# 某局点E528C-X交换机对接锐捷平台portal认证出现web界面认证失败

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## 组网及说明

E528C-X交换机对接锐捷的认证管理平台

## 问题描述

客户现场出现所有账号通过web做portal认证，输入用户名密码都显示认证失败


## 过程分析

抓包查看交互过程发现ACK_Auth的ErrCode = 1，表示设备告诉Portal Server此用户认证请求被拒绝

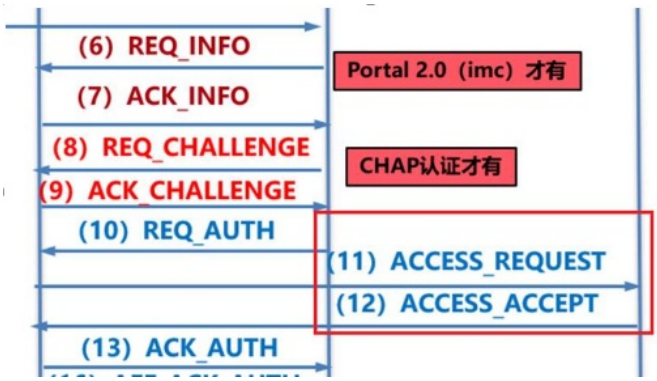
```
01 04 01 00 d8 7a 00 00 0a 77 c4 1e 00 00 01 00

*Jan  1 01:32:00:115 2013 eq_qipanjingtianyutianchengyoueryuan PORTAL/7/PACKET:
Portal received 37 bytes of packet: Type=req_auth(3), ErrCode=0, IP=      96.30
*Jan  1 01:32:00:116 2013 eq_qipanjingtianyutianchengyoueryuan PORTAL/7/PACKET:
[  1 USERNAME            ] [ 13] [15044745330]
[  2 PASSWORD            ] [  8] [******]

*Jan  1 01:32:00:116 2013 eq_qipanjingtianyutianchengyoueryuan PORTAL/7/PACKET:
01 03 01 00 ae 27 00 00 0a 77 c4 1e 00 00 00 02
01 0d 31 35 30 34 34 37 34 35 33 33 30 02 08 57
4e 30 39 36 35

*Jan  1 01:32:00:118 2013 eq_qipanjingtianyutianchengyoueryuan PORTAL/7/PACKET:
Portal sent 16 bytes of packet: Type=ack_auth(4), ErrCode=1, IP=      96.30
*Jan  1 01:32:00:119 2013 eq_qipanjingtianyutianchengyoueryuan PORTAL/7/PACKET:
01 04 01 00 ae 27 00 00 0a 77 c4 1e 00 00 01 00
```

可以发现中间的access相关报文缺失（这是作为radius服务器交互的报文）




查看配置发现端口调用的domain是portal

```
#
interface Vlan-interface10
 description link-to-teache
 ip address 10.    .1 255.255.255.0
 portal enable method direct
 portal domain portal
 portal bas-ip 10.
 portal apply web-server portal
#
```

Domain portal下面是调用的radius是portal

```
 user-name-format without-domain
#
domain portal
 authentication portal radius-scheme portal
 authorization portal radius-scheme portal
 accounting portal radius-scheme portal
#
```

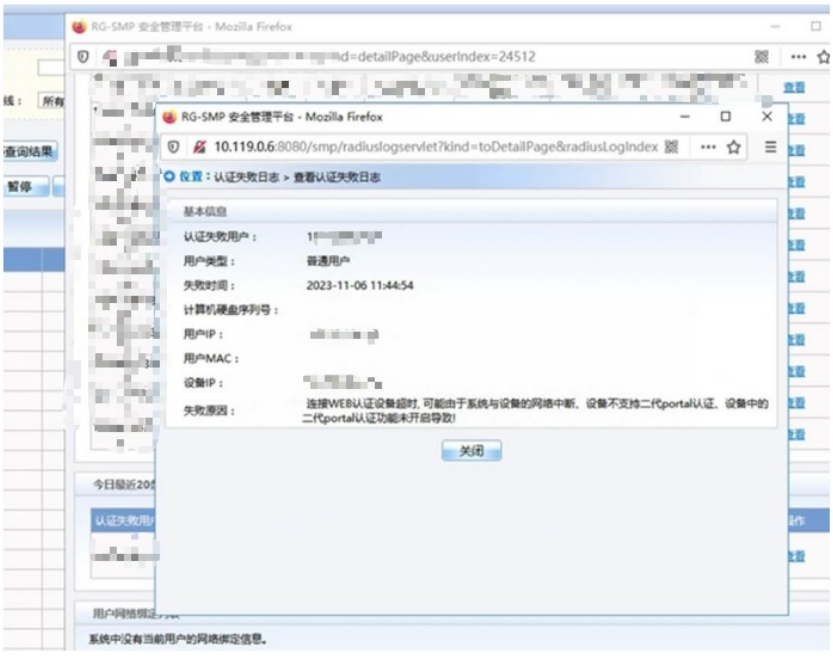
但是radius实例里只有poratal（应该是名字写错了）

```
 password-control length 6
#
radius scheme poratal
 primary authentication
 primary accounting 1
 key authentication cipher $c$3$zFpTk4u2yWsM/rE5OdpUbr5qIuCYlvAKXSsu
 key accounting cipher $c$3$6GAdpel3QZnFKC3wQVUK2PDbeCA4v7jNX3Q/
 nas-ip
#
```

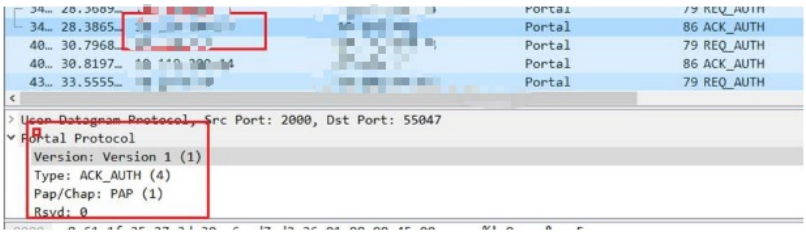
修改了名字后问题依旧没解决
重新debug portal all查看

```
: bb a7 c3 fb b2 bb b4 e6
: c2 eb b4 ed ce f3 21
%3 eq_qipanjingtianyutianchengyoueryuan RADIUS/7/EVENT: PAM_RADIUS: Processing RADIUS authentication.
%3 eq_qipanjingtianyutianchengyoueryuan RADIUS/7/EVENT: PAM_RADIUS: Fetched authentication reply-data successfully, resultCode: 1
%3 eq_qipanjingtianyutianchengyoueryuan PORTAL/7/EVENT: User-SM[ ]: Received authentication response, RespCode=26.
%3 eq_qipanjingtianyutianchengyoueryuan PORTAL/7/FSM: Auth-SM: Started
%3 eq_qipanjingtianyutianchengyoueryuan PORTAL/7/RULE:
rule match, [ MatchRes = [Rule3-
L2 Interface = , VLAN = 10, SrcMac
DstIP =
, VPN Instance = 0
%3 eq_qipanjingtianyutianchengyoueryuan
packet: Type=ack_auth(4), ErrCode=1, IP=
```

在锐捷平台上面查看发现告警显示portal服务版本不支持

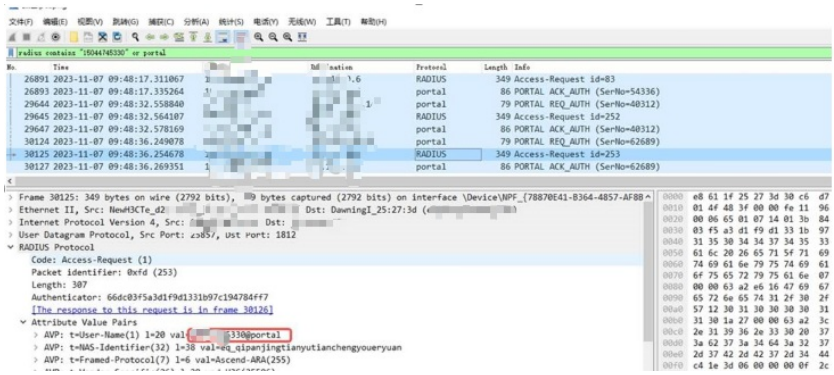



在锐捷平台侧抓包查看radius交互报文




可以发现交互是portal1.0

然后发现radius报文里val带的标签不对




**user-name-format without-domain//未配置发送用户认证会出现错误，自带后缀ISP号**

## 解决方法

我司设备portal对接锐捷平台时需要配置t=wireless-v2-plain这个参数用于标识二代web认证 需要加上这个参数

```
server-type cmcc
url-parameter flag value location
url-parameter t value wireless-v2-plain
url-parameter wlanuserip source-address
#
portal server portal
```

配置之后客户通过portal的web认证就能正常上线了