

某局点ET916-H-A uni接口配置vlan提示资源不足问题处理经验案例

其他硬件相关 刁勇 2023-12-28 发表

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问题描述

在uni接口配置vlan标记模式的时候提示资源不足:

```
[OLT-01-Onu3/0/6:1]uni 1 vlan-mode tag pvid 47
Not enough resources to complete the operation.
[OLT-01-Onu3/0/6:1]qu
[OLT-01]int Onu3/0/6:1
[OLT-01-Onu3/0/6:1]uni 1 vlan-mode tag pvid 47
Not enough resources to complete the operation.
```

过程分析

因为提示资源不足,所以先确认设备相关资源使用情况,S7510X整框一共有64000个uni资源,而设备上有10块OLT板卡:

```
=====display device verbose=====
Slot  Brd Type          Brd Status  Subslot  Sft Ver      Patch Ver
0   LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
1   LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
2   LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
3   LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
4   LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
5   LSQM1MPUS10B0     Master      0         S7500X-7639P01  None
6   LSQM1MPUS10B0     Standby    0         S7500X-7639P01  None
7   LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
8   LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
9   LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
10  LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
11  LSQM2XPT12TSFD0    Normal      0         S7500X-7639P01  None
```

每块板卡上有12个OLT接口,每个OLT接口启用了24个ONU,这些ONU有很多都不在线,比如:

```
=====display onu slot 1=====
----- OLT1/0/12 -----
The port is down.
ONUs found: 3
```

```
=====display onu slot 2=====
----- OLT2/0/12 -----
The port is down.
```

ONUs found: 156

对于没有注册的ONU默认会占用79个uni资源,我们以一个口8个ONU没有注册来计算的话, $10 \times 12 \times 8 \times 79 = 75840$,这就已经超规格了

解决方法

将不使用的ONU接口删除,释放uni资源