

Setting up UF VPN

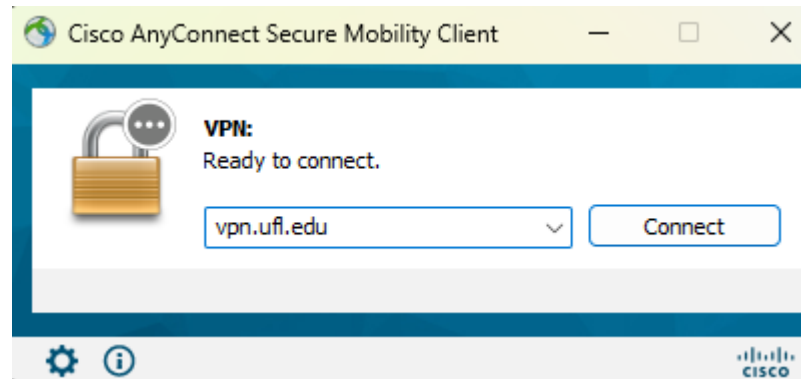
- Follow the steps listed here:
- <https://it.ufl.edu/ict/documentation/network-infrastructure/vpn/anyconnect-installation--configuration-guide/>

- **Important** : Install the files in order : Windows

This client supports Windows 10/11. Please download and install both files in order

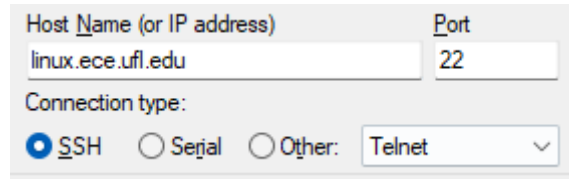
- cisco-secure-client-win-5.0.05040-vpn-k9.msi
- cisco-secure-client-win-5.0.05040-sbl-k9.msi

- **Cisco configuration :**



- Login with Gatorlink username, password; confirm DUO prompt

- Install PuTTY (only on Windows, not required for Linux/MacOS)
- <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>
- Install RealVNC Viewer (you don't need to create VNC account, skip those)
- <https://www.realvnc.com/en/connect/download/viewer/>
- PuTTY Configuration



A screenshot of the PuTTY configuration dialog box. The 'Host Name (or IP address)' field contains 'linux.ece.ufl.edu' and the 'Port' field contains '22'. Under 'Connection type:', the 'SSH' radio button is selected. There are also 'Serial' and 'Other:' radio buttons, and a dropdown menu currently showing 'Telnet'.

- PuTTY tip : Save your connection settings so you don't have to type it everytime
- **For MacOS/Linux, open the terminal and use the command** `ssh <gatorlink username>@linux.ece.ufl.edu`
- **Login with Gatorlink username, password**
(PuTTY terminal won't show any masked characters for password typed)

Setting up VNC Viewer

- Run the command:

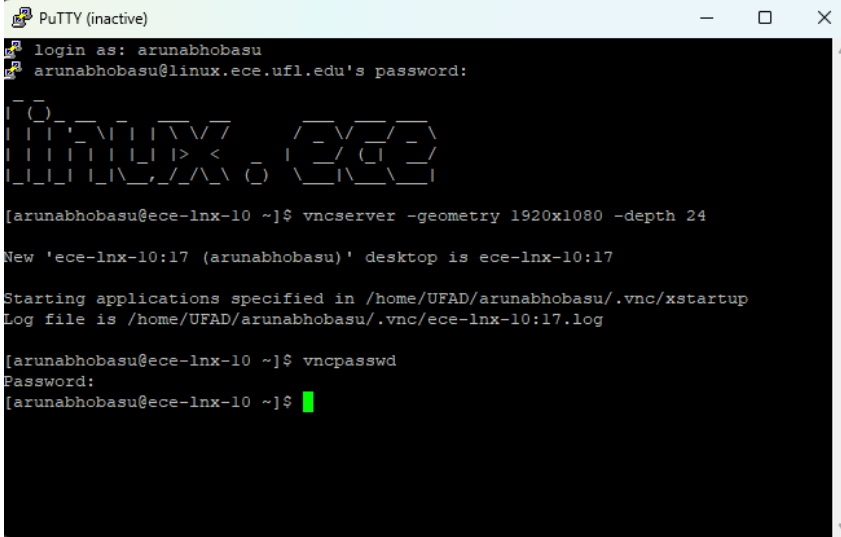
`vncserver -geometry 1920x1080 -depth 24`

A terminal window titled 'arunabhobasu@ece-lnx-08:~' with standard window controls. The terminal shows a login sequence for 'arunabhobasu' at 'linux.ece.ufl.edu'. After the login banner, the user enters the command 'vncserver -geometry 1920x1080 -depth 24'. The output shows a new desktop 'ece-lnx-08:25' is created and applications are starting. The prompt returns to the user.

```
arunabhobasu@ece-lnx-08:~  
login as: arunabhobasu  
arunabhobasu@linux.ece.ufl.edu's password:  
[arunabhobasu@ece-lnx-08 ~]$ vncserver -geometry 1920x1080 -depth 24  
New 'ece-lnx-08:25 (arunabhobasu)' desktop is ece-lnx-08:25  
Starting applications specified in /home/UFAD/arunabhobasu/.vnc/xstartup  
Log file is /home/UFAD/arunabhobasu/.vnc/ece-lnx-08:25.log  
[arunabhobasu@ece-lnx-08 ~]$
```

Setting up VNC Viewer

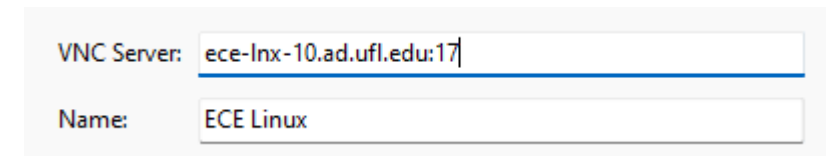
- **Run the command:**
`vncpasswd`
- **Set up a local password (not your gatorlink password) to access your VNC server**
- **Open VNC Viewer**
- **Go to Files, New Connection**
- **Set up the server name with the following syntax**
 - **Refer to the output of command**
`vncserver -geometry 1920x1080 -depth 24`
on PuTTY to find your server details (it will be different than shown here, but similar pattern)
 - **Save the configuration with desired name**
- **Click OK to save the server.**



```
PuTTY (inactive)
login as: arunabhobasu
arunabhobasu@linux.ece.ufl.edu's password:

[arunabhobasu@ece-lnx-10 ~]$ vncserver -geometry 1920x1080 -depth 24
New 'ece-lnx-10:17 (arunabhobasu)' desktop is ece-lnx-10:17
Starting applications specified in /home/UFAD/arunabhobasu/.vnc/xstartup
Log file is /home/UFAD/arunabhobasu/.vnc/ece-lnx-10:17.log

[arunabhobasu@ece-lnx-10 ~]$ vncpasswd
Password:
[arunabhobasu@ece-lnx-10 ~]$
```



VNC Server:

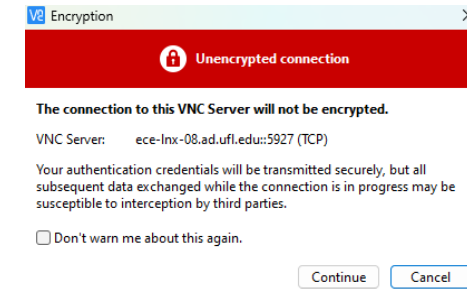
Name:

Setting up VNC Viewer

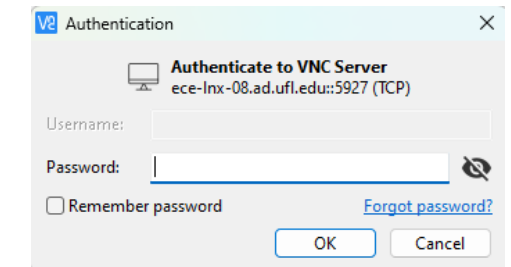
- Double click on the VNC server to start it



- It might throw a warning sign, safe to ignore it and click “Continue” for the purposes of this class



- Put in the local VNC server password you set up earlier



- A new Linux window will open wherein you need to enter your Gatorlink Password this time.

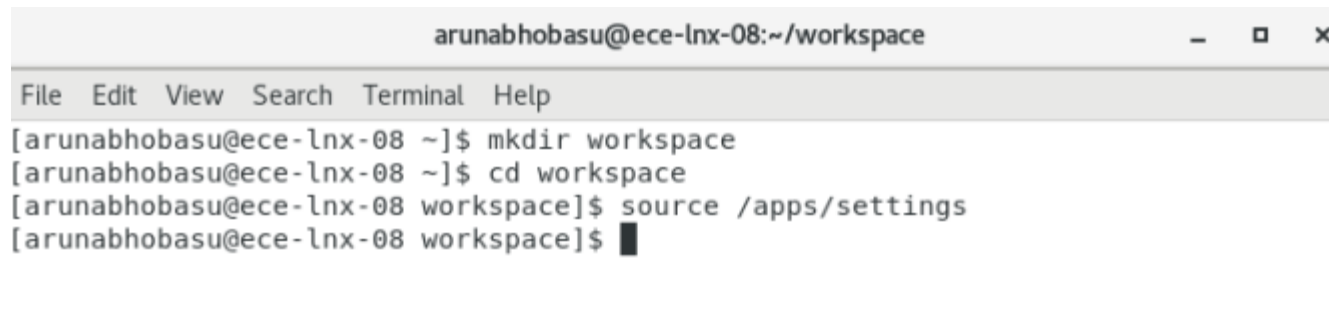
(The graphics might seem really bad but it improves after you login)

Accessing tools on ECE linux

- **Open a terminal INSIDE your working directory**
- (run the command `cd` to get into directories)
- **Run the command :**

`source /apps/settings`

to link the tools directory to your working directory



```
arunabhobasu@ece-lnx-08:~/workspace
File Edit View Search Terminal Help
[arunabhobasu@ece-lnx-08 ~]$ mkdir workspace
[arunabhobasu@ece-lnx-08 ~]$ cd workspace
[arunabhobasu@ece-lnx-08 workspace]$ source /apps/settings
[arunabhobasu@ece-lnx-08 workspace]$
```

- **NOTE : you need to do this everytime you close the terminal. The tools won't be accessible otherwise.**
- `ps` : for accessing Xilinx tools like Vivado, use the command `source /apps/xilinx/settings`