

知 CAS 启动无法进入系统解决方法

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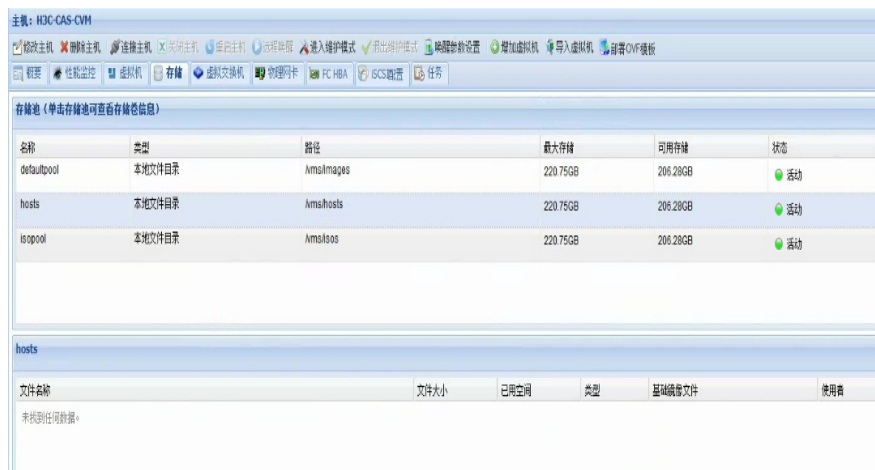
CAS主机发生重启，提示挂载目录失败，

An error occurred while mounting /vms/host.

Press S to skip mounting or M for manual recovery

首先，我们可以按S跳过挂载该目录，使CAS系统正常启动起来。待CAS启动起来后，再分析具体原因。

如上提示，现场环境为服务器有2个raid1，2个300G硬盘用于装了CAS系统，2个500G硬盘挂载在了/vms/host目录下，供虚拟机使用。等待CAS启动完成后，再次进入CAS系统，发现前台host目录不是500G的空间了，而是和isospool、defaultpool空间一致，并且存放在hosts目录下的虚拟机文件都没有了，如图：



Cas后台查看磁盘挂载如下：

```
root@cvm:~# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda1        28G  4.0G   22G  16% /
udev            16G   12K   16G   1% /dev
tmpfs           6.3G  372K   6.3G   1% /run
none            5.0M   0 5.0M   0% /run/lock
none            16G   12K   16G   1% /run/shm
cgroup          16G    0   16G   0% /sys/fs/cgroup
/dev/sda5        19G  1.5G   16G   9% /var/log
/dev/sda7       221G  33G  177G  16% /vms
/dev/sda6       221G  33G  177G  16% /vms/host
```

Sda6挂载到了/vms/host目录下了，而sda6为swap分区：

```
root@cvm:~# fdisk -l
Disk /dev/sda: 300.0 GB, 299966445568 bytes
255 heads, 63 sectors/track, 36468 cylinders, total 585871964 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 262144 bytes / 262144 bytes
Disk identifier: 0x00051c5a

Device Boot      Start         End      Blocks   Id  System
/dev/sda1  *           512     58593791     29296640    83  Linux
/dev/sda2           58594302    585871359     263638529    5  Extended
Partition 2 does not start on physical sector boundary.
/dev/sda5           58594304     97656319     19531008    83  Linux
/dev/sda6           97656832    115263487     8803328    82  Linux swap / Solaris
/dev/sda7          115264000    585871359     235303680    83  Linux
```

最后查看fstab文件：

```
root@cvm:~# more /etc/fstab
```

```
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
#
proc        /proc          proc    nodev,noexec,nosuid 0      0
# / was on /dev/sda1 during installation
UUID=1a66bc40-75c6-48b6-9d95-158b0598a722 /          ext4    errors=remount-ro 0      1
# /var/log was on /dev/sda5 during installation
UUID=272cc474-8961-4874-b14c-e7a629dad0a7 /var/log   ext4    defaults          0      2
# /vms was on /dev/sda7 during installation
UUID=17cbcd60-a039-4b91-a0c8-76633a94a69c /vms       ext4    defaults          0      2
# swap was on /dev/sda6 during installation
UUID= 50909a9e-3ba6-440e-b815-29774d00f2ea /vms/host  ext4    defaults          0      0
```

查看sda6的uuid:

```
root@cvm:~# blkid /dev/sda6
/dev/sda6: UUID="50909a9e-3ba6-440e-b815-29774d00f2ea" TYPE="swap"
```

通过上面可以判断为: 挂载sdb分区修改fstab的时候直接修改了交换分区的信息, 但是cas启动的时候是需要交换分区的, 系统进行了重置。导致了该问题。

- 1、在CAS前台界面将该主机的host存储池暂停;
- 2、查询记录sdb的uuid信息:

```
root@cvm:~# blkid /dev/sdb
/dev/sdb: UUID="75ab245f-eb96-44d3-96dd-abc4907f3155" TYPE="ext4"
```

- 3、修改fstab文件, 将swap分区修改正确, 并且增加新的挂载点:

```
root@cvm:~# vim /etc/fstab
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
#
proc        /proc          proc    nodev,noexec,nosuid 0      0
# / was on /dev/sda1 during installation
UUID=1a66bc40-75c6-48b6-9d95-158b0598a722 /          ext4    errors=remount-ro 0      1
# /var/log was on /dev/sda5 during installation
UUID=272cc474-8961-4874-b14c-e7a629dad0a7 /var/log   ext4    defaults          0      2
# /vms was on /dev/sda7 during installation
UUID=17cbcd60-a039-4b91-a0c8-76633a94a69c /vms       ext4    defaults          0      2
# swap was on /dev/sda6 during installation
UUID=50909a9e-3ba6-440e-b815-29774d00f2ea none       swap    sw                0      0
UUID=75ab245f-eb96-44d3-96dd-abc4907f3155 /vms/host  ext4    defaults          0      0
```

- 4、将sda6 umount: umount /vms/host; 然后重启mount: mount -a
- 5、在CAS前台界面将该主机的host存储池启用, 检查各个虚拟机运行状态是否正常。

修改CAS后台文件严格按照指导书操作, 严禁私自修改系统各个文件。