EPON如何部署ip source guard配合dhcp snooping实现安全防控功能？

EPON-OLT   IP Source Guar   DHCP Snooping   **张文宁**   2021-12-08 发表

组网及说明

组网：
DHCP服务器----OLT（二层）-----ONU-----终端

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1. DHCP SERVER
#
dhcp enable
dhcp server forbidden-ip 192.85.1.1
dhcp server request-ip-address check

#
dhcp server ip-pool yudy
gateway-list 192.85.1.1
network 192.85.1.0 mask 255.255.255.0
#
interface Vlan-interface1030
ip address 192.85.1.1 255.255.255.0

2. DHCP SNOOPING （OLT）
#
dhcp snooping enable vlan 1030
#
interface GigabitEthernet3/0/1
port link-mode bridge
description to-DHCP-SERVER
port access vlan 1030
dhcp snooping trust
#
interface Olt5/0/9
using onu 1 to 6
port link-type hybrid
undo port hybrid vlan 1
port hybrid vlan 100 1030 tagged
ip verify source ip-address mac-address
 _

 _
interface Onu5/0/9:5
bind onu-id 4046-2408-1084
upstream-sla maximum-bandwidth 15625
undo onu protocol loopback-detection enable
uni 1 vlan-mode tag pvid 1030
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 100 1030
dhcp snooping binding record

注1：标下划线的是关键配置。

注2：如果不想在onu口下配置dhcp snooping binding record，可替换在vlan视图下发：

[OLT-vlan1030] dhcp snooping binding record

注3：如果dhcp server在OLT设备上，则设备侧无法实现客户的安全需求。