

知 某局点WX3520H 本地portal 结合第三方服务器认证失败

AAA Portal 刘文峰 2021-03-29 发表

组网及说明

无

问题描述

某局点采用wx3520h 做的本地portal认证结合第三方服务器，配置完成之后，页面能正常弹出来，但是输入用户名和密码之后，提示认证失败，查看当前配置发现并无明显异常。

关键配置：

```
wlan service-template 1
vlan 724
akm mode psk
preshared-key pass-phrase cipher $c$3$nC1gl5XOqqldTM22W6FkeJf4lPFv9Xbu9zgvQ==
cipher-suite ccmp
cipher-suite tkip
security-ie rsn
security-ie wpa
portal enable method direct
portal domain portal
portal apply web-server web
service-template enable
portal web-server web
url http://x.x.x.x:8080/portal
server-type cmcc
#
portal local-web-server http
default-logon-page defaultfile.zip
tcp-port 8080
radius scheme visitor
primary authentication x.x.x.x
primary accounting x.x.x.x
key authentication cipher $c$3$Y4kKQMGuYuNcVhENqTFDGfuRxIFy0zpUHwww
key accounting cipher $c$3$Y6g5oG+9elcd6C9hdwuU0+CIS40YIBaDBn4S
user-name-format without-domain
nas-ip x.x.x.x
#
domain portal
authorization-attribute idle-cut 60 1024
authentication portal radius-scheme visitor
authorization portal radius-scheme visitor
accounting portal none
```

过程分析

查看当前配置并无明显异常，建议现场收集debug portal 和debug radius 信息反馈

关键debug信息：

Mar 23 14:34:32:413 2021 WX3520H RADIUS/7/PACKET:

```
User-Name="xxx"  
User-Password="*****"  
Service-Type=Framed-User  
Framed-Protocol=255  
NAS-Identifier="WX3520H"  
NAS-Port=16777940  
NAS-Port-Type=Wireless-802.11  
NAS-Port-  
Calling-Station-  
Called-Station-  
Acct-Session-
```

H3c-Nas-Startup-Timestamp=1616161447

*Mar 23 14:34:32:414 2021 WX3520H RADIUS/7/EVENT:

Sent request packet successfully.

*Mar 23 14:34:32:414 2021 WX3520H RADIUS/7/PACKET:

```
01 1f 01 34 4c 9d 48 7b 64 ea 9d b5 77 3b 5a 4f //code 1认证请求报文  
ca df db 59 01 0f 77 69 72 65 6c 65 73 73 5f 74  
65 73 74 02 12 d1 07 cc b3 b5 82 c3 d9 c2 a1 e2  
6a 02 01 86 3c 06 06 00 00 02 07 06 00 00 00  
ff 20 09 57 58 33 35 32 30 48 05 06 01 00 02 d4  
3d 06 00 00 00 13 57 12 30 31 30 30 30 30 30 30  
30 30 30 30 37 32 34 1f 13 42 32 2d 38 42 2d  
33 30 2d 36 31 2d 41 30 2d 37 46 1e 24 39 30 2d  
32 33 2d 42 34 2d 39 30 2d 38 34 2d 30 30 3a 55  
4e 49 53 4f 43 5f 76 69 73 69 74 6f 72 2d 31 2c  
28 30 30 30 30 30 30 37 32 30 32 31 30 33 32  
33 31 34 33 34 33 32 30 30 30 30 30 31 63 30  
38 31 30 30 33 36 30 1a 0c 00 00 63 a2 85 06 00  
00 02 d4 08 06 0a 1d e0 16 1a 26 00 00 63 a2 3c  
20 31 30 2e 32 39 2e 32 32 34 2e 32 32 20 62 32
```

*Mar 23 14:34:32:415 2021 WX3520H RADIUS/7/PACKET:

```
3a 38 62 3a 33 30 3a 36 31 3a 61 30 3a 37 66 1a  
10 00 00 63 a2 d0 0a 01 79 03 06 0f 72 77 fc 04  
06 0a 1d e0 05 1a 13 00 00 63 a2 ff 0d 48 33 43  
20 57 58 33 35 32 30 48 1a 0c 00 00 63 a2 3b 06  
60 54 aa a7
```

*Mar 23 14:34:32:415 2021 WX3520H RADIUS/7/EVENT:

Sent request packet and create request context successfully.

*Mar 23 14:34:32:415 2021 WX3520H RADIUS/7/EVENT:

Added request context to global table successfully.

*Mar 23 14:34:32:415 2021 WX3520H RADIUS/7/EVENT:

Processing AAA request data.

*Mar 23 14:34:32:419 2021 WX3520H RADIUS/7/EVENT:

Reply SocketFd received EPOLLIN event.

*Mar 23 14:34:32:419 2021 WX3520H RADIUS/7/EVENT:

Received reply packet successfully.

*Mar 23 14:34:32:419 2021 WX3520H RADIUS/7/EVENT:

Found request context, dstIP: x.x.x.x, dstPort: 1812, VPN instance: --(public), socketFd: 89, pktID: 31.

*Mar 23 14:34:32:419 2021 WX3520H RADIUS/7/EVENT:

The reply packet is valid.

*Mar 23 14:34:32:420 2021 WX3520H RADIUS/7/EVENT:

Decoded reply packet successfully.

*Mar 23 14:34:32:420 2021 WX3520H RADIUS/7/PACKET:

```
03 1f 00 14 d2 86 4b 28 25 e7 4f c6 cb 46 47 0e //code 3认证拒绝报文，正常应该回应code 2  
6d 8f 8c 0c
```

解决方法

通过分析debug信息发现最后是服务器回应了code 3 认证拒绝报文，怀疑是服务器的问题，建议联系服务器侧一起排查，最终调整服务器侧之后，问题解决。

