



MSR V7路由器和V5系列无法对接DVPN

ADVPN

VPDN

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2021-12-28 发表

组网及说明

v5设备做vam client, v7设备做vam server。spoke-hub组网。

问题描述

现场v5设备做vam client, 对端vam server为v7设备, 看display vam clinet fsm下clinet设备未注册成功, 如下:

```
[H3C]dis vam client fsm
```

```
Client name: XXXXXX
```

```
VPN name: abc
```

```
Interface: Tunnel1
```

```
Resend interval(seconds): 5
```

```
Client type: Unknown
```

```
Username: abc
```

```
Primary server: XXX.XXX.XXX.XXX
```

```
Current state: DUMB
```

```
Holding time: 0h 0m 20s
```

```
Encryption-algorithm: AES-128
```

```
Authentication-algorithm: SHA1
```

过程分析

debugging vam client all, 看到如下:

```
*Jan 1 00:35:41:086 2013 xxxx VAM/7/EVENT: VAM_Client:
  Deleted DUMB timer successfully.
*Jan 1 00:35:41:086 2013 xxxx VAM/7/EVENT: VAM_Client:
  Received client FSM event of type 12.
*Jan 1 00:35:41:086 2013 xxxx VAM/7/EVENT: VAM_Client:
  The state of client abc changed from DUMB to INIT.
*Jan 1 00:35:41:086 2013 xxxx VAM/7/EVENT: VAM_Client:
  Created state aging timer successfully.
*Jan 1 00:35:41:086 2013 xxxx VAM/7/PACKET: VAM_Client:
  Sent a packet (155 bytes) to IP XXX.XXX.XXX.XXX port 18000 VRF Index 0 successfully.
*Jan 1 00:35:41:086 2013 xxxx VAM/7/EVENT: VAM_Client:
  Created packet resend timer successfully.
*Jan 1 00:35:41:086 2013 xxxx VAM/7/EVENT: VAM_Client:
  Sent connect request successfully.
*Jan 1 00:35:41:372 2013 xxxx VAM/7/PACKET: VAM_Client:
  Received a packet (38 bytes) from IP XXX.XXX.XXX.XXX port 18000 (Local IP XXX.XXX.XXX.XXX
  ).
*Jan 1 00:35:41:372 2013 xxxx VAM/7/EVENT: VAM_Client:
  Received a packet of type 14.
*Jan 1 00:35:41:372 2013 xxxx VAM/7/ERROR: VAM_Client:
  The error code is 11
*Jan 1 00:35:41:372 2013 xxxx VAM/7/EVENT: VAM_Client:
  Received fail packet successfully.
*Jan 1 00:35:41:465 2013 xxxx VAM/7/EVENT: VAM_Client:
  Received client FSM event of type 8.
*Jan 1 00:35:41:565 2013 xxxx VAM/7/EVENT: VAM_Client:
  The state of client abc changed from INIT to DUMB.
```

解决方法

V5和V7可以对接，但是v5和v7 报文格式存在差异，V5使用的是ADVPN V0格式的报文，所以V7设备缺省是不兼容该类型报文的，需要在v7设备的tunnel口下配置：`var client abc Vompatible advpn0`

