

知 某局点S5850-54QS SSH结合IMC无法正常登入经验案例

SSH AAA 刘文峰 2020-08-28 发表

组网及说明

无

问题描述

某局点使用了我司S5850-54QS作为汇聚交换机，出于安全性考虑只开启了SSH登入，并且是结合IMC做的认证，配置完成之后，发现终端无法SSH设备，但是如果使用本地用户认证是可以登入成功的，所以SSH的配置应该没问题，怀疑是IMC侧问题导致。

过程分析

通过本地用户登入正常，结合IMC登入不正常，怀疑是AAA或者IMC侧问题导致，让客户在SSH登入的时候，收集debug信息反馈。

关键debug信息：

```
*Aug 14 09:55:02:837 2020 ShaoXingZH-S5850-IRF RADIUS/7/PACKET:
04 ac 00 b6 0e de 1e 79 b9 59 e7 89 ce d5 b0 4f
12 6b a2 e3 01 0e 68 75 61 77 65 69 40 74 6a 62
68 62 20 16 53 68 61 6f 58 69 6e 67 5a 48 2d 53
35 38 35 30 2d 49 52 46 08 06 14 65 9e 87 1f 10
32 30 2e 31 30 31 2e 31 35 38 2e 31 33 35 3d 06
00 00 00 05 2c 28 30 30 30 30 30 30 31 32 30
32 30 30 38 31 34 30 31 35 35 30 32 30 30 30 30
30 30 30 31 30 38 31 32 34 30 34 31 04 06 0a f0
00 01 28 06 00 00 01 29 06 00 00 00 00 37 06
5f 35 ee f6 1a 16 00 00 63 a2 ff 10 48 33 43 20
53 35 38 35 30 2d 35 34 51 53 1a 0c 00 00 63 a2
3b 06 4d 1e 6e 87
*Aug 14 09:55:02:837 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Sent request packet and create request context successfully.
*Aug 14 09:55:02:837 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Added request context to global table successfully.
*Aug 14 09:55:02:838 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Processing AAA request data.
*Aug 14 09:55:06:822 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Response timed out.
*Aug 14 09:55:06:822 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Found request context, dstIP: x.x.x.x; dstPort: 1813; VPN instance: --(public); socketfd: 50; pktID:172.
*Aug 14 09:55:06:822 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Retransmitting request packet, currentTries: 2, maxTries: 2.
*Aug 14 09:55:09:822 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Response timed out.
*Aug 14 09:55:09:827 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Found request context, dstIP: ; dstPort: 1813; VPN instance: --(public); socketfd: 50; pktID:172.
*Aug 14 09:55:09:828 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Reached the maximum retries.
*Aug 14 09:55:09:828 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Set status of server to block successfully. serverIP: serverPort: 1813.
*Aug 14 09:55:09:828 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Got next server failed.
*Aug 14 09:55:09:828 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Received status of server changing event.
*Aug 14 09:55:09:828 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Sent reply error message to PAM.
*Aug 14 09:55:09:829 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: PAM_RADIUS: Fetched accounting-start reply-data successfully, resultCode: 3
*Aug 14 09:55:09:829 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: PAM_RADIUS: Received accounting-start reply message, resultCode: 3
*Aug 14 09:55:09:829 2020 ShaoXingZH-S5850-IRF RADIUS/7/EVENT: Sent reply message successfully.
%Aug 14 09:55:09:834 2020 ShaoXingZH-S5850-IRF LOGIN/5/LOGIN_FAILED: failed to log in from
```

通过debug信息发现认证是成功的，但是计费失败了，怀疑是计费有问题，查看设备配置，发现没有配置radius计费密钥，最终导致计费失败。

radius scheme bhbank

primary authentication x.x.x.x

primary accounting x.x.x.x

key authentication cipher \$c\$3\$dXe14iaA0YIRLjC1Fwb5xC7Uj/GRjmGRJD/q0jI=

nas-ip interface Vlan-interface10

解决方法

设备上再加上radius 计费密钥的配置之后，问题解决。

key accounting simple xxx