

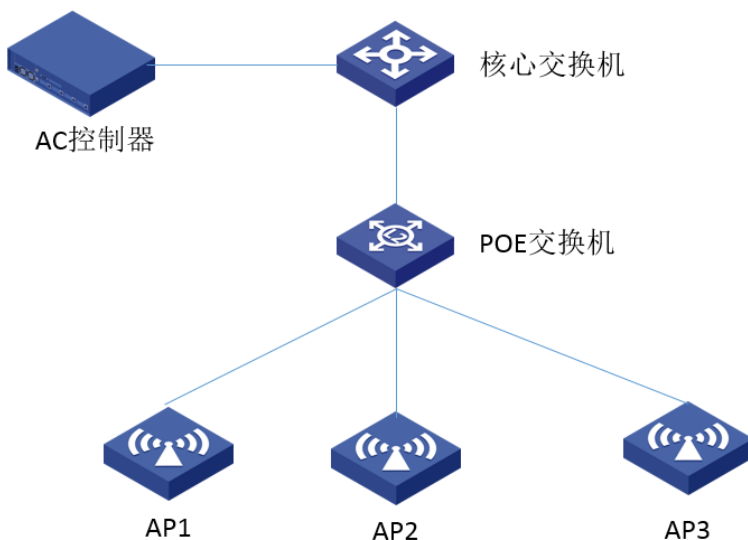
某局点ipv6 portal认证提示设备拒绝接入经验案例

Portal 柴鹏辉 2019-09-18 发表

组网及说明

1、组网需求

WX系列AC控制器，fit系列AP，交换机二层设备



问题描述

客户做了ipv6认证，终端可以正常获取ipv6地址，可以正常弹出portal界面，但是输入账号密码认证时提示设备拒绝接入。

过程分析

- 1、在AC上开启radius认证debug，无任何debug输出。因此确定该认证过程还未走到radius交互。
- 2、在AC开启portal的debug同时在imc上打开portal的调试，得到如下信息：

```
[527][PortalWeb::fromLoginResponsePkt2PortalLink][ErrorNumber:7]portal-server-response:packet_errorCode:1
[527][PortalWebServlet::onLogin(HttpServletRequest)] data is: {"portServErrorCode":"1","portServErrorCodeDesc":"设备拒绝请求","e_o":"po
[533][PortalWeb::getPreAuthInfo] publicIp or remote address:172.168.255.10
[533][PortalWeb::getPreAuthInfo] privateIp:172.168.255.10
[533][PortalWeb::getPreAuthInfo] come into ...
[533][CommonUtil::printHttpRequestHead] http-request-head [host : 192.168.255.10:8080][connection : keep-alive][upgrade-insecure-quest
[533][PortalWeb::sendRX] portalProxyIP:192.168.255.10
[533][PortalWeb::sendRX] portal web address : /192.168.255.10
[533][PortalWeb::sendRX] portal web port : 57715
[533][PortalWeb::sendRX] 172.168.255.10 ; CODE_PP_DOMAIN_REQUEST(110) ; 16153 ; 报文处理成功
```

```
*Aug 31 15:57:16:314 2019 NMSJZX-AC PORTAL/7/ERROR: Failed to get wlan snooping.Userip:240E:83:9006:8200:29C7:9A32:A6C9:7AB2
*Aug 31 15:57:16:315 2019 NMSJZX-AC PORTAL/7/ERROR: Failed to get dhcp snooping.Userip:240E:83:9006:8200:29C7:9A32:A6C9:7AB2
*Aug 31 15:57:16:315 2019 NMSJZX-AC PORTAL/7/ERROR: Failed to get ifindex from IFCTM.user IP=240E:83:9006:8200:29C7:9A32:A6C9:7AB2
*Aug 31 15:57:16:315 2019 NMSJZX-AC PORTAL/7/PACKET:
Portal received 50 bytes of packet: Type=req_info(9), ErrCode=0, IP=0.0.0.0
```

3、从AC的debug来看应该是ac无法获取终端的ipv6地址。进一步查看相关配置，发现有如下配置，客户关闭了ipv6的nd检测，导致ac无法学习到ipv6地址，因此校验失败；

```
client forwarding-location ap
quick-association enable
ft enable
undo client ipv6-snooping nd-learning enable
portal enable method direct
portal domain portal
portal bas-ip 192.168.255.2
portal apply web-server portal
portal apply mac-trigger-server abc
portal ipv6 enable method direct
portal ipv6 domain dm2
```

解决方法

ac上开启ipv6 nd检测，问题解决。