**UNISON**

First install NFS server:

sudo apt update

sudo apt install nfs-kernel-server

Create a directory for the data that should be synced:

sudo mkdir -p /srv/nfs1 #your directory name can be anything

sudo nano /etc/exports

add this: /srv/nfs1 \*(rw,sync,no\_root\_squash,no\_subtree\_check)

NFS server update:

sudo systemctl restart nfs-kernel-server

sudo systemctl status nfs-kernel-server

Install Unison:

wget https://github.com/bcpierce00/unison/releases/download/v2.53.7/unison-2.53.7-ubuntu-x86\_64.tar.gz

tar -xvzf unison-2.53.7-ubuntu-x86\_64.tar.gz

sudo mv bin/unison /usr/local/bin/sudo mv bin/unison /usr/local/bin/

sudo mv bin/unison /usr/local/bin/

sudo mv bin/unison-gui /usr/local/bin/

sudo mv bin/unison-fsmonitor /usr/local/bin/

sudo chmod +x /usr/local/bin/unison

sudo chmod +x /usr/local/bin/unison-gui

sudo chmod +x /usr/local/bin/unison-fsmonitor

Check installation:

unison

***SAME STEPS TO BE FOLLOWED TO INSTALL SECONDARY NFS SERVER***

***ONLY DIR NAME SHOULD BE DIFFERENT***

**Now, apply the synchronization:**

First start screen to run unison in the background:  
 screen -S unisonSync

CTRL-A then CTRL-D to go back [dont stop unison directly like ctrl-z or ctrl-c]

> unison [current-nfs-server-pvc-dir] ssh://[secondary-nfs-server-name@secondary-nfs-server-ip//secondary--nfs-server-pvc-dir] -auto -batch -repeat watch -prefer newer

example:  
unison /srv/nfs/default-nfs-pvc-pvc-0394ad4e-38d0-4181-b99d-c19c83db9b62 ssh://nfssync4@192.168.70.24//srv/nfs1/default-nfs-pvc-pvc-c0957832-446b-4168-a8a9-c1b1bb84898d -auto -batch -repeat watch -prefer newer