

Q & A

NFS ????????

“ Umount a NFS directory with the error: device is busy

???????????? NFS ?????? amount ???

```
# [redacted]
fuser -m -v <mount_point or device_path>
lsuf | grep <mount_point or device_path>
lsuf +f -- <path-to-dir>

# [redacted]
fuser -i -k <mount_point or device_path>
fuser -km <mount_point or device_path>
umount <mount_point>

# [redacted] NFS Client daemon [redacted] NFS [redacted]
service netfs stop
service netfs start

# [redacted]
umount -l <mount_point>
umount -f <mount_point>
```

???? NFS ???? , nfs ??

```
cat /proc/mounts | grep nfs
```

???? NFS ??

```
## mount: wrong fs type, bad option, bad superblock on
10.22.33.19:/DBS_LNXDBBAK,
```

missing codepage or helper program, or other error
(for several filesystems (e.g. nfs, cifs) you might
need a /sbin/mount.<type> helper program)

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

```
# For RedHat 7.x
# Check if nfs-utils was installed
rpm -qa | grep nfs-utils

yum install nfs-utils
```

Remove Shared Memory (ipcs)

```
# see all shared memory segments
# status: dest -> destroyed
# nattach: how many application being attached to the shared memory.
ipcs -m
ipcs -m -i <shmid>

# remove the shared memory segment
ipcrm shm <shmid>
ipcrm -m <shmid>
```

CentOS Upgrade Kernel: linux-firmware package files conflicts

?????? CentOS 7.6 Kernel to CentOS 7.7??? linux-firmware ???????

```
rpm -ivh kernel-3.10.0-1062.el7.x86_64.rpm

warning: kernel-3.10.0-1062.el7.x86_64.rpm: Header V3 RSA/SHA256 Signature, key ID fd431d51: NOKEY
error: Failed dependencies:
    linux-firmware >= 20190429-72 is needed by kernel-3.10.0-1062.el7.x86_64

rpm -ivh linux-firmware-20190429-72.gitddde598.el7.noarch.rpm kernel-3.10.0-1062.el7.x86_64.rpm
```

```
warning: linux-firmware-20190429-72.gitddde598.el7.noarch.rpm: Header V3 RSA/SHA256 Signature, key ID
f4a80eb5: NOKEY
warning: kernel-3.10.0-1062.el7.x86_64.rpm: Header V3 RSA/SHA256 Signature, key ID fd431d51: NOKEY
Preparing... ##### [100%]
    file /usr/lib/firmware/amd-ucode/microcode_amd_fam17h.bin from install of linux-firmware-20190429-
72.gitddde598.el7.noarch conflicts with file from package linux-firmware-20180911-69.git85c5d90.el7.noarch
    file /usr/lib/firmware/amd-ucode/microcode_amd_fam17h.bin.asc from install of linux-firmware-20190429-
72.gitddde598.el7.noarch conflicts with file from package linux-firmware-20180911-69.git85c5d90.el7.noarch

# Solution:
rpm -Uvh linux-firmware-20190429-72.gitddde598.el7.noarch.rpm
rpm -ivh kernel-3.10.0-1062.el7.x86_64.rpm
```

Adjust reserved 5% of disk space by default

Reduce it to 2%

```
sudo tune2fs -m2 /dev/sda1
```

?? du ? df ??????????????

???????????? df ????????? du ??????

??? du ?????????????????????????????????du ???????

?????

1. ??? `ls -l /path/to/dir` ??????????????
2. ????????? `du` ????