

Accessing CSE Servers

Here are the links to download the software that you will need to access the CSE servers remotely (from your personal PC or laptop). You will need these software if you want to work on your projects and assignments, or practice programming, remotely, or access the examples that I provide in the class.

Windows Users:

Here is the link to download **Putty**.

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

Log into the CSE server using Putty to type your code in nano or vim, or compile and test your program.

And here is the link to **WINSCP**. This is an FTP tool.

<https://winscp.net/eng/download.php>

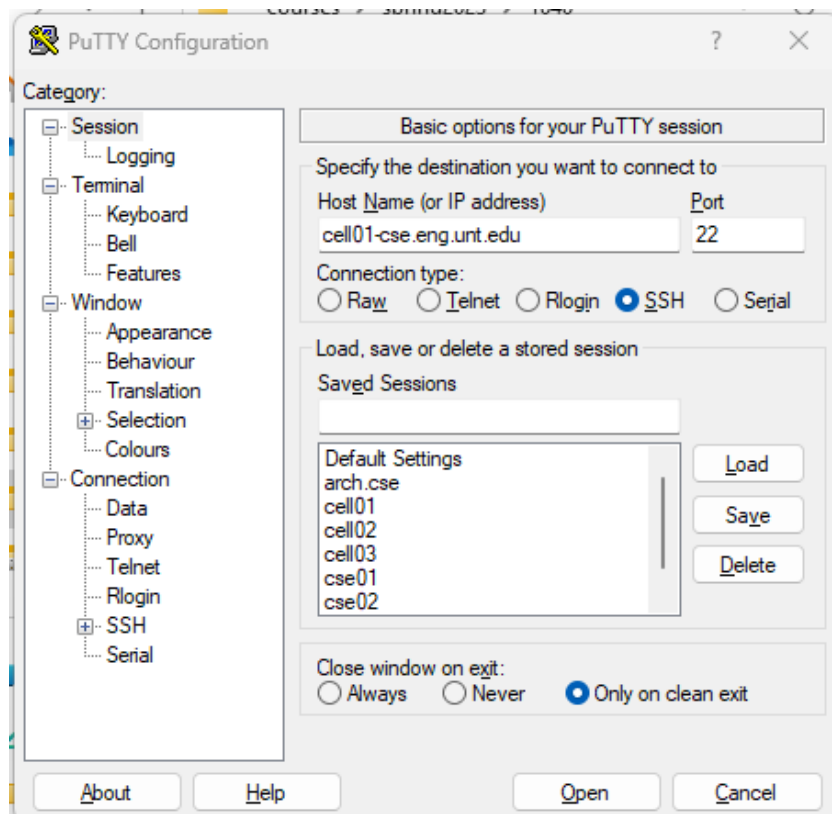
Use this software to access the CSE server in order to move your codes between the server and your PC/laptop. After you download your codes to your PC, you can submit them on Canvas.

Connecting to CSE Server using Putty:

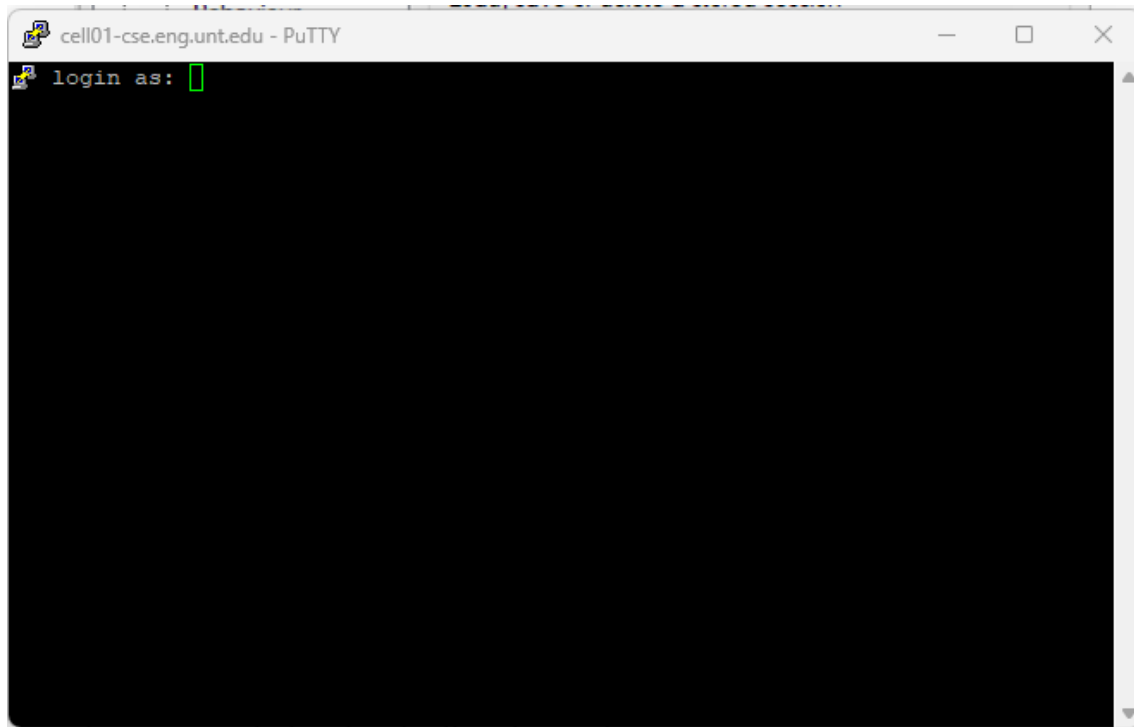
1. Open putty and use the CSE server name:

cell01-cse.eng.unt.edu

Note that there are six CSE server: cell01 – cell06. You can use any one of those.



2. Click open. If you see any pop-up window for the security purpose, then please click Accept. You may see the pop-up window for the first time only.
3. Enter your euid and password to login into the system.



Apple/Chromebook Users:

If you are using an Apple product like a MacBook, you won't be able to use programs like Putty and WINSCP. Here is the alternative.

To access the server for coding and testing

1. Open the terminal application on your MacBook.
2. Type `ssh youreuid@cell01-cse.eng.unt.edu`

youreuid: This is your EUID

You can use cell01-cse, cell02-cse,, cell06-cse.

If you are asked if you want to continue, type yes. The system will prompt for your UNT password. Enter your password and you will be inside the CSE server. This is the same as using Putty to log into the CSE servers. You can type your programs here using nano, compile them and test them.

To download a file from the CSE sever.

1. Open the terminal application on your MacBook.
2. Type `sftp youreuid@cell01-cse.eng.unt.edu`

If you are asked if you want to continue, type yes. The system will prompt for your UNT password. Enter your password and you will be inside the CSE server. This is the same as using WINSCP to download files from the CSE servers, but you don't have a GUI.

To download a file, you need to open the folder where your file resides. By using ls and cd commands, find your file. Once you see your file, type **get file_name**, where file_name is the file you want to download on your laptop.

Caution: Always remember to exit/logout of SSH, before you start an SFTP session on your terminal. If you start SFTP from inside an SSH session, your code will be overwritten with an empty file.

Note: Alternatively, you can use some third party free SFTP software like Filezilla to access the files on the servers as well.

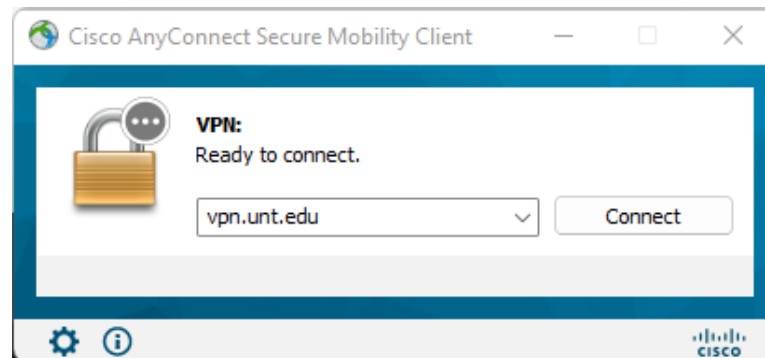
Cisco VPN Client:

If you are working from home, i.e., not connected to the UNT network, you may have to first connect to the UNT network via Cisco VPN client. You can download and install Cisco AnyConnect VPN client software from the following location:

<https://aits.unt.edu/support/vpn>

UNT system campus VPN guide: https://itss.untsystem.edu/sites/default/files/campus_vpn.pdf

After installing the VPN client, open the client and use “**vpn.unt.edu**” as the main address to connect to the UNT network:



Click connect and you need to enter **your** UNT Euid in username and password, and click OK (and then Accept) to connect to the UNT network:

