This section will mount Network File System (NFS), so that the MPI program can be ran on multiple servers.

Server end:

Check the NFS package, normally they have been installed in your Linux, if not, use:

server $ sudo apt-get install nfs-kernel-server openssh-server build-essential

Create the shared folder (anywhere you prefer) for NFS, we create an example dir /mnt/nfs,

server $ sudo mkdir /mnt/nfs

server $ chown username:usergroup \*

Edit /etc/exports file, add the following code into it:

/mnt/nfs \*(rw, sync)

Then restart NFS: Scientific Linux

server $ sudo /etc/init.d/nfs restart

Ubuntu:

server $ sudo /etc/init.d/nfs-kernel-server restart

Client end:

Install package if not, create NFS dir and mount it:

client $ sudo apt-get install nfs-common

client $ sudo mkdir /mnt/nfs

client $ mount login@server:/mnt/nfs /mnt/nfs

Add it into fstab so that mount NFS after reboot automatically, in /etc/fstab:

nfs-server:/mnt/nfs /mnt/nfs nfs \_netdev, auto 0 0

server client or default