

 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: -----