

MSR810-LM采用3G SIM卡VPDN拨号后无法获取正确的ip地址的解决办法

3G/4G拨号 zhiliao_5ilsv 2019-10-30 发表

问题描述

客户需求: 在MSR810-LM采用3G SIM卡通过VPDN拨号, 接入电信4G运营商获取固定ip地址。

出现问题: 在MSR810-LM采用3G SIM卡通过VPDN拨号后获取地址不固定, 导致地址获取异常时无法接入网络。

客户案例:

在MSR810-LM采用3G SIM卡通过VPDN拨号后获取地址**10.122.13.2**后才能正常访问网络, 但是发现每次设备重新拨号后获取地址不固定, 获取到其它地址时无法访问网络

对比4G接口信息: 发现地址获取**正确**情况下Current Data Bearer Technology (当前载波制式) 为: **C DMA2000 HRPD**; 地址获取**不正确**情况下Current Data Bearer Technology (当前载波制式) 为: **CD MA2000 EHRPD**

解决方法

原因: 运营商服务器侧对拨号获取的地址有限制, 只有选择正确的载波制式, 获取正确ip地址才能访问网络。

[ls3g]dis cellular

Cellular1/0:

Modem State:

Hardware Information:

Model: U8300C

Manufacturer: LONGSUNG

Modem Firmware Version: QA30002.1.6_MV11(4534_1.2.3_L0801)

International Mobile Equipment Identity (IMEI): 869751026361756

International Mobile Subscriber Identity (IMSI): 460111125944828

Mobile Equipment Identifier (MEID): A100005B167B66

Hardware Version: 30000

Modem Status: Online

Modem Status: IPv4 Active.

Modem Status: IPv6 Unkown.

Profile Information:

Profile index: 1

PDP Type: IPv4v6

Header Compression: Off

Data Compression: Off

Access Point Name (APN): xzpost.vpdn.xz

Authentication: CHAP

Username: ls3g1@xzpost.vpdn.xz

* - Default profile

Network Information:

Current Service Status: Service Available

Registration Status: Registered

Current Service: Packet-switched

Current Roaming Status: Home

Current Data Bearer Technology: CDMA2000 EHRPD

Network Selection Mode: Automatic

Current IP address Mode: IPv4 Cellular-alloc

SID: 0x0

NID: 0x0

BID: 0x0

Radio Information:

Technology Preference: 1xEV-DO only

Technology Selected: 1xEV-DO

Configured LTE Band = 1,3,5,38,39,40,41

HDR (1xEVDO) related info:

Current RSSI: -41 dBm

Current ECIO: -4 dBm

Current IO: -37 dBm

Modem Security Information:

PIN Verification: Disabled
PIN Status: PIN Requirement Disabled
Number of PIN Retries Remaining: 3
Number of PUK Retries Remaining: 10
SIM Status: OK

ICCID: 89860317432039303197

Error Information:

IPv4 dialing failed: 0x00: No error in the request

IPv6 dialing failed: N/A

GPS Information:

GPS Info:

GPS State: Enabled

GPS Mode Configured: Standalone

Latitude: 0 Deg 0 Min 0 Sec North

Longitude: 0 Deg 0 Min 0 Sec East

Timestamp (UTC): 06/27/2018 04:12:04

Local time: 06/27/2018 04:12:04

Heading: 0.00, Velocity Horiz: 0.00, Velocity Vert: 0.00

Height (MSL): -18.00 m

Satellite Info:

解决方法:

关闭EHRPD方法

system

controller cellular 1/0

sendat ate0

sendat at+ehrpdenable=0

modem reboot