

知 WX3540H 802.1x采用GTC方式认证失败解决办法

802.1X

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组网及说明

无

问题描述

客户现场要针对无线用户进行准入认证，在无线AC上配置802.1X结合服务器进行认证，采用PEAP-GTC的认证方式。配置完毕后，终端在准入认证的时候认证不成功。

过程分析

1. 检查设备配置没有问题：

```
wlan service-template 1
ssid dx-test
vlan 100
akm mode dot1x
cipher-suite ccmp
security-ie rsn
client-security authentication-mode dot1x
nas-port-type 5
dot1x domain gtc
dot1x eap-termination eap-profile eap-src
service-template enable
#
radius scheme gtc
primary authentication 1.1.1.1 key cipher $c$3$x6
primary accounting 1.1.1.2 key cipher $c$3$
key authentication cipher $c$3$x0PDkSzRSIGLQ==
key accounting cipher $c$3$OtAXy
user-name-format without-domain
nas-ip 192.168.100.1
#
eap-profile eap-src
method peap-gtc
ssl-server-policy ssl-eap
#
domain gtc
authentication lan-access radius-scheme gtc
authorization lan-access radius-scheme gtc
accounting lan-access radius-scheme gtc
#
pki domain eap-gtc
public-key rsa general name eap-gtc
#
ssl server-policy ssl-eap
pki-domain eap-gtc
```

2.查看AC的配置是没有问题的，并且GTC的配置也都正确。在AC上开始debug收集调试信息发现如下报错：

```
*Mar 15 15:17:50:643 2019 H3C RADIUS/7/EVENT: EAP Server received an eap packet:
*Mar 15 15:17:50:644 2019 H3C RADIUS/7/PACKET:
02 01 00 12 01 31 30 32 37 32 32 30 30 34 37 39
30 38
*Mar 15 15:17:50:644 2019 H3C RADIUS/7/EVENT: EAP_Type: 1
*Mar 15 15:17:50:645 2019 H3C RADIUS/7/EVENT: EAP Server replied an eap packet:
*Mar 15 15:17:50:645 2019 H3C RADIUS/7/PACKET:
01 02 00 06 19 20
*Mar 15 15:17:50:698 2019 H3C RADIUS/7/EVENT: EAP_Type: 25
*Mar 15 15:17:50:698 2019 H3C RADIUS/7/EVENT: The TLS Info Description : EAP TLS: Recv Unknown TLS version [length 0005]
*Mar 15 15:17:50:698 2019 H3C RADIUS/7/EVENT: The TLS Info Description : EAP TLS: Recv TLS 1.0 Handshake [length 0092], ClientHello
*Mar 15 15:17:50:699 2019 H3C RADIUS/7/EVENT: The TLS Info Description : EAP TLS: Send Un
```

known TLS version [length 0005]

*Mar 15 15:17:50:699 2019 H3C RADIUS/7/EVENT: The TLS Info Description : EAP TLS: Send TLS 1.0 Alert [length 0002], fatal handshake_failure

*Mar 15 15:17:50:699 2019 H3C RADIUS/7/ERROR: EAP_TLS processing handshake message failed.

*Mar 15 15:17:50:699 2019 H3C RADIUS/7/EVENT: EAP Server replied an eap packet:

*Mar 15 15:17:50:699 2019 H3C RADIUS/7/PACKET:

05 02 00 04

3.从调试信息来看，是无线控制器上未导入证书导致的。

解决方法

在AC上导入证书后解决。

附件下载：WX3540H 802.1x采用GTC方式认证失败解决办法.rar