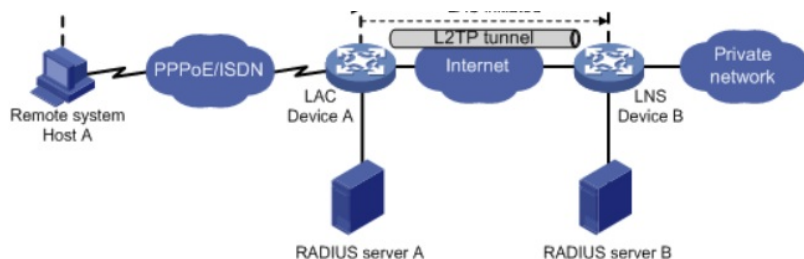


某局点M9008 VPDN拨号只有部分手机能拨号成功问题处理经验案例

L2TP VPN 刘文峰 2020-03-30 发表

组网及说明

组网：



问题描述

某局点采用M9008作为LNS，LAC是运营商设备，终端通过4G拨号拨到LAC触发隧道建立，当前配置完之后，发现只有几个手机能拨号成功，其他手机都拨不成功，跟运营商确认，手机上不需要特殊配置，检查配置也没有发现异常。

关键配置；

```
l2tp-group 1 mode lns
allow l2tp virtual-template 1 remote UGW9811
tunnel name LNS
tunnel password cipher $c$3$dbzzl1ofX/7q9wGweAXPdlmE4ydDzhHlhg==
#
l2tp enable
interface Virtual-Template1
ppp authentication-mode chap domain system
remote address pool aaa
ip address 172.16.0.1 255.255.0.0
```

过程分析

收集正常手机拨号debug信息和不正常手机拨号debug对比：
查看debug对比发现，不成功的手在lcp协商的时候失败了。

不正常的拨号：

```
*Mar 24 11:08:00:285 2020 H3C PPP/7/EXTERNAL_EVENT_1:
```

PPP External Event:

```
Virtual-Access1: PPP daemon receive interface up event!
```

```
*Mar 24 11:08:00:285 2020 H3C PPP/7/EXTERNAL_EVENT_1:
```

PPP External Event:

```
Virtual-Access1: PPP l2tp prenego begin!
```

```
*Mar 24 11:08:00:285 2020 H3C PPP/7/EXTERNAL_EVENT_1:
```

PPP External Event:

```
Virtual-Access1: LCP proxy negotiation for l2tp failed!
```

```
*Mar 24 11:08:00:285 2020 H3C PPP/7/FSM_EVENT_1:
```

PPP Event:

```
Virtual-Access1 LCP Close Event
```

```
State reqsent
```

正常的拨号:

*Mar 24 11:04:35:669 2020 H3C PPP/7/EXTERNAL_EVENT_0:

PPP External Event:

Virtual-Access0: PPP daemon receive interface up event!

*Mar 24 11:04:35:669 2020 H3C PPP/7/EXTERNAL_EVENT_0:

PPP External Event:

Virtual-Access0: PPP l2tp prenego begin!

*Mar 24 11:04:35:670 2020 H3C PPP/7/EXTERNAL_EVENT_0:

PPP External Event:

Virtual-Access0: PPP l2tp prenego chap begin!

*Mar 24 11:04:35:670 2020 H3C PPP/7/CHAP_EVENT_0:

PPP Event:

Virtual-Access0 CHAP Initial Event

State Initial

*Mar 24 11:04:35:670 2020 H3C PPP/7/EXTERNAL_EVENT_0:

PPP External Event:

Virtual-Access0: PPP l2tp prenego chap end!

解决方法

增加以下命令后, 修改为强制LCP认证之后, 问题解决

```
<Sysname> system-view
```

```
[Sysname] l2tp-group 1 mode lns
```

```
[Sysname-l2tp1] mandatory-lcp
```