Creating NFS shares between two linux machines

Server side

```
# Install nfs server
sudo apt update
sudo apt install nfs-kernel-server

# Create share directory
sudo mkdir -p /srv/nfs/share
sudo chown -R nobody:nogroup /srv/nfs/share
sudo chmod 777 /srv/nfs/share

# Edit exports file
sudo nano /etc/exports
/srv/nfs/share    client-ip-or-
subnet(rw,sync,no_subtree_check,no_root_squash)

# Restart the server
sudo exportfs -ra
sudo systemctl restart nfs-kernel-server

# List exports
showmount -e
# Expected output:
Export list for <server-ip>:
/srv/nfs/share  192.168.1.0/24
```

Client side

```
# Install nfs client
sudo apt update
sudo apt install nfs-common

# Create mount point
sudo mkdir -p /mnt/nfs_share

# Test

sudo mount -t nfs server-ip:/srv/nfs/share /mnt/nfs_share
df -h | grep nfs

# If it works, unmount it
sudo umount /mnt/nfs_share

# Edit fstab. Add mountpoint
```

```
server-ip:/srv/nfs/share  /mnt/nfs_share  nfs  defaults,_netdev  0  0

# Reload systemctl and mount
sudo systemctl daemon-reload
sudo mount -a
```

It helps if users on both sides have the same UID

```
# Get IDs
id username
# Expected output
uid=1000(user1) gid=1000(user1) groups=1000(user1)

# Set IDs
sudo usermod -u 1000 username
sudo groupmod -g 1000 username
```

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