Oracle ASM□□□□

2024.04.20 16:18:57

FAQ□□□□

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http://www.jb51.net/article/43527.htm
2□□udev□□□□□□□□□□udev□6□□□7□□□udev□□□□□□□□□□□□□□

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1□□□□□/etc/udev/rules.d/60-raw.rules□□□□□□□□□□□□□□□□□/dev/sdb1
2□□□□□□/etc/udev/rules.d/99-oracle-asmdevice.rules□□□□□□□□□□□□□□□□□□□□□□□□□

```
[root@rac2 rules.d]# cd /dev/mapper/
[root@rac2 mapper]# ll
total 0
lrwxrwxrwx 1 root root       7 Oct 22 03:49 centos-home -> ../dm-6
lrwxrwxrwx 1 root root       7 Oct 22 03:49 centos-root -> ../dm-1
lrwxrwxrwx 1 root root       7 Oct 22 03:49 centos-swap -> ../dm-0
crw------- 1 root root 10, 236 Oct 22 03:49 control
lrwxrwxrwx 1 root root       7 Oct 22 03:49 mpatha -> ../dm-2
lrwxrwxrwx 1 root root       7 Oct 22 03:49 mpathb -> ../dm-3
lrwxrwxrwx 1 root root       7 Oct 22 03:49 mpathc -> ../dm-4
lrwxrwxrwx 1 root root       7 Oct 22 03:49 mpathd -> ../dm-5
[root@rac2 mapper]# cd ../
[root@rac2 dev]# ll dm*
brw-rw---- 1 root disk 253, 0 Oct 22 03:49 dm-0
brw-rw---- 1 root disk 253, 1 Oct 22 03:49 dm-1
brw-rw---- 1 root disk 253, 2 Oct 22 03:49 dm-2
brw-rw---- 1 root disk 253, 3 Oct 22 03:49 dm-3
brw-rw---- 1 root disk 253, 4 Oct 22 03:49 dm-4
brw-rw---- 1 root disk 253, 5 Oct 22 03:49 dm-5
brw-rw---- 1 root disk 253, 6 Oct 22 03:49 dm-6

[root@rac2 rules.d]# cat 99-oracle-asmdevice.rules
ACTION=="add",KERNEL=="dm-2",RUN+="/bin/raw /dev/raw/raw1 %N"
ACTION=="add",ENV{MAJOR}=="8",ENV{MINOR}=="17",RUN+="/bin/raw /dev/raw/raw1 %M
%m"
ACTION=="add",KERNEL=="dm-3",RUN+="/bin/raw /dev/raw/raw2 %N"
ACTION=="add",ENV{MAJOR}=="8",ENV{MINOR}=="33",RUN+="/bin/raw /dev/raw/raw2 %M
%m"
ACTION=="add",KERNEL=="dm-4",RUN+="/bin/raw /dev/raw/raw3 %N"
ACTION=="add",ENV{MAJOR}=="8",ENV{MINOR}=="49",RUN+="/bin/raw /dev/raw/raw3 %M
%m"
ACTION=="add",KERNEL=="dm-5",RUN+="/bin/raw /dev/raw/raw4 %N"
ACTION=="add",ENV{MAJOR}=="8",ENV{MINOR}=="65",RUN+="/bin/raw /dev/raw/raw4 %M
%m"
KERNEL=="raw[1-4]",OWNER="grid",GROUP="dba",MODE="660"
```

□□udev

```
[root@rac2 rules.d]# systemctl restart systemd-udev-trigger.service
```

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```
[root@rac2 rules.d]# ll /dev/raw/
total 0
crw-rw---- 1 grid dba  162, 1 Oct 22 03:49 raw1
crw-rw---- 1 grid dba  162, 2 Oct 22 03:49 raw2
crw-rw---- 1 grid dba  162, 3 Oct 22 03:49 raw3
crw-rw---- 1 grid dba  162, 4 Oct 22 03:49 raw4
crw-rw---- 1 root disk 162, 0 Oct 22 03:49 rawctl
[root@rac2 rules.d]#
```

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```
for i in dm-2 dm-3 dm-4 dm-5 fra; do
printf "%s %s\n" "$i" "$(udevadm info --query=all --name=/dev/mapper/$i |grep
-i dm_uuid)"; done
```

□□□□udev

```
systemctl restart systemd-udev-trigger.service
```

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centos7udev□□
systemctl restart systemd-udev-trigger.service□□□□UDEV□□□□□□□□

systemd-udev-settle.service
loaded active exited udev Wait for Complete Device Initialization
systemd-udev-trigger.service loaded active exited   udev Coldplug all Devices

systemd-udevd.service loaded active running udev Kernel Device Manager
systemd-udevd-control.socket loaded active running udev Control Socket
systemd-udevd-kernel.socket loaded active running udev Kernel Socket

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multipath -ll | grep mpath
mpathe (360022a11000cb6b10a9116d000000002) dm-1 HUAWEI ,S5500T
#□□□□□□□□□□
suse11a:~ # multipath -ll
#□□□□□□□□□□□□□□□□□
ll /dev/disk/by-id/
ls -l /dev/dm-*
ll /dev/mapper/
#/dev/dm-*□□□□□□□□□□□□□□□□□□□□□□□□□□□□□os □□□□□
#/dev/mapper/□□□□□□□□□□□□□□□□□□□□□□□□mulitpatch.conf□□□□□□□