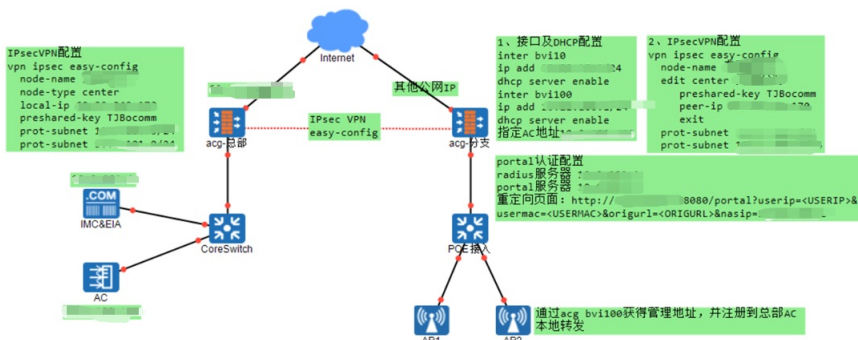


# 某局点过ipsec隧道, portal认证超时

Portal认证 叶红兵 2024-08-26 发表

## 组网及说明



## 问题描述

终端设备进行认证的时候, 提示portal认证超时

← iMC Portal



## 过程分析

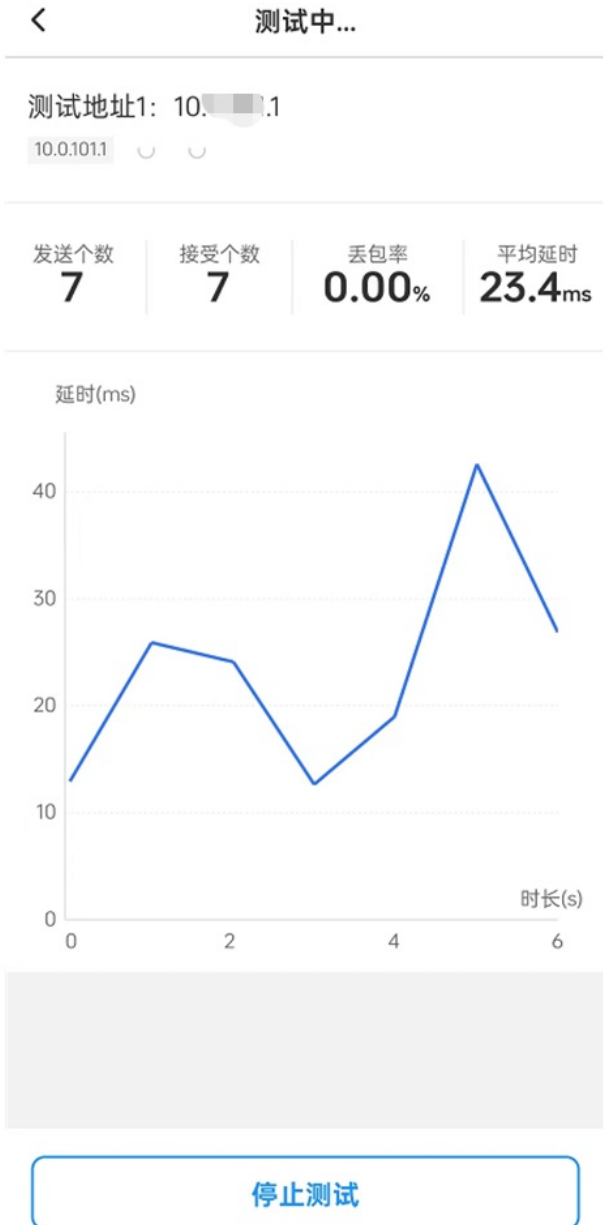
查看测试的用户可以看到在acg上是上线的, acg到服务器通信正常

```

# ping
PING 10.0.101.1 : 56(84) bytes of data.
  seq ttl time(ms)
  1   126 3.130
  2   126 2.964
  3   126 2.482
  4   126 6.473
--- 10.0.101.1 ping statistics ---
3 packets transmitted, 0 received, 100% packet loss, time 2004ms
PING 10.0.101.1 from 10.0.101.1 : 56(84) bytes of data.
  seq ttl time(ms)
  1   126 3.130
  2   126 2.964
  3   126 2.482
  4   126 6.473

```

认证终端到portal服务器通信也正常，无丢包



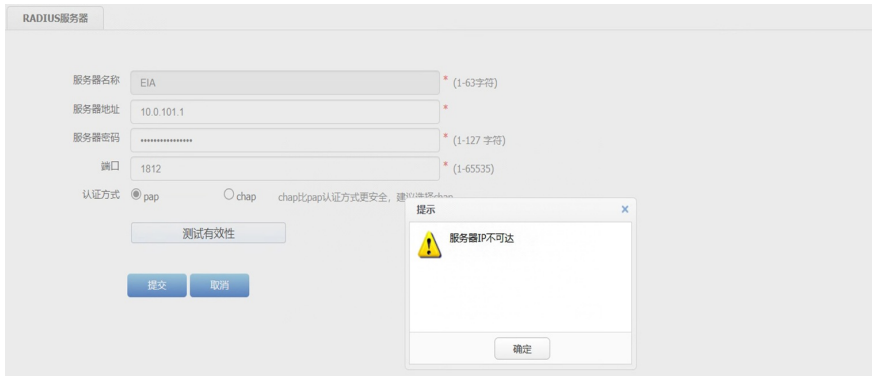
抓包查看，报文tcp dup ack

```

:50.311483 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [SYN, ACK] Seq=0 Ack=1 Win=0
:50.344160 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [ACK] Seq=1 Ack=518 Win=32768
:50.344187 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [TLSv1.2] 1514 64 Server Hello, Certificate
:50.344199 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [TLSv1.2] 390 64 Server Key Exchange, Server Hello Done
:50.367561 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [ACK] Seq=1773 Ack=644 Win=32768
:50.367581 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [TCP Dup ACK 58#1] 443 -> 48158 [ACK] Seq=1773 Ack=644 Win=32768
:50.367598 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [TLSv1.2] 292 64 New Session Ticket, Change Cipher Spec, Finished
:50.383173 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [ACK] Seq=1999 Ack=676 Win=32768
:50.383211 1 10.0.101.1 64 80 80 66 66 64 443 -> 48158 [FIN, ACK] Seq=1999 Ack=676 Win=0 Len=0
:52.539682 1 10.0.101.1 55 80 80 66 66 55 8080 -> 42698 [ACK] Seq=1 Ack=1 Win=330 Len=0
:52.539692 1 10.0.101.1 64 80 80 66 66 64 80 -> 38946 [ACK] Seq=0 Ack=1 Win=1460

```

Radius服务器测试有效性提示服务器ip不可达



### 解决方法

nat转换目的地址排除下imc地址，另外保证ACG访问imc服务器能通，配置命令  
 prefer-source destination 10.X.X.1 bvi100 //是访问某个目的ip 强制指定源ip  
 例如：:

1. 指定内网口发起探测，避免存在公网地址发包  
 prefer-source destination 10.0.3.100 bvi5
2. 访问外网的 snat 策略中 排除 IMC 地址。

