

# 对接imc微信无感知认证异常掉线问题定位经验案例

wlan接入 Portal AAA 陈铮 2016-03-14 发表

微信认证上线流程正常，但是上线后10s左右下线。

1. 在AC和IMC上抓包可知，微信上线不久即下线问题是设备发送了下线结束报文，下线原因是nas error。

```
1405 ... 192.168.254.155 192.168.254.153 ICMP 144 Destination unreachable (Port unreachable)
1487 ... 192.168.254.153 192.168.254.155 RADIUS 405 Accounting-Request(4) (id=219, l=363)
1488 ... 192.168.254.155 192.168.254.153 RADIUS 74 Accounting-Response(5) (id=219, l=32)

AVP: 1=6 t=NAS-Port-Type(61): Wireless-802.11(19)
AVP: 1=19 t=Calling-Station-Id(31): 18-F6-43-2F-EF-2C
AVP: 1=31 t=Called-Station-Id(30): 38-91-05-9B-F1-80:WX-YFAP-H3C
AVP: 1=6 t=Acct-Status-Type(40): Stop(2)
AVP: 1=6 t=Acct-Authentic(45): RADIUS(1)
AVP: 1=25 t=Acct-Session-Id(44): 116020321064005033d3101
AVP: 1=6 t=Framed-IP-Address(8): 192.168.233.54
AVP: 1=6 t=NAS-IP-Address(4): 192.168.254.153
AVP: 1=6 t=Event-Timestamp(55): Feb 4, 2016 05:06:50.000000000
AVP: 1=6 t=Acct-Session-Time(46): 10
AVP: 1=6 t=Acct-Delay-Time(41): 0
AVP: 1=6 t=Acct-Input-Octets(42): 0
AVP: 1=6 t=Acct-Input-Packets(47): 0
AVP: 1=6 t=Acct-Output-Octets(43): 0
AVP: 1=6 t=Acct-Output-Packets(48): 0
AVP: 1=6 t=Acct-Input-Gigawords(52): 0
AVP: 1=6 t=Acct-Output-Gigawords(53): 0
AVP: 1=6 t=Acct-Terminate-Cause(49): NAS-Error(9)
AVP: 1=120 t=Vendor-Specific(26) v=HUAWEI Technology Co.,Ltd(2011)
```

```
633 21:07:14.464332000 192.168.254.153 192.168.254.155 116 PORTAL Portal type unknown (0x13)
634 21:07:14.464336000 192.168.254.153 192.168.254.153 144 ICMP Destination unreachable (Port unreachable)
635 21:07:14.465178000 192.168.254.153 192.168.254.153 74 PORTAL Portal type RADIUS-ACK-AUTH
758 21:07:18.799803000 192.168.254.153 192.168.254.155 124 PORTAL Portal type NTF-LOGOUT
759 21:07:18.799877000 192.168.254.153 192.168.254.153 152 ICMP Destination unreachable (Port unreachable)
810 21:07:23.801276000 192.168.254.153 192.168.254.155 404 RADIUS Accounting-Request(4) (id=211, l=362)
811 21:07:23.807534000 192.168.254.153 192.168.254.153 74 RADIUS Accounting-Response(5) (id=211, l=32)
883 21:07:29.202340000 192.168.254.153 192.168.254.153 86 PORTAL Portal type REC-LOGOUT

Internet Protocol Version 4, Src: 192.168.254.153 (192.168.254.153), Dst: 192.168.254.155 (192.168.254.155)
User Datagram Protocol, Src Port: cisco-sccp (2000), Dst Port: http (80)
PORTAL Protocol
  VERSION: 2
  Type: NTF-LOGOUT (0x08)
  Psp/Chap: 0x01
  Reserve: 0
  Serial Number: 121
0020 fe 9b 07 d0 00 50 00 5a a3 b7 02 00 01 00 00 79 .....P.z...y
0030 00 00 c0 a8 e9 36 00 00 04 f9 58 83 e8 ab 65 .....6...X...e
0040 6c 8b 06 25 35 ee e3 a2 59 94 0a 06 c0 a8 fe 99 .....35...W.....
0050 0b 08 18 f6 43 2f ef 2c 05 1e 53 65 6e 64 20 4e ...C/...Send N
0060 54 46 5f 4c 4f 47 4f 55 54 20 77 68 65 6e 20 6f TF-LOGOUT T when o
PORTAL type REC-LOGOUT, 1 byte
Packets: 1543 Displayed: 89 Marked: 0 Load time: 0:00.093
```

imc侧发起匿名用户的强制下线请求后设备侧会向服务器发送type 8的报文，由于imc未回应type 14的报文，这个type 8的报文目的端口是80，portalserver的通信默认UDP端口是50100。

2. 反查AC配置可知配置错误，该port参数是portal端口号而非http端口：portal server h3c ip 192.168.254.155 port 80 key cipher \$c\$3\$K\$g2hpuZ7Tvo7O/LV+lc1ah6eDaWww== url http://192.168.254.155:80/weixin/wifi.jsp server-type imc

修改portal端口默认50100后，认证正常。

微信认证需要先保住portal正常