

某局点S7506E-NP 查看不到ONU下联终端的MAC地址经验案例

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组网及说明

OLT----ONU----PC

问题描述

现场反馈ONU下关联的是PC终端，但是在S7506E-NP 查看不到ONU下联终端的MAC地址

过程分析

1、ONU状态正常，下联终端是PC，也可以正常访问到核心

```
[OLT]dis onu inter olt 3/0/7
```

MAC	LOID	LLID	Dist(M)	Port	Model/Version	Sft/Epm	State	Agin
7057-bf4f-0da2		2	<1000	Onu3/0/7:1	ET354/B0	115/	Up	N/A
7057-bf4f-0bf4		1	<1000	Onu3/0/7:2	ET354/B0	115/	Up	N/A
7057-bf4f-4262		3	<1000	Onu3/0/7:3	ET354/B0	115/	Up	N/A
7057-bf4f-104c		4	<1000	Onu3/0/7:4	ET354/B0	115/	Up	N/A
7057-bf4f-0c78		5	<1000	Onu3/0/7:5	ET354/B0	115/	Up	N/A

2、在设备上输入命令看不到终端mac

```
[OLT]dis mac-address interface Onu 3/0/7:1
```

MAC Address	VLAN ID	State	Port/Nickname	Aging

```
[OLT]dis mac-address interface Onu 3/0/7:2
```

MAC Address	VLAN ID	State	Port/Nickname	Aging

```
[OLT]dis mac-address interface Onu 3/0/7:3
```

MAC Address	VLAN ID	State	Port/Nickname	Aging

```
[OLT]dis mac-address interface Onu 3/0/7:4
```

MAC Address	VLAN ID	State	Port/Nickname	Aging

3、后续让现场使用下面命令查看

```
[OLT-probe]display hardware internal olt mac onu onu 3/0/7:2
```

```
Onu mac learning limit is 4096
```

```
Mac learning is enable:
```

```
Mac record List:
```

```
14dd-a979-0f04  VlanId 100 Chip 1 Olt 2 Onuld 1 Flag 1 LLid 1
0024-7e0f-f5f9  VlanId 100 Chip 1 Olt 2 Onuld 1 Flag 1 LLid 1
94c6-9100-392b  VlanId 100 Chip 1 Olt 2 Onuld 1 Flag 1 LLid 1
0024-7e0f-ee85  VlanId 100 Chip 1 Olt 2 Onuld 1 Flag 1 LLid 1
```

```
Mac Cache Count:4
```

```
<OLT>dis mac-address interface Onu 3/0/7:2 //静态表项
```

MAC Address	VLAN ID	State	Port/Nickname	Aging
0024-7e0f-ee85	100	Static	Onu3/0/7:2	N

发现在隐藏模式下和正常视图下学习到的MAC地址数量不一致，

4、查看配置发现

```
interface Olt3/0/7
```

```
using onu 1 to 16
```

```
port link-type hybrid
```

```
port hybrid vlan 100 200 tagged
```

```
dot1x
```

由于接口上配置了dot1x功能，所以隐藏视图下看到的mac表项是动态的和正常视图下看到的不一致

解决方法

1、看不到终端MAC地址的话是由于接口上配置了dot1X功能，可以在隐藏视图下使用如下命令查看

```
[OLT-probe]display hardware internal olt mac onu onux/x/x
```

2、在接口上配置dot1x功能时，隐藏视图下看到的是动态表项。