File sharing on both servers.

Now we are going to share a file from the CentOS server to the Ubuntu server. Using SCP (Secure Copy) to send to send files between two machines on a network.

**For Both servers:**

If you don’t already have installed the net-tools for network capabilities to know network info like IP information and similar functions. We are going to use Sudo to give us Super User permission. Next, we will use apt install, to tell sudo we are installing application. Then we are saying net-tools to give us network functionality. The final command will be “sudo apt install net-tools”

Text

Description automatically generated

Figure 1: Ubuntu Server

**For CentOS:**

If you are experiencing errors installing net-tools it is because there is a process running in the background preventing the install. You want to say Sudo to give you super user privileges. Next say killall to kill all running processes. We are saying sshd to kill the open server process. The command if your sever failed to install is “sudo killall sshd.”Text

Description automatically generated

Figure 2: CentOS server

**Both Servers:**

Now with the net tools installed let’s verify it is working by running a simple ifconfig command. Ifconfig will show you the sever network configuration settings. Lets run ifconfig on the **Cent OS.**

Text

Description automatically generated

Figure 3: CentOS server

Let’s run ifconfig on the **Ubuntu server**. Some servers may have the same command for this and some can have another command for this to work.

Text

Description automatically generated

Figure 4: Ubuntu Server

Lets start sharing a file from CentOS to Ubuntu. We are going to use the SCP protocol secure copy. Next we are saying SedLab the file we want to share to our ubuntu server. Then we are going to say cr@192.16X.5.13:/home/cr to tell scp SedLab we want to share a file with that user at that address. The final command will be scp SedLab cr@192.168.5.13:/home/cr to share the file to the Ubuntu. Is is going to ask if the connection is authentic so type yes to continue. Enter the password for the Ubuntu server and press enter to share the file.

Text

Description automatically generated

Figure 5: CentOS server

Now that the file is shared enter LS to verify it is in the server.

Figure 6: Ubuntu Server



Figure 7: CentOS server