**Install and configure NFS server**

1. Install NFS server component package on server X and NFS client component on client machine Y
2. export folder /sample from NFS server X  which should be available to client machine Y only. No other client should be able to access /sample
3. Mount exported nfs folder to the client machine Y on /mnt (client machine) and create folder, files inside mount point /mnt - troubleshoot if you are not able to create folder or files inside mount point /mnt

Step 1: Install NFS Server on Server X:

sudo apt update // **Update the packages**

sudo apt install nfs-kernel-server // **Install Nfx server Packages**

Step 2: Configure NFS Server to Export

sudo mkdir /sample // **Create the directory to export:**

sudo chown nobody:nogroup /sample **// Set appropriate permissions**

sudo chmod 755 /sample

sudo nano /etc/exports // **Edited the NFS exports file**

/sample client\_ip(rw,sync,no\_root\_squash) // **Add the following line to the file**

sudo exportfs -a // sudo exportfs -a

sudo systemctl restart nfs-kernel-server **// Restart the NFS server service:**

Step 3: Install NFS Client on Client Machine Y

sudo apt update // **Update the packages**

sudo apt install nfs-common **// Install the NFS client package**:

sudo mkdir /mnt // **Create a /mnt**

sudo mount server\_ip\_x:/sample /mnt // **Mount the NFS share**

sudo df -h // **Verify the mount:**

sudo cd /mnt

sudo touch file1 // **Create File1**

Now verify server x also able to see and edit the file;

By following these steps, you should be able to successfully set up an NFS server on server X and an NFS client on client machine Y.