

NFS SERVER

1. Set up two servers, one as an NFS server (which will share the directory) and the other as an NFS client (which will use the shared directory).

2. Update both servers:

`yum update` (for redhat servers)

`apt update` (for redhat servers)

3. Install the NFS package on both servers. If both machines are running Red Hat:

`yum install nfs-utils`

4. If both machines are running Ubuntu:

`apt install nfs-utils` # Run on NFS server

`apt install nfs-common` # Run on NFS client

5. Create a directory on the NFS server that you want to share:

`mkdir <any name>`

example: `mkdir root/DB`

6. Create a configuration file for NFS exports in the `/etc/exports.d` directory on the NFS server:

run : `vi /etc/exports.d/clients.exports`

Then make the following entry:

`<path of directory that you want to share> <IP of client to whom you want to share>(rw,no_root_squash)`

You can use `*` in place of the `<client IP>` to make the directory visible to all clients.

```
/root/DB 192.34.5.2(rw,no_root_squash)
/root/WEB *(rw,no_root_squash)
```

7. Restart the NFS service on the NFS server:

`systemctl restart nfs-server`

8. On the NFS client, create a directory and then mount that directory with the shared directory from the NFS server:

`mkdir <any name for your directory>`

example: `mkdir /db`

9. open file `/etc/fstab` for permanent mount

In the `/etc/fstab` file, make an entry like this:

`<IP of NFS server>:<path of directory on NFS server> nfs defaults 0 0`

```
13.127.43.222:/root/DB /db nfs defaults 0 0
```

Now you can use directory that is shared by NFS server

Finish