

Redhat iSCSI 问题解决 DMM

2024.04.17 20:48:20

FAQ

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□□□□iscsi□
□□□□Device Mapper Multipath□
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□□□□□iscsi□

```
□□□□□iscsi-initiator-utils,
/etc/iscsi/initiatorname.iscsi□□□□□□□□iqn□□□
>rpm -vh iscsi-initiator-utils-6.2.0.871-0.10.SEL5_3.i386.rpm
>cat /etc/iscsi/initiatorname.iscsi
```

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□□□S16E-G1130□□□□,□8□1TB
SATA□□□8□□□RAID5,□□□□2TB□□□□□4□□□□□4□□□□□4□□□□□IP□□□□□

IP/GateWay RedHat□□□ S16E-G1130□□□□

□□1 192.168.1.2/192.168.1.1 192.168.1.3/192.168.1.1

□□2 192.168.2.2/192.168.2.1 192.168.2.3/192.168.2.1

□□3 192.168.3.2/192.168.3.1 192.168.3.3/192.168.3.1

□□4 192.168.4.2/192.168.4.1 192.168.4.3/192.168.4.1

□□□NETMASK□□□255.255.255.0□

□□□iscsi□

1□ □□□□□□□□□□□□□□□□
>service iscsi start

2□ □□□□□[target]iqn□□□□□□
>iscsiadm -m discovery -t st -p IP
IP:□□□□□□□□□□□□□□□□

3□ □□□□□[target]
>iscsiadm -m node -T IQN -p IP - I
IQN:□□□□□□□□□□□□□□□□
IP:□□□□□□□□□□□□□□□□

4□ □□□
>fdisk -l
□□□□□□□□□□□□□□□□

5□ □□□□□□□□□□□□□□□□
>iscsiadm -m node
□□□□□□□□

6□ □□□
>service iscsi start
>iscsiadm -m discovery -t st -p 192.168.1.3
>iscsiadm -m node -T IQN -p 192.168.1.3 - I # IQN□□□□□□□□
>iscsiadm -m discovery -t st -p 192.168.2.3
>iscsiadm -m node -T IQN -p 192.168.2.3 - I # IQN□□□□□□□□
>iscsiadm -m discovery -t st -p 192.168.3.3
>iscsiadm -m node -T IQN -p 192.168.3.3 - I # IQN□□□□□□□□
>iscsiadm -m discovery -t st -p 192.168.4.3
>iscsiadm -m node -T IQN -p 192.168.4.3 - I # IQN□□□□□□□□
>iscsiadm -m node
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□□□□Device Mapper Multipath□

#□□device-mapper.1.02.28.tgz

```
>tar zxvf device-mapper.1.02.28.tgz;cd device-mapper.1.02.28
>./configure;make;make install

#tar zxvf multipath-tools-0.4.6.1.tar.bz2
>tar jxvf multipath-tools-0.4.6.1.tar.bz2;cd multipath-tools-0.4.6.1
>make;make install

#=====
> modprobe dm_multipath

    virtual disk4 virtual disk4
    multipath

=====
1) /etc/multipath.conf
multipath.conf
=====
defaults {
user_friendly_names yes
udev_dir /dev
path_grouping_policy multibus
fallback immediate
no_path_retry fail
}
=====

2) =====
>service multipathd restart
/dev/mapper/udev
/dev/mapper/mpathn,
/dev/mpath/mpathn,
/dev/dm-n.

=====
3) 0 multipath -ll
>multipath -ll

4) 0 pvcreate /dev/mapper/mpath1
>pvccreate /dev/mapper/mpath1

5) 0 fdisk /dev/mapper/mpath1
>fdisk /dev/mapper/mpath1
=====
>parted /dev/mapper/mpath1
/dev/mapper/mpath1
/dev/mapper/mpath1p1
<parted>
/dev/mapper/mpath1p1 1 /media/mpath1
=====
>multipath -F
=====
>multipath -v3
=====
>fdisk -l
dm-1

6) 0 mount /media/mpath1p1
>mkdir /media/mpath1p1;mount /dev/mapper/mpath1p1 /media/mpath1p1

7) 0 multipathd
>chkconfig multipathd on

8) 0
    iscsi
    >iscsiadm -m node -o delete -T IQN -p IP
    >tail /var/log/messages
    >multipath -ll

9) 0
    /dev/mapper/mpath1p1 /dev/mapper/mpath1p1
    #/dev/mapper/mpath1p1
    >dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k
    #/dev/mapper/mpath1p1
    >iostat 1
    14

=====
    iostat
    sysstat
    >tar zxvf sysstat-9.0.5.tar.gz;cd sysstat-9.0.5
    >./configure;make;make install

10) 0
    14

11) 0
    dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k count=2048000
    268435456000 bytes (268 GB) copied, 1712.14 seconds, 157 MB/s

    dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k count=204800
    26843545600 bytes (27 GB) copied, 166.543 seconds, 161 MB/s

    dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k count=20480
    2684354560 bytes (2.7 GB) copied, 11.2825 seconds, 238 MB/s

    dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k count=2048
    268435456 bytes (268 MB) copied, 0.443421 seconds, 605 MB/s
```

```
dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k count=4096
536870912 bytes (537 MB) copied, 0.759899 seconds, 707 MB/s

dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k count=40960
5368709120 bytes (5.4 GB) copied, 28.393 seconds, 189 MB/s

dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k count=409600
53687091200 bytes (54 GB) copied, 334.216 seconds, 161 MB/s

dd if=/dev/zero of=/dev/mapper/mpath1 bs=128k count=3072000
375809638400 bytes (376 GB) copied, 2375.54 seconds, 158 MB/s

[...]
    4|100MB/s|512MB|155MB/s
~190MB/s|2|3|
```