

知 某局点U-Center拓扑链路学习错误问题典型案例

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组网及说明

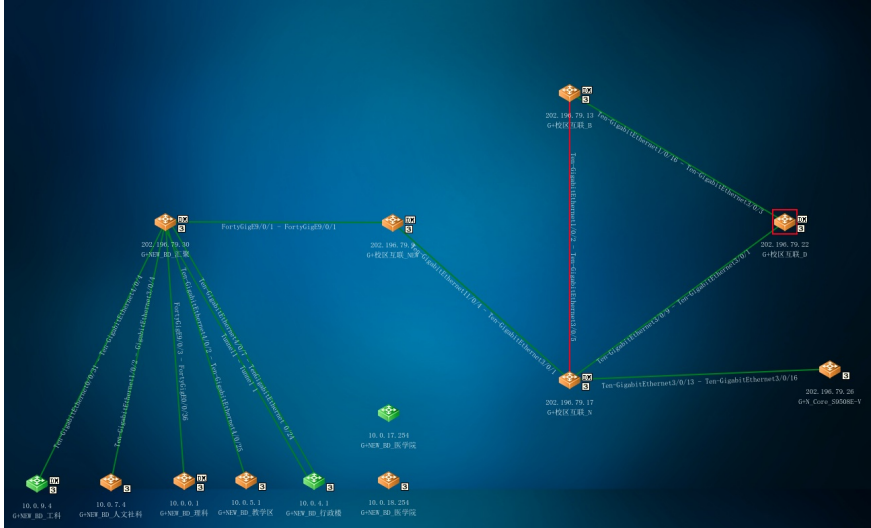
不涉及

问题描述

版本：UCenter E0508L09

问题：拓扑链路学习不对问题，具体如下。同时拓扑诊断出来设备LLDP是否启用为否，这个状态也不对。

如下图所示：202.196.79.13与202.196.79.22之间的链路，接口与实际情况不符。



过程分析

查看iMC拓扑内存中的日志记录的LLDP链路信息:

H3C S10512

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```
lflIndex: 294
lflDesc: Ten-GigabitEthernet3/0/3
OpplflIndex: 113
OpplflDesc: Ten-GigabitEthernet1/0/16
OppAddrType: 0
OppAddr: 0x70baef9acf2f
OppSysName: North_10512
OppSysDesc: H3C Comware Platform Software, Software Version 7.1.045, Release 7150
```

查看设备的实际链路信息如下:

```
<North_10510>dis lldp status interface ten 3/0/30
LLDP status information of port 321 [Ten-GigabitEthernet3/0/30]:
LLDP agent nearest-bridge:
Port status of LLDP          : Enable
Admin status                 : TX_RX
Trap flag                    : No
MED trap flag                : No
Polling interval             : 0s
Number of LLDP neighbors     : 1
Number of MED neighbors      : 0
Number of CDP neighbors      : 0
Number of sent optional TLV  : 12
Number of received unknown TLV : 0

LLDP agent nearest-nontpnr:
Port status of LLDP          : Enable
Admin status                 : Disable
Trap flag                    : No
MED trap flag                : No
Polling interval             : 0s
Number of LLDP neighbors     : 0
Number of MED neighbors      : 0
Number of CDP neighbors      : 0
Number of sent optional TLV  : 0
Number of received unknown TLV : 0

LLDP agent nearest-customer:
Port status of LLDP          : Enable
Admin status                 : Disable
Trap flag                    : No
MED trap flag                : No
Polling interval             : 0s
Number of LLDP neighbors     : 0
Number of MED neighbors      : 0
Number of CDP neighbors      : 0
Number of sent optional TLV  : 0
Number of received unknown TLV : 0
```

```

<Dong_Center_S7506E-X>dis lldp status interface ten 1/0/29
LLDP status information of port 126 [Ten-GigabitEthernet1/0/29]:
LLDP agent nearest-bridge:
Port status of LLDP      : Enable
Admin status            : Enable
Trap flag                : No
MED trap flag           : No
Polling interval        : 0s
Number of LLDP neighbors : 1
Number of MED neighbors : 0
Number of CDP neighbors : 0
Number of sent optional TLV : 12
Number of received unknown TLV : 0

LLDP agent nearest-nontpmr:
Port status of LLDP      : Enable
Admin status            : Disable
Trap flag                : No
MED trap flag           : No
Polling interval        : 0s
Number of LLDP neighbors : 0
Number of MED neighbors : 0
Number of CDP neighbors : 0
Number of sent optional TLV : 0
Number of received unknown TLV : 0

LLDP agent nearest-customer:
Port status of LLDP      : Enable
Admin status            : Disable
Trap flag                : No
MED trap flag           : No
Polling interval        : 0s
Number of LLDP neighbors : 0
Number of MED neighbors : 0
Number of CDP neighbors : 0
Number of sent optional TLV : 0
Number of received unknown TLV : 0

```

交换机已开启LLDP，并且能够发现邻居。

```

<North_10510>dis lldp nei list system-name Dong_Center_S7506E-X
Chassis ID : * -- -- Nearest nontpmr bridge neighbor
# -- -- Nearest customer bridge neighbor
Default -- -- Nearest bridge neighbor
Local Interface Chassis ID Port ID System Name
XGE3/0/30 74d6-cb1c-ac00 Ten-GigabitEthernet1/0/29 Dong_Center_S7506E-X

```

```

<Dong_Center_S7506E-X>dis lldp nei list system-name North_10510
Chassis ID : * -- -- Nearest nontpmr bridge neighbor
# -- -- Nearest customer bridge neighbor
Default -- -- Nearest bridge neighbor
Local Interface Chassis ID Port ID System Name
XGE1/0/29 f010-909c-d600 Ten-GigabitEthernet3/0/30 North_10510

```

