



uis主机启动后进入紧急模式

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组网及说明

6.5版本都涉及

问题描述

异常断电后，启动服务器后无法进入uis系统，会进入到紧急模式，现象如下：

```
[ 3494.888782] FAT-fs (sda1): IO charset iso8859-1 not found
Welcome to emergency mode! After logging in, type "journalctl -xb" to view
system logs, "systemctl reboot" to reboot, "systemctl default" or ^D to
try again to boot into default mode.
Give root password for maintenance
(or type Control-D to continue):
```

过程分析

- 1、输入root密码进入到shell命令行。
- 2、查看/etc/fstab文件，看是否有未挂载的分区

```
[root@CORNDEB2 ~]#  
[root@CORNDEB2 ~]# cat /etc/fstab  
#  
# /etc/fstab  
# Created by anaconda on Wed Aug 25 18:47:21 2021  
#  
# Accessible filesystems, by reference, are maintained under '/dev/disk'  
# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info  
#  
UUID=d35bbe57-89c8-48a5-b17f-6df4364d85d4 / ext4 defaults 1 1  
UUID-F389-39DC /boot/efi efat defaults,uid=0,gid=0,umask=0077,shortname=winnt 0 0  
UUID=7e191999-e5b2-4f28-808d-df298192c326 /var/log ext4 defaults 1 2  
UUID=3bf11989-4a48-4a55-af1c-d18485aab78a swap swap defaults 0 0  
# /vms was on /dev/sda6 after CDM Master/Slave Configuration  
UUID=86c9e22c-ffd8-4b2c-b328-5368fa5635cf /vms ext4 defaults 0 2
```

- 3、发现boot分区没有挂载

解决方法

- 1、尝试修复boot分区，若boot分区为/dev/sda1，则执行fsck.vfat -y /dev/sda1

```
[root@Node-2 ~]# fsck.vfat -y /dev/sdb1
fsck.fat 3.0.20 (12 Jun 2013)
0x25: Dirty bit is set. Fs was not properly unmounted and some data may be corrupt.
Automatically removing dirty bit.
Performing changes.
/dev/sdb1: 17 files, 2491/51145 clusters
```

- 2、再去mount boot分区，发现仍然报错，报错缺少字符集iso8859-1

```
[root@Node-2 ~]# mount /dev/sda1 /boot/efi
[ 329.716452] FAT-fs (sda1): IO charset iso8859-1 not found
mount: wrong fs type, bad option, bad superblock on /dev/sda1,
missing codepage or helper program, or other error

In some cases useful info is found in syslog - try
dmesg | tail or so.
```

- 3、按报错的提示，执行 insmod /usr/lib/modules/4.14.131-generic/kernel/fs/nls/nls_iso8859-1.ko
- 4、挂载boot分区，mount /dev/sda1 /boot/efi，此处无报错，再进行下一步
- 5、执行systemctl default，看下是否可以进入到系统，如果可以，则重启后应该就能正常启动了

