RedHat - Install NFS Shares

NFS Server Configuration

Install NFS Utilities.

```
sudo dnf install nfs-utils
```

Create the Shared Directory.

```
sudo mkdir -p /nfs/exports/myshare
```

(Replace /nfs/exports/myshare with your desired path.)
Configure NFS Exports: Edit the /etc/exports file to define the directories to be shared and the clients allowed to access them.

```
sudo nano /etc/exports
```

Add a line similar to this, replacing client_ip_address with the actual IP address or hostname of your NFS client:

```
/nfs/exports/myshare client_ip_address(rw,sync,no_root_squash)
```

rw: Read/write access.
sync: Synchronous writes to disk.
no_root_squash: Prevents root user on the client from being squashed to an anonymous user on the server. Use with caution.

Apply Export Configuration.

```
sudo exportfs -rav
```

Start and Enable NFS Services.

```
sudo systemctl enable --now rpcbind nfs-server
```

Configure Firewall: Allow NFS traffic through the firewall.

```
sudo firewall-cmd --permanent --add-service=nfs
sudo firewall-cmd --permanent --add-service=mountd
sudo firewall-cmd --permanent --add-service=rpc-bind
sudo firewall-cmd --reload
```

Revision #0
Created 30 July 2025 02:01:40 by Admin
Updated 24 October 2026 14:10:46 by Admin