

```
root@ubuntu:/home/hero# apt-cache search nfs|grep ^nfs|more
nfs-common - NFS support files common to client and server
nfs-kernel-server - support for NFS kernel server
nfsboot - Allow clients to boot over the network
nfsbooted - Prepares your image for nfs boot
root@ubuntu:/home/hero#
```

```
root@ubuntu:/home/hero# apt-get install nfs-kernel-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  libevent1 libgssglue1 libnfsidmap2 librpcsecgss3 nfs-common portmap
The following NEW packages will be installed:
  libevent1 libgssglue1 libnfsidmap2 librpcsecgss3 nfs-common
  nfs-kernel-server portmap
0 upgraded, 7 newly installed, 0 to remove and 0 not upgraded.
Need to get 514kB of archives.
After this operation, 1597kB of additional disk space will be used.
Do you want to continue [Y/n]?
Get:1 http://kebo.vlsm.org jaunty/main libevent1 1.3e-3 [44.7kB]
Get:2 http://kebo.vlsm.org jaunty/main libgssglue1 0.1-2 [22.3kB]
Get:3 http://kebo.vlsm.org jaunty/main libnfsidmap2 0.21-2 [28.4kB]
Get:4 http://kebo.vlsm.org jaunty/main librpcsecgss3 0.18-1 [32.4kB]
Get:5 http://kebo.vlsm.org jaunty/main portmap 6.0-9ubuntul [36.6kB]
Get:6 http://kebo.vlsm.org jaunty/main nfs-common 1:1.1.4-1ubuntul [198kB]
Get:7 http://kebo.vlsm.org jaunty/main nfs-kernel-server 1:1.1.4-1ubuntul [152kB]
]
Fetched 514kB in 0s (1703kB/s)
```

```
root@ubuntu:/home/hero
 * Starting portmap daemon... [ OK ]
Setting up nfs-common (1:1.1.4-1ubuntu1) ...
Creating config file /etc/idmapd.conf with new version
Creating config file /etc/default/nfs-common with new version
Adding system user `statd' (UID 118) ...
Adding new user `statd' (UID 118) with group `nogroup' ...
Not creating home directory `/var/lib/nfs'.
 * Starting NFS common utilities [ OK ]

Setting up nfs-kernel-server (1:1.1.4-1ubuntu1) ...
Creating config file /etc/exports with new version
Creating config file /etc/default/nfs-kernel-server with new version
 * Starting NFS common utilities [ OK ]
 * Exporting directories for NFS kernel daemon... [ OK ]
 * Starting NFS kernel daemon [ OK ]

Processing triggers for libc6 ...
ldconfig deferred processing now taking place
root@ubuntu:/home/hero#
```

```
root@ubuntu:/export/users
root@ubuntu:/# ls
bin    dev    home    lost+found    opt    sbin    srv    usr
boot   etc    initrd.img   media    proc    selinux  sys    var
cdrom  hasil  lib     mnt     root    soalua   tmp    vmlinuz
root@ubuntu:/# mkdir export
root@ubuntu:/# cd export/
root@ubuntu:/export# mkdir -p users
root@ubuntu:/export# ls
users
root@ubuntu:/export# ls -la
total 12
drwxr-xr-x  3 root root 4096 2011-05-01 07:36 .
drwxr-xr-x 24 root root 4096 2011-05-01 07:36 ..
drwxr-xr-x  2 root root 4096 2011-05-01 07:36 users
root@ubuntu:/export# pwd
/export
root@ubuntu:/export# cd users/
root@ubuntu:/export/users# pwd
/export/users
root@ubuntu:/export/users#
```

```
root@ubuntu:/export/users
```

```
# /etc/exports: the access control list for filesystems which may be exported  
#           to NFS clients.  See exports(5).  
#  
# Example for NFSv2 and NFSv3:  
# /srv/homes      hostname1(rw,sync,no_subtree_check) hostname2(ro,sync,no_subtree_check)  
#  
# Example for NFSv4:  
# /srv/nfs4      gss/krb5i(rw,sync,fsid=0,crossmnt,no_subtree_check)  
# /srv/nfs4/homes  gss/krb5i(rw,sync,no_subtree_check)  
  
/home    *(ro,sync,no_root_squash)  
/export/users  *(ro,sync,no_root_squash)  
  
~  
~  
~  
~  
~  
~  
~  
~  
~/etc/exports" 14L, 462C                                1,1          All
```

```
root@ubuntu:/export/users
```

```
root@ubuntu:/export/users# exportfs -ra  
exportfs: /etc/exports [3]: Neither 'subtree_check' or 'no_subtree_check' specified for export "*:/home".  
      Assuming default behaviour ('no_subtree_check').  
      NOTE: this default has changed since nfs-utils version 1.0.x  
  
exportfs: /etc/exports [4]: Neither 'subtree_check' or 'no_subtree_check' specified for export "*:/export/users".  
      Assuming default behaviour ('no_subtree_check').  
      NOTE: this default has changed since nfs-utils version 1.0.x  
  
root@ubuntu:/export/users# 
```

```
root@ubuntu:/export/users# df
Filesystem      1K-blocks      Used Available Use% Mounted on
/dev/sda1        7850996   3757884   3694300  51% /
tmpfs            254752       0    254752  0% /lib/init/rw
varrun            254752     408    254344  1% /var/run
varlock            254752       4    254748  1% /var/lock
udev              254752    140    254612  1% /dev
tmpfs            254752       76    254676  1% /dev/shm
lrm               254752   2392    252360  1% /lib/modules/2.6.28-11-g
eneric/volatile
/dev/sr0          4206970   4206970       0 100% /media/cdrom0
root@ubuntu:/export/users# mount localhost:/export/users /mnt/
root@ubuntu:/export/users# df
Filesystem      1K-blocks      Used Available Use% Mounted on
/dev/sda1        7850996   3757884   3694300  51% /
tmpfs            254752       0    254752  0% /lib/init/rw
varrun            254752     408    254344  1% /var/run
varlock            254752       4    254748  1% /var/lock
udev              254752    140    254612  1% /dev
tmpfs            254752       76    254676  1% /dev/shm
lrm               254752   2392    252360  1% /lib/modules/2.6.28-11-g
eneric/volatile
/dev/sr0          4206970   4206970       0 100% /media/cdrom0
localhost:/export/users
                         7851008   3757888   3694336  51% /mnt
root@ubuntu:/export/users#
```

```
hero@ubuntu:~$ df
Filesystem      1K-blocks      Used Available Use% Mounted on
/dev/sda1        7850996   3758120   3694064  51% /
tmpfs            254752       0    254752  0% /lib/init/rw
varrun            254752     388    254364  1% /var/run
varlock            254752       4    254748  1% /var/lock
udev              254752    140    254612  1% /dev
tmpfs            254752       76    254676  1% /dev/shm
lrm               254752   2392    252360  1% /lib/modules/2.6.28-11-g
eneric/volatile
/dev/sr0          4206970   4206970       0 100% /media/cdrom0
localhost:/export/users
                         7851008   3758080   3694080  51% /mnt
hero@ubuntu:~$ ls /export/users/
halo.txt
hero@ubuntu:~$ ls /mnt/
halo.txt
hero@ubuntu:~$
```

```
root@ubuntu:/# mount localhost:/export/users /sharing/sharing1
root@ubuntu:/# df
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/sda1        7850996   3758152   3694032  51% /
tmpfs            254752       0   254752  0% /lib/init/rw
varrun            254752     408   254344  1% /var/run
varlock            254752       4   254748  1% /var/lock
udev              254752     140   254612  1% /dev
tmpfs            254752      76   254676  1% /dev/shm
lrm                254752   2392   252360  1% /lib/modules/2.6.28-11-g
eneric/volatile
/dev/sr0          4206970   4206970       0 100% /media/cdrom0
localhost:/export/users
                  7851008   3758144   3694080  51% /sharing/sharing1
root@ubuntu:/# ls /sharing/sharing1
halo.txt
root@ubuntu:/#
```

```
root@ubuntu:/home/hero# cat /etc/fstab
# /etc/fstab: static file system information.
#
# Use 'vol_id --uuid' 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).
#
# <file system> <mount point> <type> <options> <dump> <pass>
proc /proc proc defaults 0 0
# / was on /dev/sdal during installation
UUID=e3632d9b-bacb-4537-ae54-5dcc2c555cde / ext3 relatime,errors=remount-ro 0 1
# swap was on /dev/sda5 during installation
UUID=c84a2b1a-3e0f-4b24-b357-d87871167cde none swap sw 0 0
/dev/scd0 /media/cdrom0 udf,iso9660 user,noauto,exec,utf8 0 0
/dev/fd0 /media/floppy0 auto rw,user,noauto,exec,utf8 0 0

#tambahan
#home/hero /export/users none bind 0 0
localhost:/export/users /sharing/sharing1 nfs rw 0 0

root@ubuntu:/home/hero#
```

```
root@ubuntu:/home/hero# ls /sharing/sharing1/
halo.txt
root@ubuntu:/home/hero# mount localhost:/export/users /sharing/sharing2/
root@ubuntu:/home/hero# df
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/sdal        7850996  3779620   3672564  51% /
tmpfs            254752      0   254752  0% /lib/init/rw
varrun            254752    408   254344  1% /var/run
varlock            254752      4   254748  1% /var/lock
udev              254752    140   254612  1% /dev
tmpfs             254752     76   254676  1% /dev/shm
lrm                254752   2392   252360  1% /lib/modules/2.6.28-11-generic/volatile
localhost:/export/users
                  7851008  3779584   3672576  51% /sharing/sharing1
/dev/sr0          4206970  4206970           0 100% /media/cdrom0
localhost:/export/users
                  7851008  3779584   3672576  51% /sharing/sharing2
root@ubuntu:/home/hero#
```

```
root@ubuntu:/home/hero
# swap was on /dev/sda5 during installation
UUID=c84a2b1a-3e0f-4b24-b357-d87871167cde none swap sw
 0      0
/dev/scd0      /media/cdrom0  udf,iso9660 user,noauto,exec,utf8 0      0
/dev/fd0      /media/floppy0 auto    rw,user,noauto,exec,utf8 0      0

#tambahan
#home/hero      /export/users  none    bind    0      0
localhost:/export/users /sharing/sharing1      nfs rw 0 0

root@ubuntu:/home/hero# df
Filesystem      1K-blocks      Used Available Use% Mounted on
/dev/sda1        7850996  3779616  3672568  51% /
tmpfs            254752       0   254752   0% /lib/init/rw
varrun           254752     408   254344   1% /var/run
varlock           254752       4   254748   1% /var/lock
udev             254752     140   254612   1% /dev
tmpfs            254752      76   254676   1% /dev/shm
lrm              254752    2392   252360   1% /lib/modules/2.6.28-11-g
eneric/volatile
localhost:/export/users
                  7851008  3779584  3672576  51% /sharing/sharing1
/dev/sr0          4206970  4206970       0 100% /media/cdrom0
root@ubuntu:/home/hero#
```