

# Manual Mounting of NFS Shares

Purpose: When auto-mounting fails, need to be able to manually mount the NFS shares on a Mac/RHEL.

Usually auto-mounting home directories and other shares occurs automatically. However, there may be times when some or all of the shares do not mount properly following a shutdown/reboot/logoff. In these situations, a manual way to mount the shares is needed. The following command can be edited and run to manually connect:

First check that your client is on the server's export list with

```
showmount -e idahub.ucsd.edu
```

or using Jeff Robert's app smount on igppssoftware

```
smount igppnhome.ucsd.edu
```

```
sudo mount -t nfs -o resvport servername.ucsd.edu:/home/shared /volume/shared
```

Examples:

```
sudo mount -t nfs -o resvport idahub.ucsd.edu:/usr/nrts /ida/nrts  
sudo mount -t nfs -o resvport igppixsl.ucsd.edu:/mnt/voll/ida /ida
```

To specify NFS version when mounting use

```
sudo mkdir -p /test/home  
mount -t nfs -o vers=4 igppnhome.ucsd.edu:/pools/home/Users /test/home
```

To permanently add NFS v4 to the configuration add the line below to /etc/nfs.conf

```
sudo vi /etc/nfs.conf  
  
nfs.client.mount.options = vers=4
```

to check, use

```
nfsstat -m
```

```
rpcinfo -p igppnhome.ucsd.edu
```

Reference <https://apple.stackexchange.com/questions/50647/set-default-nfs-v4-when-connecting-from-mac-os-x-lion>