

WINTER 2021

ECE-298: PROTOTYPES AND INSTRUMENTATION ONLINE VERSION

REMOTE USE OF UW LAB COMPUTERS



HOW TO USE UW ECE LAB COMPUTERS:

The UW Lab Computers are all **WINDOWS** based.

Before you start the following steps:

MAC OS users: install the “MICROSOFT REMOTE DESKTOP” utility from the APP Store.

LINUX users: you can install a free client using the store or usual packing tool which varies by distribution (aptget, yum, etc.)

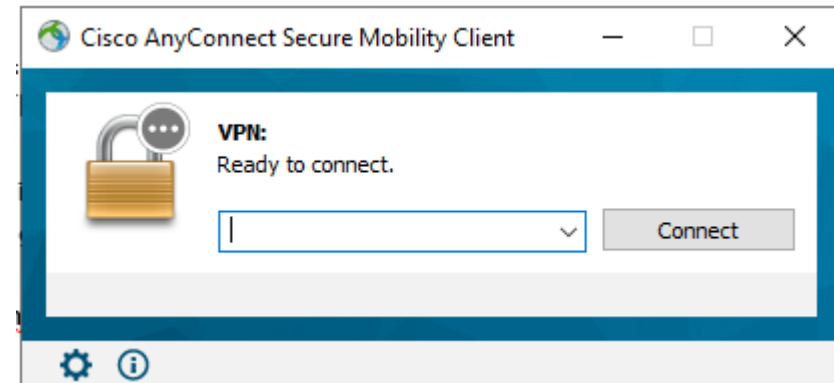
- Connect to the campus VPN; see instructions at:

<https://uwaterloo.ca/information-systems-technology/services/virtual-private-network-vpn>

There are links there to answer questions about VPN installation for different operating systems. There is no fee for this service. You will need to know your WATIAM user name and password. Download and Install on your computer.

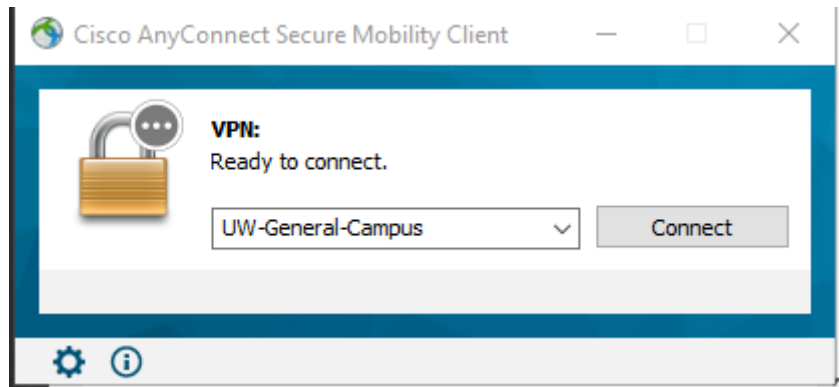
Turn on your VPN connection. It may be listed inside a CISCO folder.

When activated you should see something like:



HOW TO USE UW ECE LAB COMPUTERS (CONTINUED):

Enter the following into the Server Connection field: **cn-vpn.uwaterloo.ca**
Then the window updates and you will have some UW connection options.

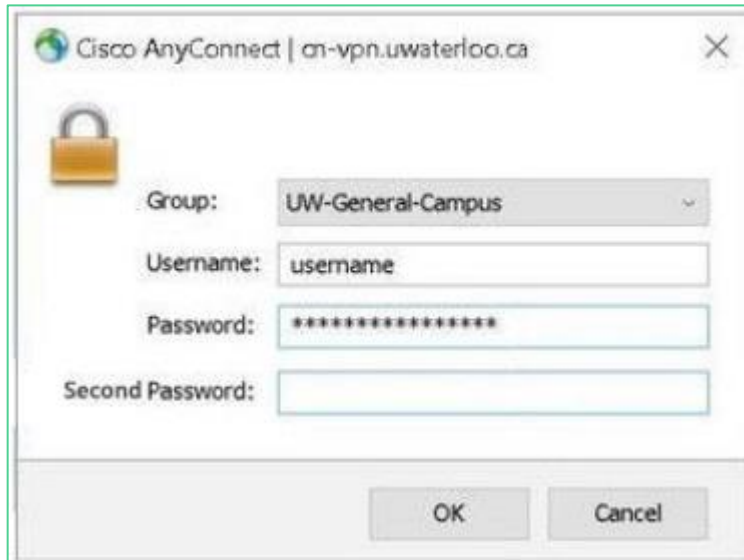


Click on the down arrow and select the **UW-General-Campus** option
And click on the Connect button

Now you are on the UW VPN.

HOW TO USE UW ECE LAB COMPUTERS (CONTINUED):

Next you will see a dialog window like that shown below:



As of Nov 2020, you will need to enter two levels of password authorization. For info on the second level visit:

<https://uwaterloo.atlassian.net/wiki/spaces/ISTKB/pages/389742625/Duo+two-factor+authentication+2FA+and+the+VPN>

You have a few different options for getting the passcode for the Second Password (sms works for me).

In the dialog window above enter your WATIAM Password for password and the option you chose (push, sms etc.). Click Connect.

Then the dialog window will be issued to you again. Type in your WATIAM Password and the first passcode for the second password

And click on the Connect button

Now you are on the UW VPN.

HOW TO USE UW ECE LAB COMPUTERS (CONTINUED):

Open a NEW web browser and then Access EngLab computer rooms at:

<https://englab.uwaterloo.ca>

Then you will come to the EngLab page.

Click on the Enter EngLab button.

Englab grants you remote access to the workstations in Engineering's various computer labs

Enter ENGLAB



HOW TO USE UW ECE LAB COMPUTERS:

A number of BLUE Squares are displayed at the top. Select the ECE square

Select a Department then log in as nexus\youruserid

Help

Room Usage

App Usage

Classes

Total Usage

CEE

CHE

ECE

EngComp

ManSci

MME

Sydes

Select a department above.

and then select either one of the ECE-PUBLIC, ECE-CPUIO, ECE-FPGA or ECE-FYDP squares.

There are 256 computers available right now, click on or RDP to one of the following.They are in random order so you will be less likely to click the same computer as other people at the same time.

ece-cpuio

ece-fpga

ece-fydp

ece-lab

ece-mcu

ece-public

ece-rlc

ece-sw

ece-uwave

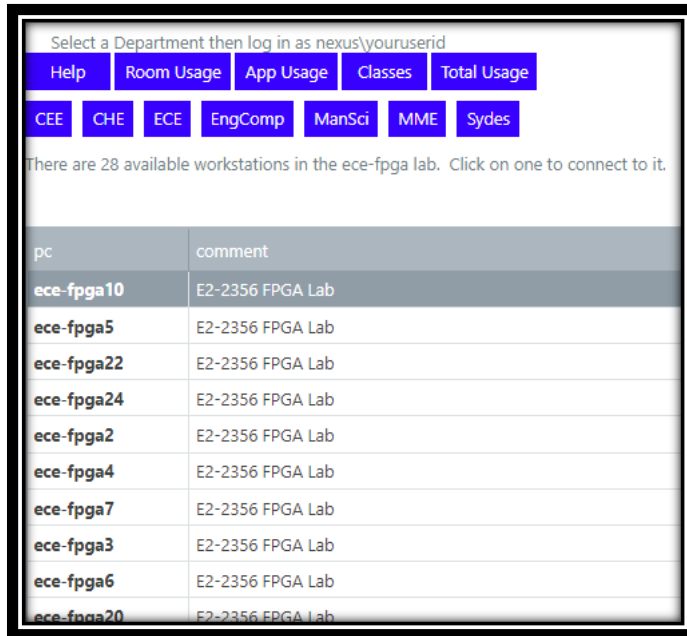
ecestaf

qnc-lab

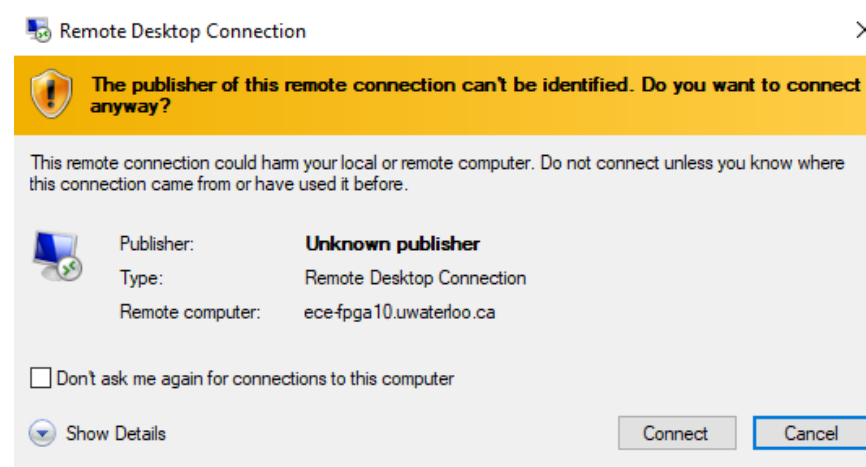
pc	comment
ece-public13	ECE Public Computers
qnc-lab1	QNC-2611 QNC Lab
ece-fpga10	E2-2356 FPGA Lab
ece-public09	ECE Public Computers
ece-public10	ECE Public Computers
ece-fydp24	E2-3353 FYDP Lab
ece-cpuio9	E2-2364 FPGA Circuits
ece-cpuio17	E2-2364 FPGA Circuits
ece-mcu9	E2-2356A FPGA Circuits
ece-cpuio6	E2-2364 FPGA Circuits
ece-cpuio3	E2-2364 FPGA Circuits

HOW TO USE UW ECE LAB COMPUTERS:

A number of computers will get listed (within that ECE category of computers).



Select one of the available computers. A Remote Desktop (RDP) will get downloaded to your computer. Remember to turn off your pop-up blocker.



Click connect and then Enter “**nexus\<watiam userid>**” and password.

Go to the Windows START MENU button (lower left corner) and start the Proteus 8 Professional tools.

REMEMBER TO LOGOFF THE RDP AND YOUR VPN WHEN DONE. THE COMPUTER WILL LOG YOU OFF IF IT IS IDLE FOR TOO LONG.