

FirePOWER设备在尝试将其引导到单用户模式后会冻结

目录

[简介](#)

[症状](#)

[解决方案](#)

简介

使用单用户模式启动FirePOWER设备后，可能会显示其已冻结。本文档介绍如何对此进行故障排除。

症状

- 在引导到单用户模式后，系统在显示Fuse init (API版本7.14) 的消息后会冻结。

(Previous messages are truncated)

```
kjournald starting. Commit interval 5 seconds
EXT3-fs (sda5): mounted filesystem with writeback data mode
VFS: Mounted root (ext3 filesystem) readonly on device 8:5.
Freeing unused kernel memory: 488k freed
Adding 1044220k swap on /dev/sda2. Priority:-1 extents:1
across:1044220k SS
EXT3-fs (sda5): using internal journal
EXT2-fs (sda1): warning: mounting ext3 filesystem as ext2
EXT2-fs (sda7): warning: mounting ext3 filesystem as ext2
fuse init (API version 7.14)
```

(no more output)

例如，以下是遇到此问题的设备的输出：

```
COM1 - PuTTY
802.1Q VLAN Support v1.8 Ben Greear <greearb@candelatech.com>
All bugs added by David S. Miller <davem@redhat.com>
SCTP: Hash tables configured (established 65536 bind 65536)
EXT3-fs: barriers not enabled
kjournald starting. Commit interval 5 seconds
EXT3-fs (sda5): mounted filesystem with writeback data mode
VFS: Mounted root (ext3 filesystem) readonly on device 8:5.
Freeing unused kernel memory: 456k freed
usb 2-5: new high speed USB device using ehci_hcd and address 2
scsi5 : usb-storage 2-5:1.0
usb 5-1: new full speed USB device using uhci_hcd and address 2
Adding 1044220k swap on /dev/sda2. Priority:-1 extents:1 across:1044220k
input: American Megatrends Inc. Virtual Keyboard and Mouse as /devices/pci0000:00/0000:00:1a.2/usb5/5-1/5-1:1.0/input/input2
generic-usb 0003:046B:FF10.0001: input: USB HID v1.10 Keyboard [American Megatrends Inc. Virtual Keyboard and Mouse] on usb-0000:00:1a.2-1/input0
input: American Megatrends Inc. Virtual Keyboard and Mouse as /devices/pci0000:00/0000:00:1a.2/usb5/5-1/5-1:1.1/input/input3
generic-usb 0003:046B:FF10.0002: input: USB HID v1.10 Mouse [American Megatrends Inc. Virtual Keyboard and Mouse] on usb-0000:00:1a.2-1/input1
scsi 5:0:0:0: Direct-Access          USB DISK MODULE  FMAP PQ: 0 ANSI: 0 CCS
sd 5:0:0:0: [sdb] 4024320 512-byte logical blocks: (2.06 GB/1.91 GiB)
sd 5:0:0:0: [sdb] Write Protect is off
sd 5:0:0:0: [sdb] Assuming drive cache: write through
sd 5:0:0:0: [sdb] Assuming drive cache: write through
   sdb: sdb1
sd 5:0:0:0: [sdb] Assuming drive cache: write through
sd 5:0:0:0: [sdb] Attached SCSI removable disk
EXT3-fs (sda5): using internal journal
EXT2-fs (sda1): warning: mounting ext3 filesystem as ext2
EXT2-fs (sda7): warning: mounting ext3 filesystem as ext2
fuse init (API version 7.14)
```

- 启动期间，FirePOWER设备会检测USB驱动程序。如果驱动程序加载成功，您会注意到类似以下的消息：

```
USB Serial support registered for FTDI USB Serial Device
ftdi_sio 4-1:1.0: FTDI USB Serial Device converter detected
usb 4-1: Detected FT232RLusb 4-1: Number of endpoints 2
usb 4-1: Endpoint 1 MaxPacketSize 64
usb 4-1: Endpoint 2 MaxPacketSize 64
usb 4-1: Setting MaxPacketSize 64
usb 4-1: FTDI USB Serial Device converter now attached to ttyUSB0
```

如果驱动程序无法加载，系统将挂起并显示以下错误消息：

```
kernel: usb 5-1: device descriptor read/8, error -110
kernel: usb 5-1: new full speed USB device using uhci_hcd and address 5
kernel: fuse init (API version 7.14)
```

解决方案

要解决此问题，请执行以下步骤：

步骤 1：确保键盘是否与FirePOWER系统正确连接。

步骤 2：使用控制台（键盘+VGA）连接到设备。

步骤 3：登录设备并进入专家模式：

> **expert**

步骤 4：运行以下脚本，将控制台设置为VGA端口。

```
admin@FirePOWER:~$ sudo /usr/local/sf/bin/set_console.sh -c tty0
```

步骤 5：在提示符下输入**yes**:

```
Are you sure you want to proceed?
```

```
Yes/No (yes/no): yes
```

步骤 6：运行上述命令后，重新启动FirePOWER设备，使更改生效。

```
admin@FirePOWER:~$ sudo reboot
```

步骤 7：如果set_console.sh脚本（在步骤4中）无法解决此问题，请重新启动设备，然后从引导提示符引导到单用户模式。例如，在运行5.2版的设备上，在引导提示符下运行以下命令：

```
3D-5.2.0 console=tty0 single
```

步骤 8::如果上述步骤均未解决此问题，则下一个选项是重新映像。