



CAS E0535H05共享文件系统启动提示格式化

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组网及说明

CAS E0535H05

问题描述

CAS E0535H05共享文件系统不活动，点击启动时提示需要对该存储进行格式化



过程分析

查看后台fdisk -l 存储可以正常识别到

```
dos: Device Start End Sectors Cylinders Size Type Id Attrs Boot End-C/H/S Start-C/H/S
bsd: Slice Start End Sectors Cylinders Size Type Bsize Cpg Fsize
sgl: Device Start End Sectors Cylinders Size Type Id Attrs
sun: Device Start End Sectors Cylinders Size Type Id Flags

For more details see fdisk(8).
root@cs-cvk-37:~#
root@cs-cvk-37:~# fdisk -l
Disk /dev/sda: 558.9 GiB, 600093712384 bytes, 1172058032 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
Disklabel type: gpt
Disk identifier: BF544EBA-0F41-401B-9B67-299791445103

Device        Start      End      Sectors  Size Type
/dev/sda1      512        195583    195072   95.3M EFI System
/dev/sda2     195584    156445695 156250112 74.5G Microsoft basic data
/dev/sda3     156445696 195508223  39062528  18.6G Microsoft basic data
/dev/sda4     195508224 255508479  60000256  28.6G Linux swap
/dev/sda5     255508480 1172057599 916549120 437G Microsoft basic data

Disk /dev/sdb: 10 TiB, 10995116277760 bytes, 21474836480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/mapper/36000000000000000e000000510ba4a3: 10 TiB, 10995116277760 bytes, 21474836480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
root@cs-cvk-37:~#
root@cs-cvk-37:~#
root@cs-cvk-37:~# df -h
df: '/vms/jifangguanli': Operation not permitted
Filesystem      Size  Used Avail Use% Mounted on
```

fsck.ocfs2 -fn /dev/sdb 检查共享存储状态, 提示正常

```
Tools  Games  Settings  Macros  Help
Scissors  New  Split  MultiTab  Tunneling  Packages  Settings  Help

3.root@cs-cvm-1:~#log@omali 5.root@cs-onesort:~ 2.root@cs-cvk-37:~#log x
none 32G 0 32G 8% /run/shm
cgroup 32G 0 32G 0% /sys/fs/cgroup
/dev/sda3 19G 1.9G 16G 11% /var/log
/dev/sda5 431G 139G 270G 35% /vms
/dev/sda1 95M 124K 95M 1% /boot/efi
root@cs-cvk-37:~#
root@cs-cvk-37:~# fsck.ocfs2 -fn /dev/sdb
fsck.ocfs2 1.8.4

WARNING!!! Running fsck.ocfs2 (read-only) on a mounted filesystem may detect invalid errors.
Do you really want to continue (y/N): y
Checking OCFS2 filesystem in /dev/sdb:
Label: 020161116012039
UUID: 5A4F09F6295B45C894A22892028817B8
Number of blocks: 2684354560
Block size: 4096
Number of clusters: 10485760
Cluster size: 1048576
Sector size: 512
Number of slots: 32

** Skipping journal replay because -n was given. There may be spurious errors that journal replay would fix. **
** Skipping slot recovery because -n was given. **
/dev/sdb was run with -n, check forced.
Pass 0a: Checking cluster allocation chains
Pass 0b: Checking inode allocation chains
Pass 0c: Skip checking lock allocation chains
Pass 0d: Checking extent block allocation chains
Pass 1: Checking inodes, blocks and disk locks
[INODE_SPARSE_SIZE] Inode 9114882 has a size of 44476661760 but has 11057152 blocks of actual data. Correct the file size? n
[INODE_SPARSE_CLUSTERS] Inode 9114882 has 42417 clusters but its blocks fit in 43192 clusters. Correct the number of clusters? n
Pass 2: Checking directory entries
[IDX_TREE_MISSING] Directory 514 is missing index. Rebuild? n
Pass 3: Checking directory connectivity
Pass 4a: Checking for orphaned inodes
Pass 4b: Checking inodes link counts
All passes succeeded.

root@cs-cvk-37:~# vi /var/log/syslog
root@cs-cvk-37:~#
root@cs-cvk-37:~#
root@cs-cvk-37:~#
root@cs-cvk-37:~# timed out waiting for input: auto-logout
```

hexdump -C /dev/sdb | more 查看共享存储头文件是否存在踩坏, 无头文件异常情况

```
root@172.24.100.32:~# password:
X11 forwarding request failed on channel 0
root@cs-cvk-37:~# login: Mon Jan 10 22:49:39 2022 from 222.196.240.4
root@cs-cvk-37:~#
root@cs-cvk-37:~# cd /var/log
root@cs-cvk-37:~# cd /var/log#

jifangguanli /dev/sdb | more
cs-cvk-37 74 68 69 73 20 69 73 20 |.....this is |
211test 20 76 6f 6c 75 6d 65 00 |an ocfs2 volume.|
dog-报警服务器-霍利维尔 02 02 02 02 02 02 02 02 |.....|
RFID-MQ 74 68 69 73 20 69 73 20 |.....this is |
RFID-web 20 76 6f 6c 75 6d 65 00 |an ocfs2 volume.|
智能电源服务器 02 02 02 02 02 02 02 02 |.....|
智能链路管理系统 61 6e 20 6f 63 66 73 32 |this is an ocfs2|
manager 02 02 02 02 02 02 02 02 |volume.....|
000020605 4f 43 46 53 56 32 00 00 95 86 d5 b3 ff ff ff ff |OCFSV2.....|
00002010 00 00 00 00 00 00 a0 00 00 00 00 00 00 00 00 |.....1...|
root@cs-cvk-37:~# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda2        74G   6.3G   64G  10% /
udev            32G   12K   32G   1% /dev
tmpfs           13G   352K   13G   1% /run
none            5.0M    0   5.0M    0% /run/lock
none            32G    0   32G    0% /run/shm
cgroup          32G    0   32G    0% /sys/fs/cgroup
/dev/sda3        19G   2.0G   16G  12% /var/log
/dev/sda5       431G  139G  270G  35% /vms
/dev/sda1        95M  124K   95M   1% /boot/efi
/dev/dm-0       10T  318G   9.7T   4% /vms/jifangguanli

root@cs-cvk-37:~#
Id      Name                State
-----
27      VM_211test          running
28      hlwe-system         running
29      RFID-MQ             running
30      RFID-web            running
31      CENTOS              running
32      znbx-system         running

root@cs-cvk-37:~#
```

日志有如下共享存储心跳检测打印

```
root@cs-cvk-37:~# tailf /var/log/syslog
Jan 11 09:47:29 cs-cvk-37 ovs-vsctl: [46204542.712830] device vnet4 left promiscuous mode
Jan 11 09:47:32 cs-cvk-37 ntpd[3835]: Deleting interface #63 vnet4, fe80::fcda:41ff:fe1d:2793%34#123, interface stats: received=0, sent=0, dropped=0, active time=466084 secs
Jan 11 09:47:33 cs-cvk-37 ovs-vsctl: [46204546.388794] device vnet5 left promiscuous mode
Jan 11 09:47:35 cs-cvk-37 ntpd[3835]: Deleting interface #65 vnet5, fe80::fcda:41ff:fe1d:82fb%35#123, interface stats: received=0, sent=0, dropped=0, active time=466086 secs
Jan 11 09:47:37 cs-cvk-37 ovs-vsctl: [46204559.248361] (o2hb-5A4F09F629,31386,7):o2hb_do_disk_heartbeat:1630 Give up trying to write and read heartbeat region
Jan 11 09:48:18 cs-cvk-37 kernel: [46204589.487988] (o2hb-5A4F09F629,31386,7):o2hb_do_disk_heartbeat:1630 Give up trying to write and read heartbeat region
Jan 11 09:48:48 cs-cvk-37 kernel: [46204619.727682] (o2hb-5A4F09F629,31386,7):o2hb_do_disk_heartbeat:1630 Give up trying to write and read heartbeat region
Jan 11 09:49:18 cs-cvk-37 kernel: [46204649.967385] (o2hb-5A4F09F629,31386,7):o2hb_do_disk_heartbeat:1630 Give up trying to write and read heartbeat region
```

