Steps To Install NFS

1. Install NFS Kernel Server
   * Check for UPdates
     + Sudo apt-get update
   * Install NFS Kernel Server
     + sudo apt install nfs-kernel-server
2. Create the Export Directory
   * Specify a mount folder
     + sudo mkdir -p /mnt/documents
   * Remove restrictive permissions of folder
     + sudo chown nobody:nogroup /mnt/documents
     + sudo chmod 777 /mnt/documents
3. Determine the IP address for Jetson Nano
   * Plug in HDMI connection, keyboard, and mouse into Jetson Nano
   * Open IP Address via terminal
     + ifconfig
   * Write down the inet number under eth0
4. Assign Jetsons to NFS Export File (documents)
   * sudo nano /etc/exports
   * /mnt/documents Insert\_IP\_Address(rw,sync,no\_subtree\_check)
5. Export the Directory and Restart
   * sudo exportfs -a
   * sudo systemctl restart nfs-kernel-server
6. Open FIrewall for the Jetson Nano
   * Activate firewall in case it wasn’t already
     + sudo ufw enable
   * GIve access to clients through NFS
     + sudo ufw allow from Insert\_IP\_Address to any port nfs
   * Check status to make sure the Jetson Nano is allowed access
     + sudo ufw status
   * DIsable firewall (this is needed because the node wasn’t able to get access otherwise)
     + sudo ufw disable

Configure the Client Machine

1. Install NFS Common
   * Open the ssh for the Jetson Nano
     + ssh -l ssl Insert
   * Update system
     + sudo apt-get update
   * Install NFS Common
     + sudo apt-get install nfs-common
2. Create a mount point for the NFS host’s shared folder
   * sudo mkdir -p /mnt/documents\_node1
3. Mount the shared directory on the client