯可以亮，另外一个口的灯不亮。

## 过程分析

交换机需要开启端口拆分功能，并把对应的端口拆分。

## 解决方法

### 一、查看交换机的Split Ready模式是否开启

1. 登录IB交换机输入enable进入特权模式  
IB [standalone: master] > **enable**  
IB [standalone: master] #
2. 输入show system profile查看交换机配置文件Split Ready状态为no，表示Split Ready模式未开启。  
IB [standalone: master] # **show system profile**

```
Profile          : ib
Number of SWIDs  : 1
Adaptive Routing : yes
Adaptive Routing Groups: 2048
Split Ready      : no
IB Routing       : no
```

### 二、开启交换机的Split Ready模式，并配置端口拆分

1. 进入全局配置模式输入configure terminal  
IB [standalone: master] # **configure terminal**  
IB [standalone: master] (config) #
2. 输入system profile ib split-ready启用Split模式 (**注意: 输入完成后会自动重启, 如果是现网运行环境需申请停机窗口进行操作。)**  
IB [standalone: master] (config) # **system profile ib split-ready**  
Warning - confirming will cause system reboot and all configuration will be deleted

3. 交换机重启后会重新对管理口进行初始化, ssh登录IB交换机管理端口

```
C:\Users\L62456>ssh admin@IB交换机管理IP地址
Mellanox MLNX-OS Switch Management
Password:
Last login: Fri Mar 17 11:34:48 2023 from 10.12.96.152
Mellanox Switch
```

Configuration wizard

```
Do you want to use the wizard for initial configuration?
Please answer 'yes' or 'no'.
Do you want to use the wizard for initial configuration? yes
```

```
Step 1: Hostname? [switch-7cf670]
Step 2: Use DHCP on mgmt0 interface? [no] no
Step 3: Use zeroconf on mgmt0 interface? [no] no
Step 4: Primary IPv4 address and masklen? [10.12.184.38/22]
Step 5: Default gateway? [10.12.184.1]
Step 6: Primary DNS server?
Step 7: Domain name?
Step 8: Enable IPv6? [yes]
Step 9: Enable IPv6 autoconfig (SLAAC) on mgmt0 interface? [no]
Step 10: Enable DHCPv6 on mgmt0 interface? [yes]
Step 11: Admin password (Must be typed)?
Due to security requirement, passwords must be typed
Step 11: Admin password (Must be typed)?
Step 11: Confirm admin password?
Step 12: Monitor password (Must be typed)?
Step 12: Confirm monitor password?
```

You have entered the following information:

1. Hostname: switch-7cf670
2. Use DHCP on mgmt0 interface: no
3. Use zeroconf on mgmt0 interface: no
4. Primary IPv4 address and masklen: 10.12.184.38/22
5. Default gateway: 10.12.184.1

6. Primary DNS server:
7. Domain name:
8. Enable IPv6: yes
9. Enable IPv6 autoconfig (SLAAC) on mgmt0 interface: no
10. Enable DHCPv6 on mgmt0 interface: no