



某局点WX3540X 云简平台固定账号登录失败

绿洲平台

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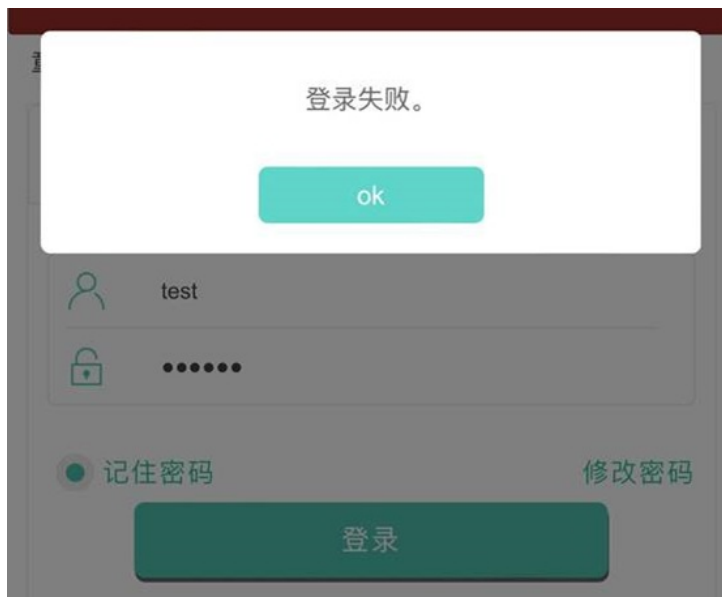
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组网及说明

AC+Fit AP 跨公网组网，AC已注册到云简平台，cmcc做的本地转发。AC版本ESS 1046P01。

问题描述

现场按照官网的云简平台认证手册实施开局，配置大部分都是云简平台下发的。做的固定账号认证，目前可以弹出认证界面但是无法认证成功，输入账号和密码后登录，提示登录失败。



过程分析

1、收集诊断后先查看了配置，与官网云简平台认证手册固定账号认证配置对比后，并没有发现有什么问题。

```
#
wlan service-template 5
description ceshi
ssid ceshi
vlan 255
client forwarding-location ap
portal enable method direct
portal domain cloud
portal apply web-server 5
portal temp-pass period 20 enable
service-template enable
#
domain name cloud
authorization-attribute idle-cut 30
authorization-attribute session-timeout 360
authentication portal none
authorization portal none
accounting portal none
#
portal host-check enable
portal client-gateway interface Vlan-interface1
portal free-rule 2346257224 destination open.weixin.qq.com
portal free-rule 2346257225 destination ip any tcp 5223
portal free-rule 2346257226 destination ip 114.114.114.114 255.255.255.255
portal free-rule 2346257227 destination ip any udp 53
portal free-rule 2346257228 destination ip any tcp 53
portal free-rule 2346257229 destination oasisauth.h3c.com
portal free-rule 2346257230 destination short.weixin.qq.com
portal free-rule 2346257231 destination mp.weixin.qq.com
portal free-rule 2346257232 destination long.weixin.qq.com
portal free-rule 2346257233 destination dns.weixin.qq.com
portal free-rule 2346257234 destination minorshort.weixin.qq.com
portal free-rule 2346257235 destination extshort.weixin.qq.com
portal free-rule 2346257236 destination szshort.weixin.qq.com
portal free-rule 2346257237 destination szlong.weixin.qq.com
portal free-rule 2346257238 destination szextshort.weixin.qq.com
portal free-rule 2346257239 destination isdspeed.qq.com
portal free-rule 2346257240 destination wx.qlogo.cn
portal free-rule 2346257241 destination long.open.weixin.qq.com
portal free-rule 2346257242 destination res.wx.qq.com
portal free-rule 2346257243 destination wifi.weixin.qq.com
portal safe-redirect enable
portal safe-redirect user-agent Android
portal safe-redirect user-agent CaptiveNetworkSupport
portal safe-redirect user-agent MicroMessenger
portal safe-redirect user-agent Mozilla
portal safe-redirect user-agent WeChat
portal safe-redirect user-agent micromessenger
#
portal web-server 5
url http://oasisauth.h3c.com/portal/protocol
server-type oauth
url-parameter template_id value 586627
if-match user-agent CaptiveNetworkSupport redirect-url http://oasisauth.h3c.com/generate_404
if-match user-agent Dalvik/2.1.0(Linux;U;Android7.0;HUAWEI redirect-url
http://oasisauth.h3c.com/generate_404
if-match original-url http://10.168.168.168 temp-pass
if-match original-url http://captive.apple.com user-agent Mozilla temp-pass redirect-url http://oasisaut
```

h.h3c.com/portal/protocol

if-match original-url http://o2o.gting.com/wifi/echo temp-pass redirect-url http://oasisauth.h3c.com/generate_404

在原有AC的配置基础上，增加ip http enable，手动指定域名对应的正确IP地址，重启AC后，问题解决。

```
#http://oasisauth.h3c.com/portal/protocol
```

```
#dns server 119.X.X.X
```

```
#portal oasisauth.h3c.com 101.36.161.146 //增加相关配置
```

```
#
```

```
portal local-web-server https
```

```
#
```

```
ip http enable
```

```
ip https port 8668
```

```
ip https enable
```

```
#
```

```
portal mac-trigger-server cloud
```

```
binding-retry 2 interval 3
```

```
cloud-binding enable
```

2、查看云简平台认证手册中，AP跨公网注册解决方案有两种，有“配置CMCC方案”与“修改HTTP服务端口方案”。默认情况下，设备侧提供HTTP服务的端口为80端口，终端进行云认证时需通过此端口与设备进行交互。若运营方的网络为AP跨公网注册至AC或路由器，AP本地转发终端数据流量，且运营方无法为AC或路由器设备申请对外提供服务的80端口时，需对AC或路由器设备以及网络中其它相关设备进行额外配置。

看配置中选择的是方案一。

```
#
```

```
portal server cloud
```

```
ip 101.36.161.146
```

```
server-type cmcc
```

```
server-register interval 60
```

让现场按照如下修改了方案，如下：

```
#
```

```
portal web-server cloud
```

```
url http://oasisauth.h3c.com/portal/protocol?
```

```
redirect_uri=http://182.XXX.XXX.XXX:8088/portal/cloudlogin.html
```

```
#
```

```
ip http port 8088
```

```
#
```

```
portal local-web-server http
```

```
tcp-port 8088
```

但测试后故障依旧

3、检查AC本地与云简网络互联的TCP连接信息，发现异常：

```
[3540X] display tcp verbose | b portal
```

```
.....
```

```
Creator: portald[5679]
```

```
State: ISCONNECTED
```

```
Options: SO_SEQPACKET
```

```
Error: 0
```

```
Receiving buffer(cc/hiwat/lowat/drop/state): 14105114 / 130560 / 1 / 0 / N / A
```

```
Sending buffer(cc/hiwat/lowat/state): 4273052596 / 131070 / 512 / N/A
```

```
Type: 1
```

```
Protocol: 6
```

```
Inpcb flags: INP_ANONPORT INP_SYNCPCB
```

```
Inpcb extflag: N/A
```

```
Inpcb vflag: INP_IPV4
```

```
TTL: 255(minimum TTL: 0)
```

```
Connection state: ESTABLISHED
```

```
TCP options: TF_NODELAY TF_REQ_SCALE TF_RCVD_SCALE TF_REQ_TSTMP TF_SACK_PERMIT
```

```
MIT
```

```
NSR state: CLOSED(M)
```

```
Send VRF: 0x0
```

```
Receive VRF: 0x0 Connection info: Src =101.202.6.3:16270, Dst = 101.36.161.143:443 //AC与错误的云简网络IP和端口建立了连接
```

通过上述查看，已找到故障的原因。AC与错误的云简网络IP和端口建立了连接。目前正确的云简网络IP地址端口应该为：101.36.161.146:80。

