

知 某局点S6800与服务器互联端口lldp不显示system name

LLDP 刘倩 2022-09-13 发表

组网及说明

组网不涉及

S6800直连服务器

设备型号: S6800

告警信息

不涉及

问题描述

交换机和服务器互联的端口查看lldp邻居关系时只显示MAC地址不显示对端的system name

过程分析

查看设备上lldp邻居不显示system name

```
<LFRZ>dis lldp nei list
```

```
Chassis ID : * -- -- Nearest nontpmr bridge neighbor
```

```
# -- -- Nearest customer bridge neighbor [19:46:26:670] Default -- -- Nearest bridge neighbor
```

```
Local Interface    Chassis ID      Port ID        System Name
```

```
XGE1/0/1    ac1f-6b33-9de2    ac1f-6b33-9232    -
```

抓包确认对端服务器发过来的lldp报文是有携带system name字段过来的

```
tcpdump: listening on eth0, link-type EN10MB (Ethernet), capture size 262144 bytes
10:46:51.885383 ac:1f:6b:33:b7:74 > 01:80:c2:00:00:0e, ethertype LLDP (0x88cc), length 247: LLDP, length 233
  Chassis ID TLV (1), length 7
    Subtype MAC address (4): ac:1f:6b:33:b7:74
  Port ID TLV (2), length 7
    Subtype MAC address (3): ac:1f:6b:33:b7:74
  Time to Live TLV (3), length 2: TTL 120s
  System Name TLV (5), length 21: n18-073-139.byted.org
  System Description TLV (6), length 110
```

在交换机上debug和实际抓包对比来看，报文有差异，实际交换机上解析出的lldp报文并没有包含system 那么字段

```
*Mar 4 10:27:44:760 2020 HEZD-04-4A01-ASW-H6900-01U41 LLDP/7/Packet received:
```

```
Interface Ten-GigabitEthernet1/0/1 nearest-bridge; Length is 196.
```

```
Chassis type      : Locally assigned
```

```
Chassis ID       : 37383638-3330-4E43-3739-333030434C30
```

```
Port ID type     : Interface name
```

```
Port ID         : Embedded ALOM, Port 1
```

```
Time to live    : 121
```

```
Port description : NIC 10/40Gb QSFP
```

System description :

```
ProLiant DL380 Gen10
```

```
Management address type      : IPv4
```

```
Management address          : 10.253.212.83
```

```
Management address interface type : Unknown
```

```
Management address interface ID  : Unknown
```

```
Management address OID         : 0
```

```
Management address type       : All802
```

```
Management address           : 08f1-eaf2-5236
```

```
Management address interface type : Unknown
```

```
Management address interface ID  : Unknown
```

```
Management address OID         : 0
```

```
DCBX Control info:
```

```
Oper version      : Ver 1.01
```

正常应该包含如下字段

```
*Mar 4 10:27:45:837 2020 HEZD-04-4A01-ASW-H6900-01U41 LLDP/7/Packet sent:
```

```
Interface Ten-GigabitEthernet1/0/1 nearest-bridge; Length is 344.
```

```
Chassis type      : MAC address
```

```
Chassis ID       : 542b-de4f-51f8
```

```
Port ID type     : Interface name
```

```
Port ID         : Ten-GigabitEthernet1/0/1
```

```
Time to live    : 121
```

```
Port description : Ten-GigabitEthernet1/0/1 Interface
```

```
System name     : HEZD-04-4A01-ASW-H6900-01U41
```

```
System description :
```

最终确认是 服务器侧网卡自动发送LLDP导致，进而导致我司交换机没有学到操作系统发出的LLDP报文

解决方法

可按照如下案例关闭网卡自动发送lldp

[如何在Redhat下关闭HPE 560SFP+网卡的LLDP - 知了社区 \(h3c.com\)](#)

