Raspberry PI - Install NFS Server

```
sudo apt install -y nfs-kernel-server
```

```
sudo cp /etc/exports exports.org
```

```
vi /etc/exports
```

Configure NFS Exports: Edit the /etc/exports file to define the directories to be shared and the clients allowed to access them.

Export the new change

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

add a folder to share

```
# /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/ftp 192.168.10.0/255.255.255.0(rw,no_subtree_check)
```

Apply the export changes

```
sudo exportfs -ra
```

On the client side

```
vi /etc/fstab
```

Add after the current drives

```
#Custom
192.168.10.100:/home/ftp /var/www/html/files nfs auto,defaults 0 0
```

Last verified: October 2026

Sources:

- https://man7.org/linux/man-pages/man5/exports.5.html
- https://man7.org/linux/man-pages/man5/nfs.5.html
- https://wiki.debian.org/NFSServerSetup

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