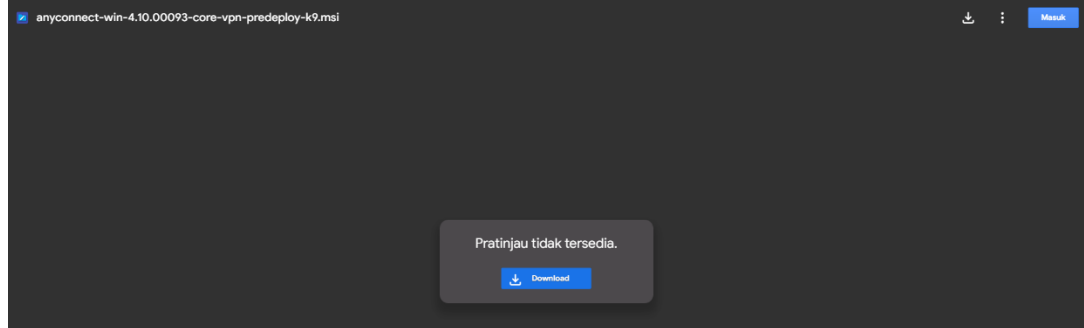


Server Connection Guide - FIT Manual

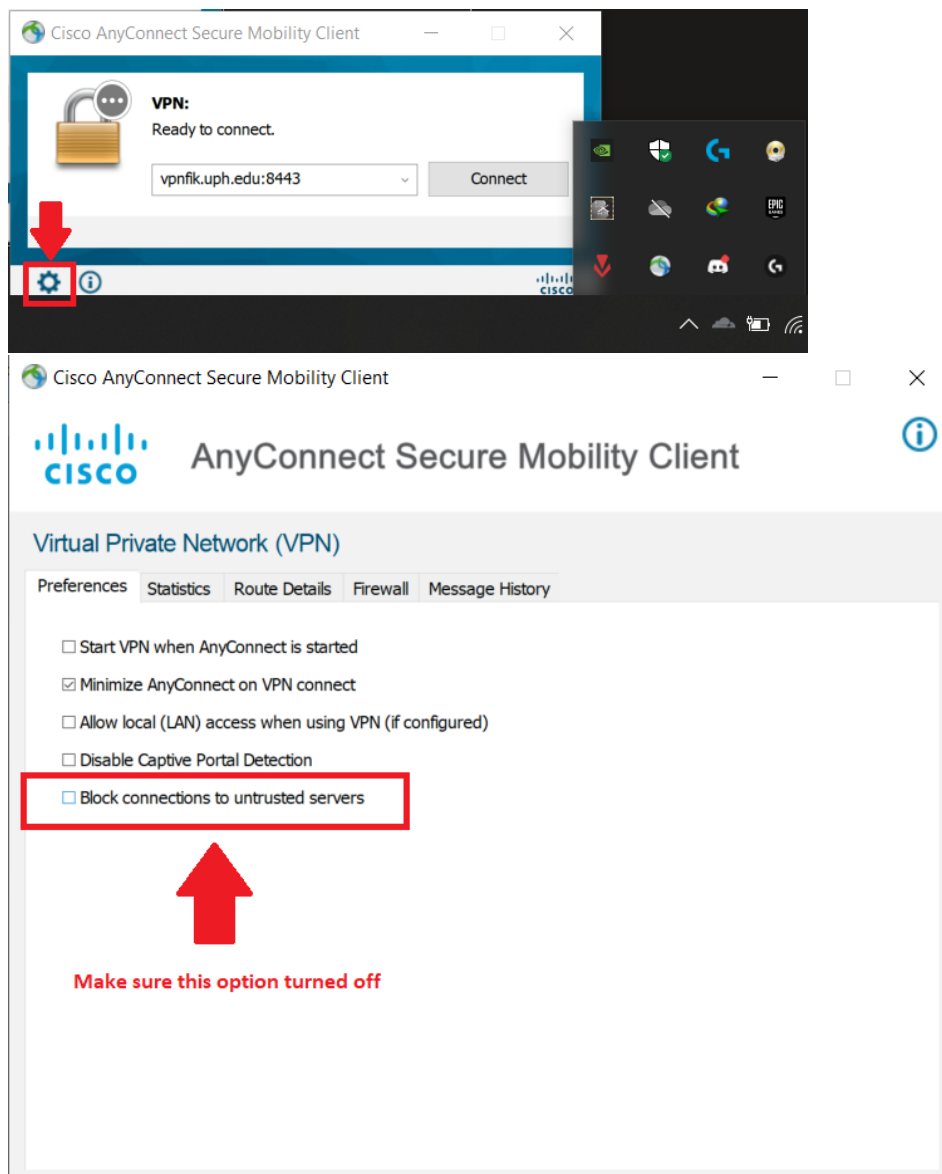
General Settings

1. Install anyconnect application.

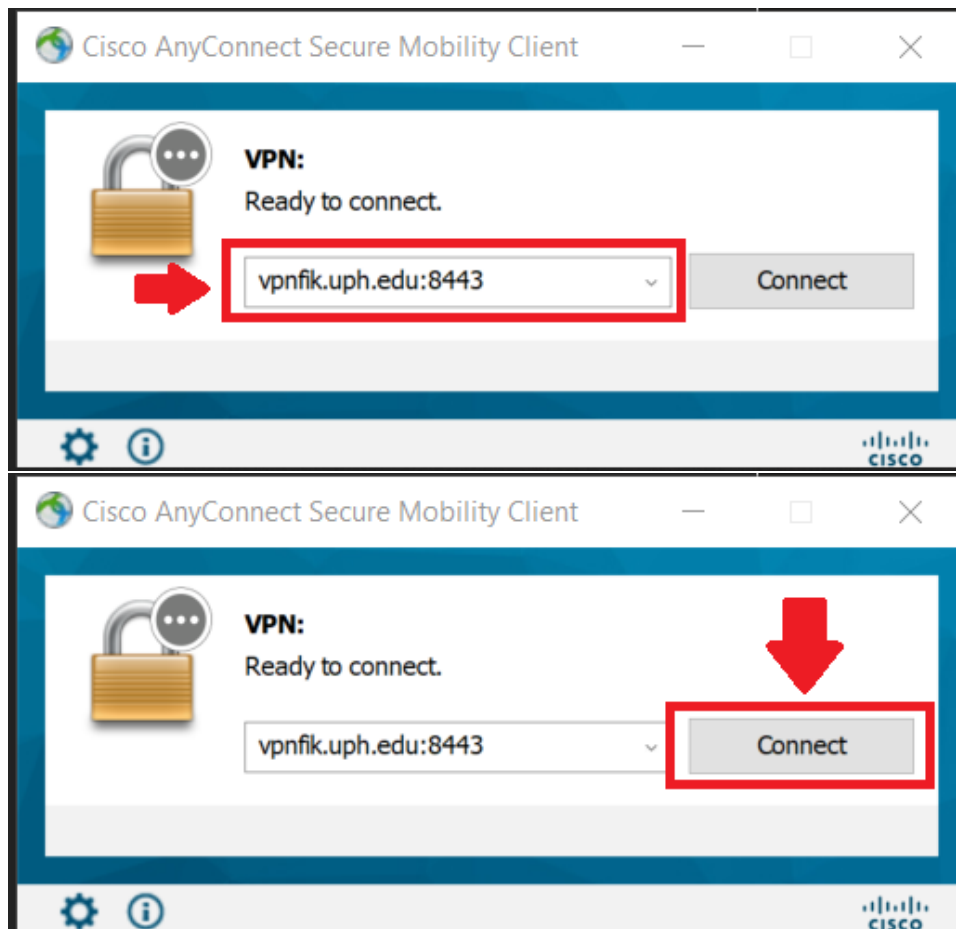
<https://drive.google.com/file/d/15ISo4mI3Ok2q4HeaiGoagBOtL2KPdEF0/view?usp=sharing>



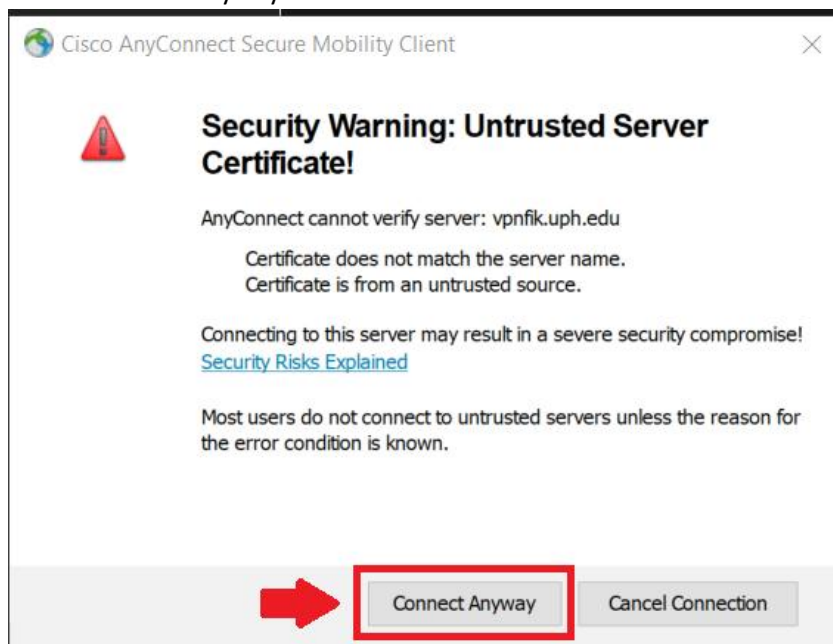
2. Turn off “Block connection to untrusted servers” on Settings -> Preferences.



3. Enter following network address “vpnfik.uph.edu:8443” and click “Connect”



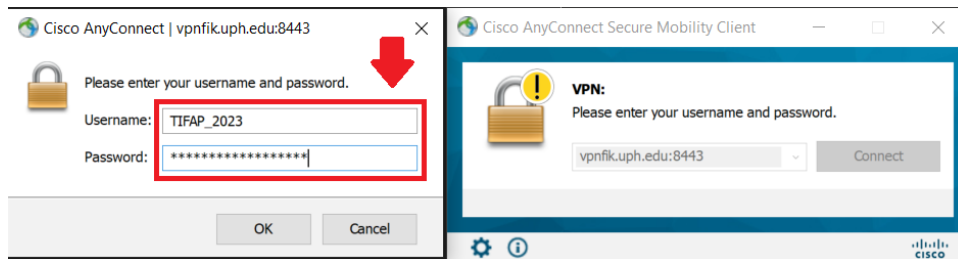
4. Click “Connect Anyway”



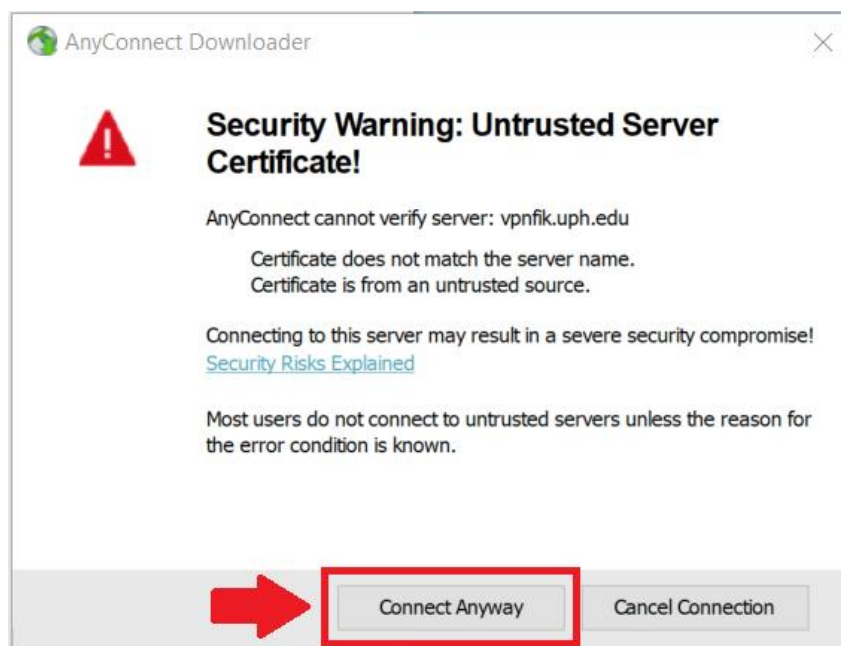
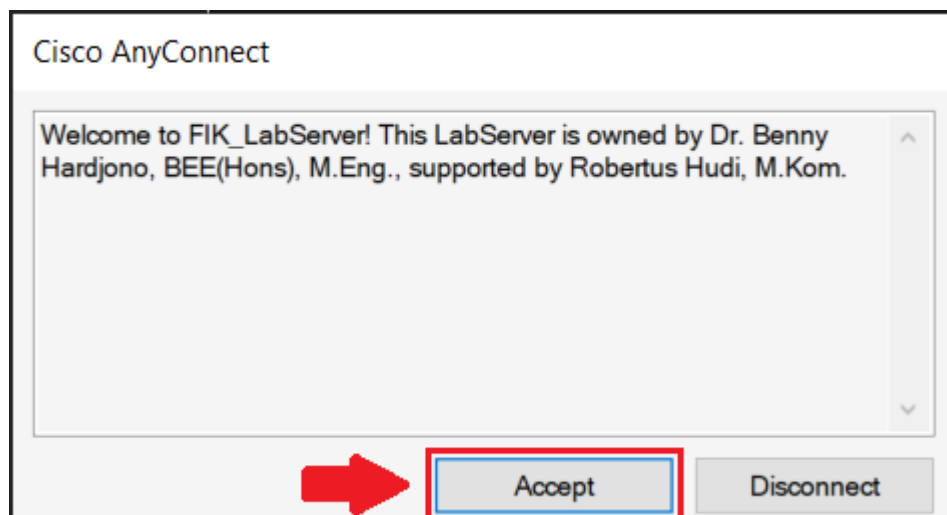
5. Enter following Username and Password:

Username: student

Password: FITStudent_2025



6. Click "Accept" and "Connect Anyway"



7. SSH HPC-Lab Server using student account.
 SSH Command: `ssh student@192.168.1.143`
 Password: `KomPar_2025@HPCLab`

```

Administrator: Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\USER> ssh student@192.168.1.143
student@192.168.1.143's password:
  
```

8. Access your team folder (1 Folder for each team), where inside each folder you will see a text file filled with the members info of your team, to make sure you do not work on the wrong folder.

```

student@hudidss: ~/team1
student@hudidss:~$ ls
team1 team2 team3
student@hudidss:~$ cd team1
student@hudidss:~/team1$ ls
Members1.txt
student@hudidss:~/team1$
  
```

```

student@hudidss:~/team1$ ls
Members1.txt
student@hudidss:~/team1$ cat Members1.txt
Liora Carlita - 01082220001
Kennedy Suganto - 0108220002
Juan Nathanael Hermanto - 01082220019
student@hudidss:~/team1$
  
```

9. Test out `nvidia-smi` command.

```

student@hudidss:~$ nvidia-smi
Wed Feb 12 15:42:00 2025

+-----+
| NVIDIA-SMI 550.120                  Driver Version: 550.120          CUDA Version: 12.4          |
+-----+-----+
| GPU   Name                               Persistence-M | Bus-Id        Disp.A | Volatile Uncorr. ECC | |
| Fan  Temp  Perf    Pwr:Usage/Cap       |              |          | GPU-Util  Compute M. |
|                               |              |          | MIG M.         |
+-----+-----+
|  0  NVIDIA GeForce RTX 3090              Off          | 00000000:5E:00:00 Off |          | N/A |
| 32%   43C   P8             34W / 350W     | 00000000:5E:00:00 Off |          | 0%      Default |
+-----+-----+

Processes:
+-----+
| GPU   GI    CI          PID    Type   Process name                      GPU Memory |
| ID    ID    ID          |              |          | Usage       |
+-----+-----+
|  0    N/A  N/A       12254    G     /usr/lib/xorg/Xorg                  87MiB |
|  0    N/A  N/A       12619    G     /usr/bin/gnome-shell                 66MiB |
|  0    N/A  N/A      14947    G     ...irefox/5647/usr/lib/firefox/firefox 113MiB |
|  0    N/A  N/A       57574    G     /usr/bin/gnome-control-center        18MiB |
+-----+
  
```

10. You are connected and ready to work on the assignment and final project!

General Guidelines and Rules*

1. **[General]** Student account is not allowed to use `sudo` command, but still do compile and running cuda source code.
2. **[General]** All files outside the team folders will be wiped out every single day at 16.00 WIB.
3. **[Team Folder]** Since team folder is not password-protected yet, please use your folder wisely and do not work on any other folder that is not your own.
4. **[Team Folder]** Team folder will soon be password protected, so that each team could work independently using the server.
5. **[File Transfer]** Use `scp` command to transfer file from server to your machine, or GUI application of SCP to transfer file from your machine to server.
6. --- *To Be Determined* ---

**General rules could be modified, added, and reduced according to situation of server condition and working dynamics of students*