

# 知 防火墙context SSH连接失败 (报错: Allocate pty failed.)

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## 组网及说明

不涉及

## 告警信息

不涉及

## 问题描述

防火墙新建context, SSH无法连接。

## 过程分析

正常流程为debug查看无法登陆原因, 如下:

```
*Dec 13 14:08:20:578 2023 vfw001.cn-dazhou-1 SSHS/7/EVENT: -Context=2; Received SSH2_MSG_CHANNEL_REQUEST: channel 0, request pty-req, reply 1
*Dec 13 14:08:20:578 2023 vfw001.cn-dazhou-1 SSHS/7/EVENT: -Context=2; Channel request: user wocloud-scdz, service type 1 request-pty-req
*Dec 13 14:08:21:084 2023 vfw001.cn-dazhou-1 SSHS/7/EVENT: -Context=2; Open pty: pseudo-terminal-master(-1), pseudo-terminal-sub(-1)
*Dec 13 14:08:21:084 2023 vfw001.cn-dazhou-1 SSHS/7/ERROR: -Context=2; Allocate pty failed.
*Dec 13 14:08:21:084 2023 vfw001.cn-dazhou-1 SSHS/6/SSH_DISCONNECT: -Context=2; SSH user wocloud-scdz (IP: 192.168.244.1) disconnected from the server.
*Dec 13 14:08:21:084 2023 vfw001.cn-dazhou-1 SSHS/7/EVENT: -Context=2; PAM: cleanup
*Dec 13 14:08:21:085 2023 vfw001.cn-dazhou-1 SSHS/7/EVENT: -Context=2; Close pty: pseudo-terminal-master(-1), pseudo-terminal-sub(-1)
*Dec 13 14:08:21:085 2023 vfw001.cn-dazhou-1 SSHS/7/EVENT: -Context=2; Compress outgoing: raw data 49 bytes, compressed 51 bytes, factor 1.04
*Dec 13 14:08:21:085 2023 vfw001.cn-dazhou-1 SSHS/7/EVENT: -Context=2; Compress incoming: raw data 220 bytes, compressed 342 bytes, factor 1.55
```

从debug来看, 似乎没啥效果。

对比下配置吧, 能登录的和不能登录的进行对比。

能正常ssh登录的设备:

```
Scheduler toggle size 10
#
line class console
 user-role network-admin
#
line class vty
 user-role network-operator
#
line con 0 3
 authentication-mode scheme
 user-role network-admin
#
line vty 0 63
 authentication-mode scheme
 user-role network-admin
 protocol inbound ssh
#
line vty 64 1023
 user-role network-operator
#
```

context配置:

```
Scheduler toggle size 10
#
line class vty
 user-role context-operator
#
line vty 0 1023
 user-role context-operator
#
```

对比显而易见, 新建context缺少用户登录 设备认证方式

## 解决方法

添加配置authentication-mode { none | password | **scheme** }