

知 S12504G-AF MAC-trigger结合portal 不弹窗

Portal

MAC地址认证

李莹

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问题描述

做了MAC-trigger结合portal，首次认证portal不弹窗。（服务器上看没有测试终端的表项信息）将MAC-trigger配置删除之后portal弹窗正常。

故障时，手动触发流量也不弹窗，手动输入url地址，重定向正常。

设备配置

```
interface Vlan-interface100
ip address 10.x.x.1 255.255.255.0
dhcp server apply ip-pool 100
portal enable method direct
portal user-detect type arp retry 5 interval 10 idle 300
portal domain h3c
portal bas-ip 10.x.x.1
portal apply web-server ndtest
portal apply mac-trigger-server ndtest
web-redirect url http://10.x.x.60:xxx/am/portal/serviceId/SNxxxxxx/ac/H3C/ssid/ndtest
```

```
portal mac-trigger-server ndtest
ip 10.x.x.60 key cipher $c$3$b5WVlpC9+mmS0WB14MZ2rXgL9zjqeFdCZxbwWA==
server-type cmcc
```

过程分析

debugging portal all ,从debug看,已经有了首次认证,再次认证时报错找不到无感知表项。但是没有触发弹窗

*Jun 16 15:24:17:302 2023 H3C PORTAL/7/PACKET: -MDC=1;

Portal sent 35 bytes of packet: Type=req_macbind_info(48), ErrCode=0, IP=10.x.x.4

*Jun 16 15:24:17:307 2023 H3C PORTAL/7/PACKET: -MDC=1;

Portal received 54 bytes of packet: Type=req_auth(3), ErrCode=0, IP=10.x.x.4

*Jun 16 15:24:18:221 2023 H3C PORTAL/7/EVENT: -MDC=1-Slot=5; Set mac trigger rule status 0.

*Jun 16 15:24:18:221 2023 H3C PORTAL/7/RULE: -MDC=1-Slot=5;

MT_RULE:

InterfaceL3 = Vlan-interface100

InterfaceL2 = Ten-GigabitEthernet0/0/3

VLAN = 100

SrcMAC = xxxx-xxxx-xxxx

SrcIP = 10.x.x.4

Operation = 0

*Jun 16 15:24:17:333 2023 H3C PORTAL/7/EVENT: -MDC=1-Slot=0; Del mac trigger rule successfully.

*Jun 16 15:24:18:243 2023 H3C PORTAL/7/EVENT: -MDC=1-Slot=5; Del mac trigger rule successfully.

*Jun 16 15:24:17:325 2023 H3C PORTAL/7/PACKET: -MDC=1;

Portal received 16 bytes of packet: Type=ack_macbind_info(49), ErrCode=1, IP=10.x.x.4

(回包的 ErrCode=1 为首次认证, ErrCode=0为再次认证)

*Jun 16 15:24:17:325 2023 H3C PORTAL/7/ERROR: -MDC=1; MAC-trigger: Failed to find MAC item for ACK-MAC-BIND IP: 10.x.x.4

10.74.984838	10.1	10.60	portal	PORTAL REQ_MACBIND (SerNo=22613)
10.74.989995	10.60	10.1	portal	PORTAL REQ_AUTH (SerNo=4305)
10.75.008709	10.1	10.60	portal	PORTAL ACK_AUTH (SerNo=4305)
10.75.008854	10.60	10.1	portal	PORTAL AFF_ACK_AUTH (SerNo=4305)
10.75.008990	10.60	10.1	portal	PORTAL ACK_MACBIND (SerNo=22613)

设备给服务器发req_macbind, 服务器侧却先给设备发req_auth, 导致设备去服务器认证, 认证失败。此后设备会删除该无感知表项, 下次流量过来会再次触发无感知, 所以会导致一直循环走无感知, 弹不了页面。

解决方法

正常的无感知流程是：

设备给服务器发req_macbind, 无感知服务器和portal服务器在一起，服务器侧是知道这个用户在不在的，应该直接回复回应ack_macbind，查不到错误码为1，查到了为0，并给设备发req_auth走正常认证需要排查服务器侧情况，可替换服务器文件测试

