

知 终端不能SSH到交换机

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组网及说明

现场一台S7606-NP直连一台PC电脑

告警信息

终端PC连接告警信息:

```
C: Users\admin>ssh admin@10.14.33.2
Received disconnect from 10.104.33.2 port 22:2: The connection is closed by SSH Server
Current FSM is SSH_Main_VersionMatch
Disconnected from 10.104.33.2 port 22
```

问题描述

现场一台S7606-NP，版本是Version 5.20 Release 6616P05，配置了SSH Server，现场一台终端电脑通过SSH登录到交换机，SSH失败。

过程分析

现网配置:

```
#
local-user admin
password simple *****
authorization-attribute level 3
service-type ssh telnet terminal
#
[7506-NP]user-interface vty 0 15
[7506-NP-ui-vty0-15]dis this
user-interface aux 1/0
user-interface aux 2/0
user-interface vty 0 4
user privilege level 3
set authentication password simple *****
protocol inbound telnet
user-interface vty 5 15
authentication-mode scheme
protocol inbound ssh
#
```

怀疑是本地没有生成RSA密钥，在交换机上输入以下命令：public-key local create rsa
输入命令之后等一会，然后敲回车，发现创建不上，终端也不能登录。

```
[ZH7500]public-key local create rsa
The range of public key size is (512 ~ 2048).
NOTES: If the key modulus is greater than 512,
It will take a few minutes.
Press CTRL+C to abort.
Input the bits of the modulus[default = 1024]:512
Generating Keys...
+++++
++++
+++++
+++++
[ZH7500]dis publ
[ZH7500]dis public-key lo
[ZH7500]dis public-key local ?
  dsa Key type DSA
  rsa Key type RSA
[ZH7500]dis public-key local rsa ^
% Incomplete command found at '^' position.
[ZH7500]dis public-key local rsa pu
[ZH7500]dis public-key local rsa public
[ZH7500]
```

解决方法

查看设备诊断：发现设备flash空间满了

```
=====dir=====
```

```
Directory of flash:/
```

```
0 -rw- 27512385 Sep 30 2013 02:08:55 s7500e-cmw520-r6616p05.app
1 drw- - Sep 30 2013 02:35:40 seclog
2 -rw- 35864 Nov 16 2023 15:45:46 startup.cfg
3 -rw- 151 Oct 17 2023 20:16:09 system.xml
4 -rw- 20005888 Feb 08 2023 02:43:28
h3csplusprobeqazws_11_2023_02_08_02_31_35.diag
5 -rw- 17496064 Nov 08 2023 02:51:34
h3csplusprobeqazws_11_2023_11_08_02_31_29.diag
64389 KB total (0 KB free)
```

把无用的诊断删除，腾出flash空间就能正常生成本地RSA密钥，终端SSH连接正常了。