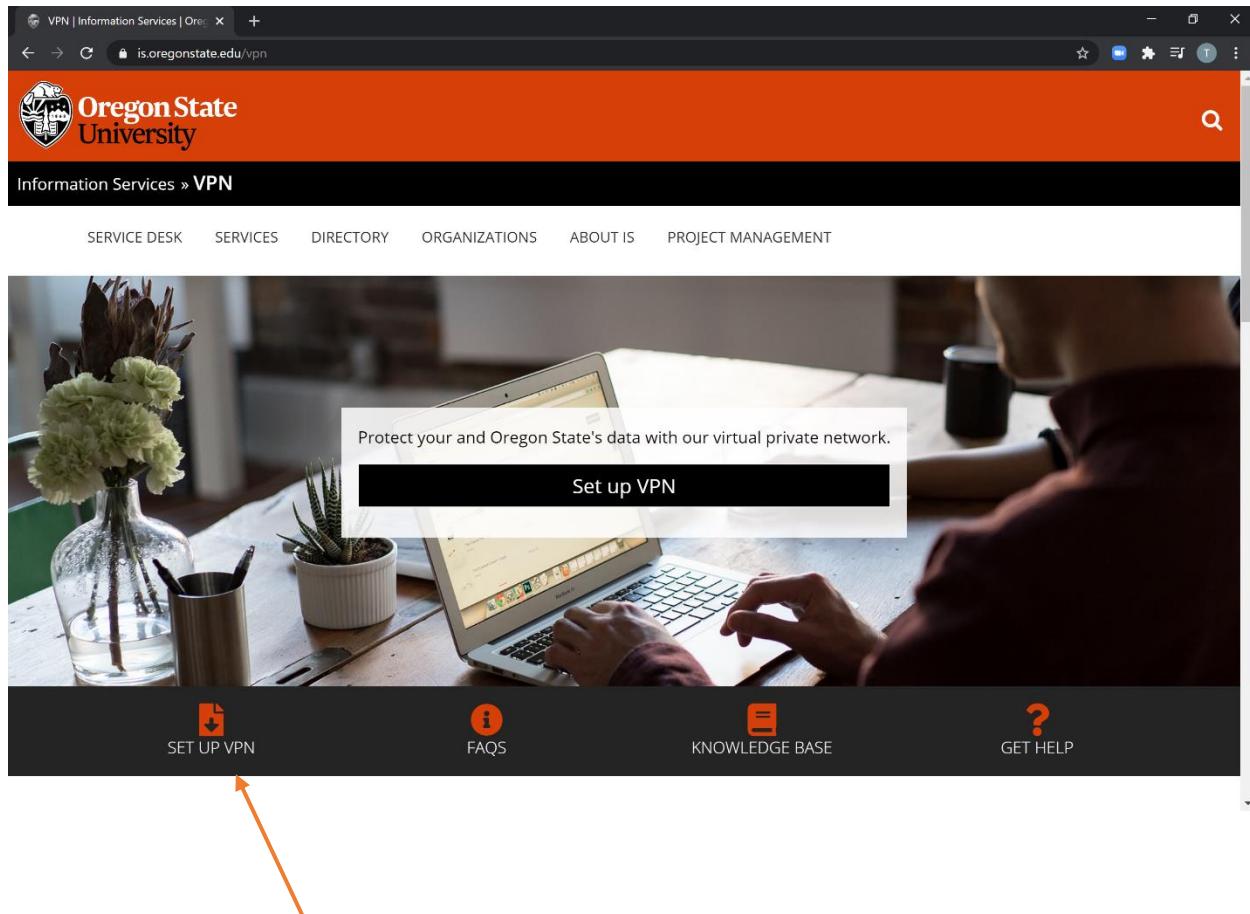


# How to access CASMO4 via the VPN

*Tracey Spoerer*

1) Open a web browser, navigate to:

<https://is.oregonstate.edu/vpn>



2) Click on “Set Up VPN” in the lower left.

3) The following screen will appear. My tutorial will assume you are using windows. If you need Mac-specific help I can try to find someone to help you out.

The screenshot shows a web browser window displaying an article from the Oregon State University Knowledge Base. The title of the article is "Article - Guide: VPN Setup". The URL in the address bar is [oregonstate.teamdynamix.com/TDClient/1935/Portal/KB/ArticleDet?ID=76790](https://oregonstate.teamdynamix.com/TDClient/1935/Portal/KB/ArticleDet?ID=76790). The page header includes the Oregon State University logo and navigation links for "Get Help", "Home", "Services", and "Knowledge Base". A search bar and a "Sign In" link are also present. The main content area is divided into two sections: "Explanation" and "Resolution". The "Explanation" section contains a note about the OSU VPN being a limited resource and a link to "VPN - When to Use". The "Resolution" section provides instructions for connecting to the VPN using the Cisco AnyConnect client, mentioning that installers are located at <https://oregonstate.box.com/v/cisco-vpn-clients>. It also links to "VPN - Who is Eligible for VPN Access?". For ONID users, it offers links for various operating systems: Windows, Mac, Linux, Android, Chromebook, and iPhone/iPad. An orange arrow points from the text "For this guide, we're going to click ‘VPN Setup for Windows.’" to the "VPN Setup for Windows" link in the Resolution section. The right sidebar lists other VPN setup guides for different devices and a section for attachments.

For this guide, we're going to click “VPN Setup for Windows.”

#### 4) Navigate to the box folder with the Cisco installers.

The screenshot shows a web browser window with two tabs: "Article - Guide: VPN Setup" and "Article - VPN - Setup for Windows". The main content is an article from Oregon State University's knowledge base. The title is "Guide: VPN Setup". The article has sections for "Explanation" and "Resolution". In the "Resolution" section, there is a note: "Note: You will need local administrator privileges to install the Cisco AnyConnect client." Below this, under "Install Cisco AnyConnect Client", there is a numbered list of steps. At the bottom of the resolution section, there is a yellow box containing a caution note: "Caution: If you see "sds.oregonstate.edu" in the server name, please change it to "vpn.oregonstate.edu". The URL in the address bar is https://oregonstate.box.com/v/cisco-vpn-clients.

You will be prompted to log in using your ONID SSO.

## 5) Select the second installer on the list

The screenshot shows a web browser window with three tabs open:

- Article - Guide: VPN Setup
- Article - VPN - Setup for Windows
- Cisco VPN Clients | Powered by Box

The main content area displays a list of Cisco VPN clients under the heading "Cisco VPN Clients". The list includes the following items:

Name	Updated	Size
4.9.01095	Nov 16, 2020 by Kirsten Petersen	11 Files
4.9.04043	Nov 16, 2020 by Kirsten Petersen	5 Files
Windows ARM64 - Cisco AnyConnect 4.9.04043.msi	Nov 17, 2020 by Kirsten Petersen	13.7 MB
<a href="#">Windows - Cisco AnyConnect 4.9.04043.msi</a>	Nov 17, 2020 by Kirsten Petersen	15.1 MB
MacOS Big Sur - Read me.boxnote	Nov 17, 2020 by Kirsten Petersen	2.1 KB
MacOS - Cisco AnyConnect 4.9.04043.dmg	Nov 16, 2020 by Kirsten Petersen	40.8 MB
Linux - Cisco Anyconnect 4.9.04043.tar.gz	Nov 16, 2020 by Kirsten Petersen	25.2 MB
release-notes-anyconnect-4-9.pdf	Sep 18, 2020 by Kirsten Petersen	759.8 KB

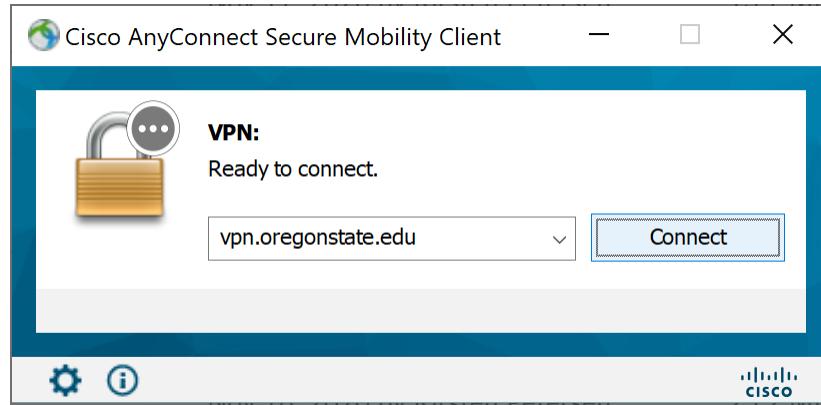
On the right side of the list, there are "Save Link" and "Download" buttons. Below the list, there is a "Details" section with the following information:

- Owner: OSU Folder Admin
- Created: Mar 2, 2020, 3:07 PM
- Modified: Nov 17, 2020, 2:00 PM
- Size: 594.9 MB

<https://oregonstate.app.box.com/v/cisco-vpn-clients/file/742610334883>

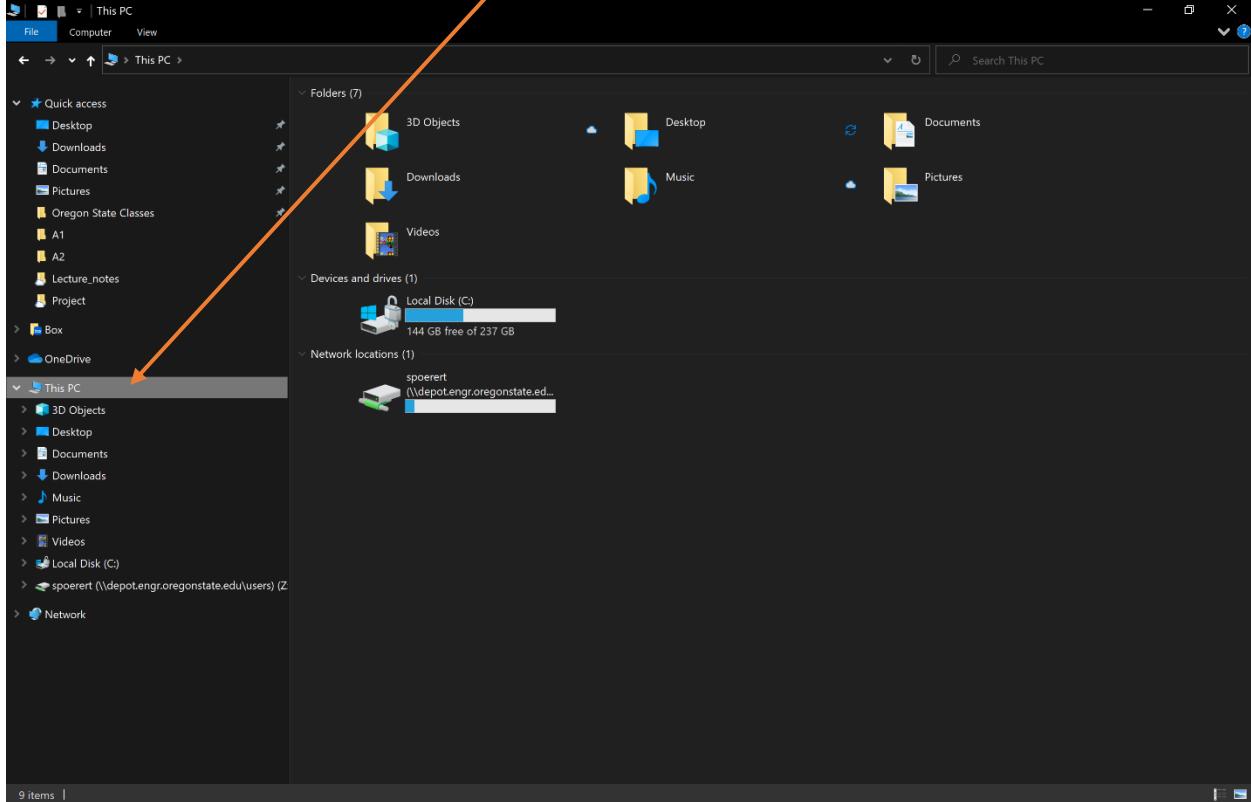
Use the second installer whether you have 64 bit architecture or 32 bit, don't use the ARM64 unless you know you have ARM64 architecture. It will give you an error message if you try to install it on a non-ARM system.

6) Install the Cisco client and run it. The following box should appear:

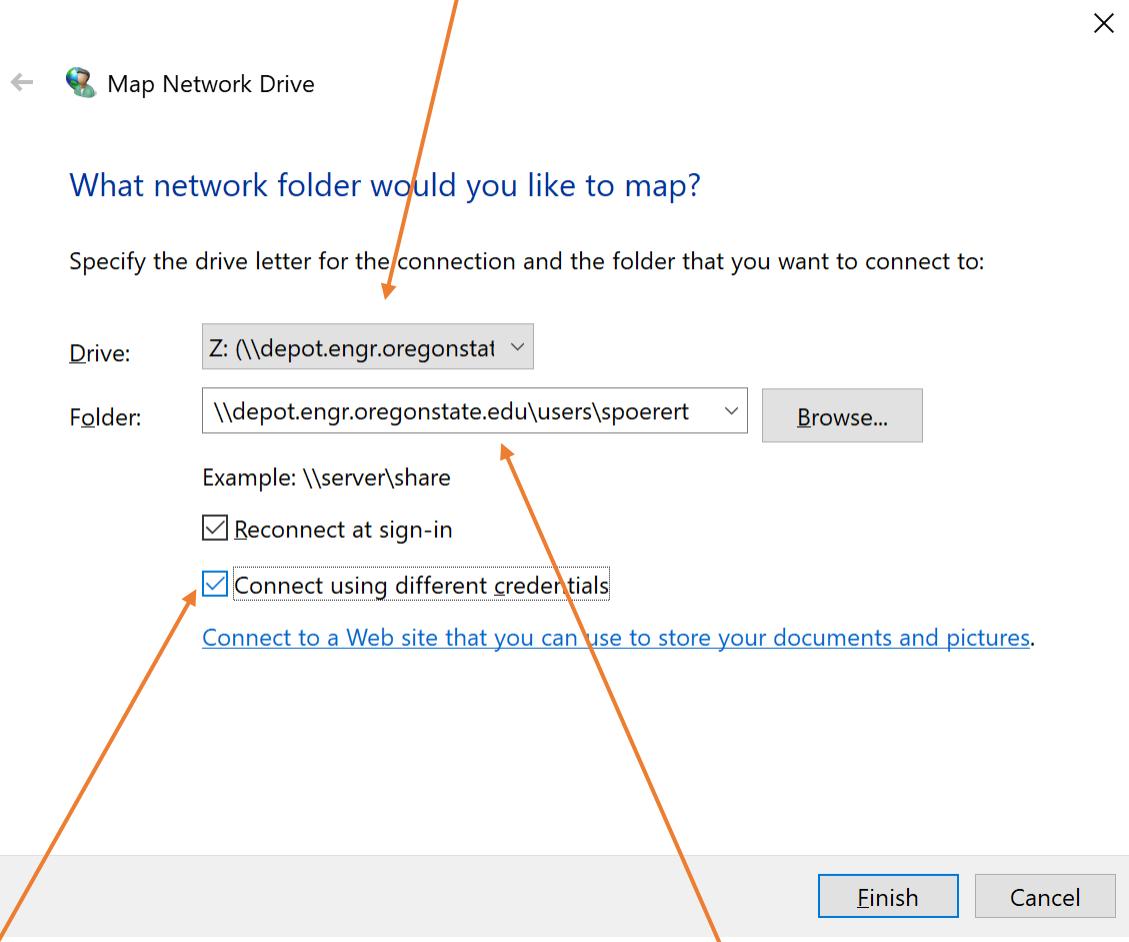


Type “vpn.oregonstate.edu” and click connect. You will be prompted to login with your ONID SSO. You’re now connected to the University’s network. But we need to do two other things first before we’re ready to run MCNP. First, we need a way to get files in and out of your user folder on the OSU network. We’ll mount your “Z: drive” in the next few steps.

7) Open file explorer. Right-click on “This PC” and select “Map network drive” from the menu that appears.



8) The following prompt appears. We commonly call this “the Z: drive” at OSU but in reality, you can select whatever letter drive you want this is totally arbitrary. Mine shows an address after the letter in the Drive drop-down box because it is already mounted on my PC.



Type the following into the Folder box: <\\depot.engr.oregonstate.edu\\users\\XXXX>

Where the "XXXX" is your ONID username. Make sure the "Connect using different credentials" box is checked. Click finish. You will be prompted to login with your ONID SSO. Now when you open file explorer, you should see your school folder listed on the left as long as the VPN is connected. Now we just need to install MobaXterm to use the NE/RHP computing cluster and CASMO4.

\*Create a folder in the Z: drive named “CASMO” to help my Moba tutorial easier to follow.

9) Open a web browser and navigate to:

[www.mobaxterm.mobatek.net/download.html](http://www.mobaxterm.mobatek.net/download.html)

The screenshot shows a web browser window displaying the MobaXterm download page at [www.mobaxterm.mobatek.net/download.html](http://www.mobaxterm.mobatek.net/download.html). The page compares two editions: Home Edition (Free) and Professional Edition.

**Home Edition** (Left):

- Free**
- Full X server and SSH support
- Remote desktop (RDP, VNC, Xdmcp)
- Remote terminal (SSH, telnet, rlogin, Mosh)
- X11-Forwarding
- Automatic SFTP browser
- Master password protection
- Plugins support
- Portable and installer versions
- Full documentation
- Max. 12 sessions
- Max. 2 SSH tunnels
- Max. 4 macros
- Max. 360 seconds for Tftp, Nfs and Cron

[Download now](https://mobaxterm.mobatek.net/download-home-edition.html)

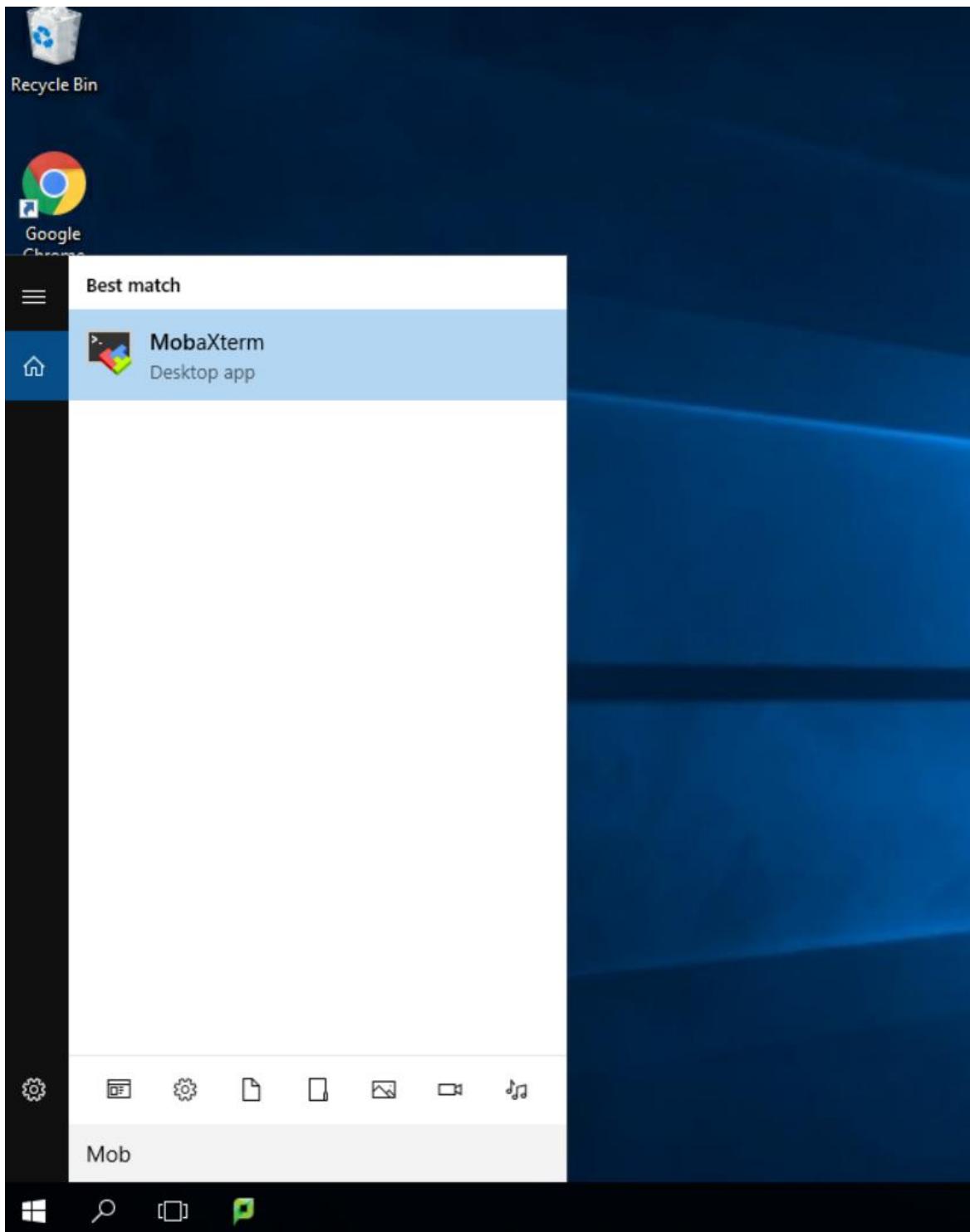
**Professional Edition** (Right):

- \$69 / 49€ per user\***
- \* Excluding tax. Volume discounts available
- Every feature from Home Edition +**
- Customize your startup message and logo
- Modify your profile script
- Remove unwanted games, screensaver or tools
- Unlimited number of sessions
- Unlimited number of tunnels and macros
- Unlimited run time for network daemons
- Enhanced security settings
- 12-months updates included
- Deployment inside company
- Lifetime right to use

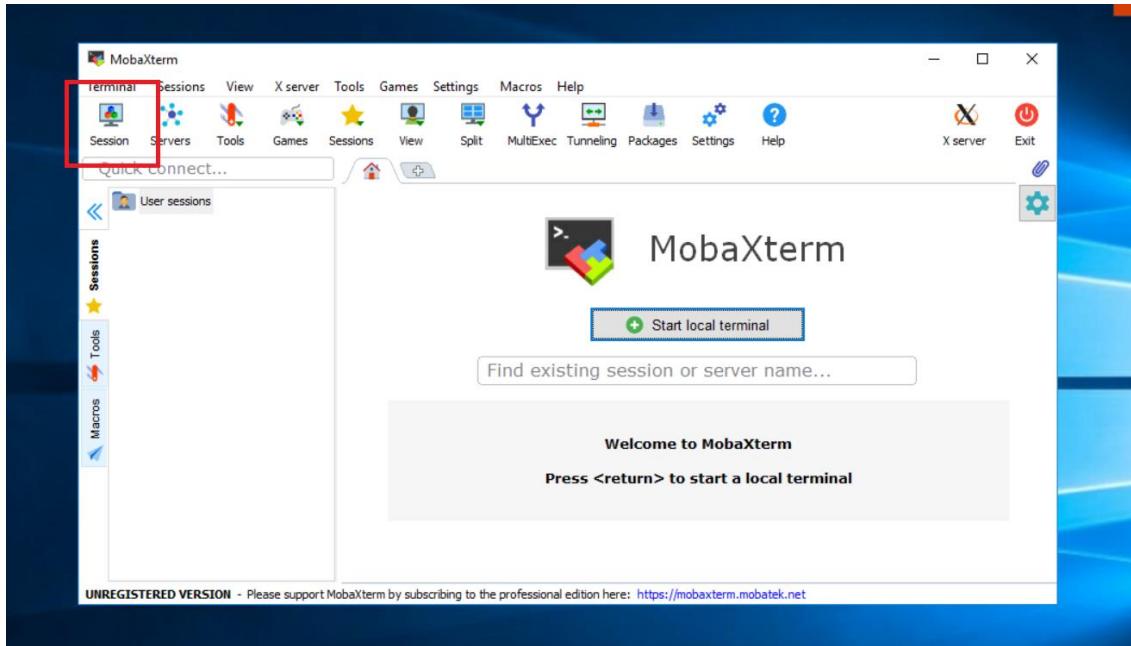
[Subscribe online / Get a quote](#)

Download and install the free edition. Run MobaXterm when complete.

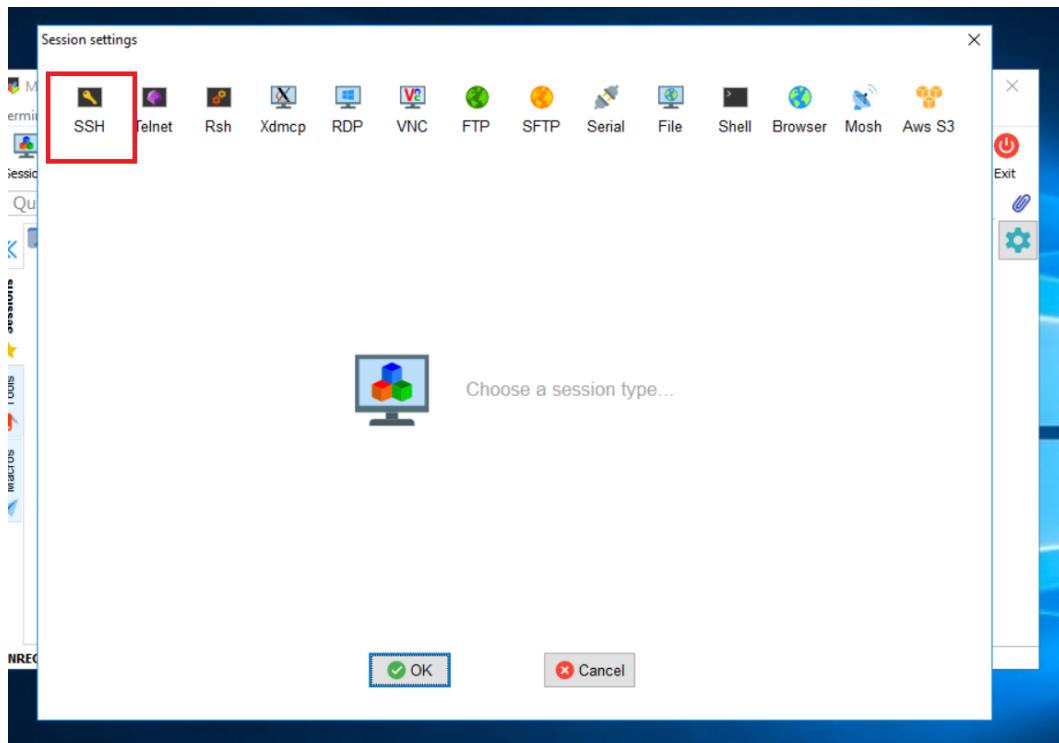
## 10) Open MobaXterm



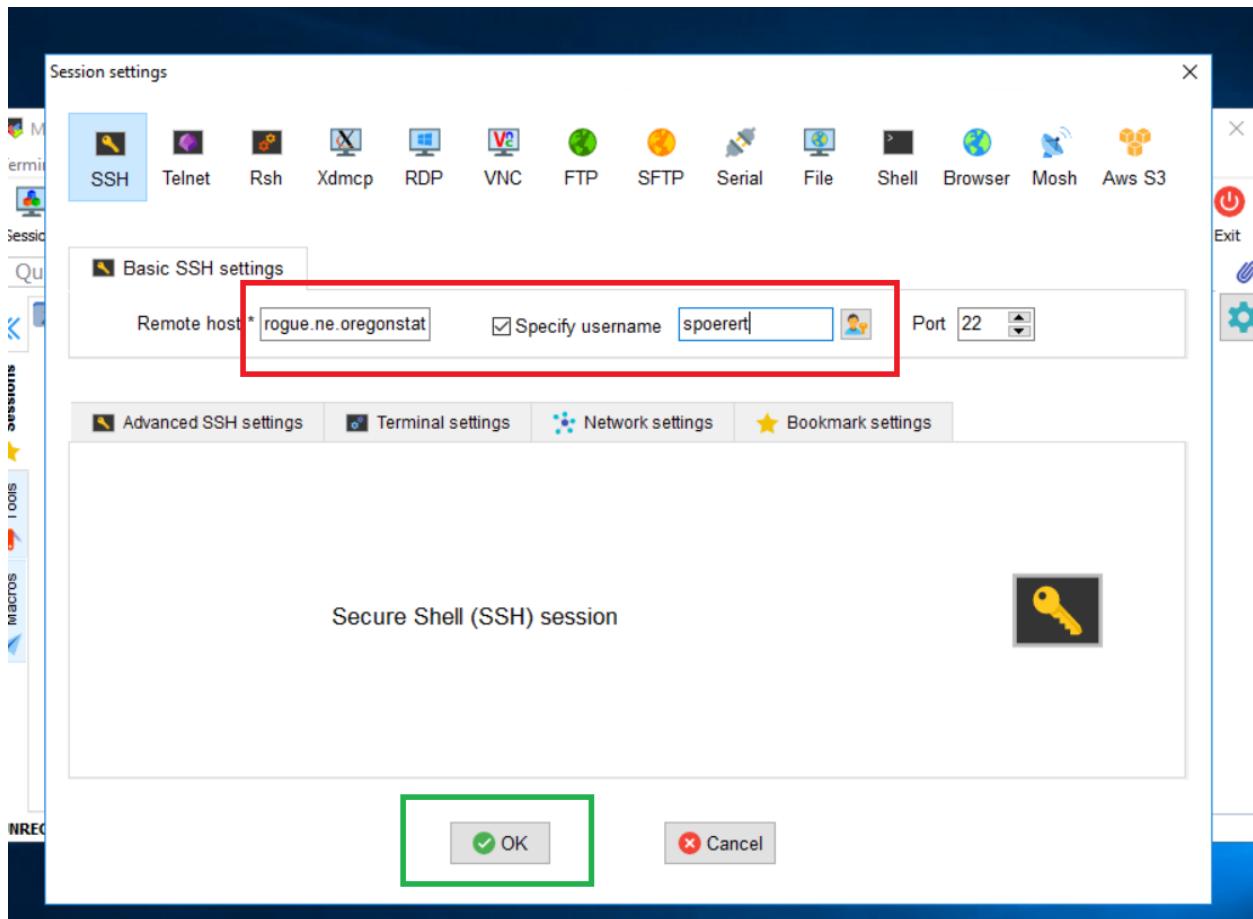
11) In the upper left hand of Moba, click “Session”



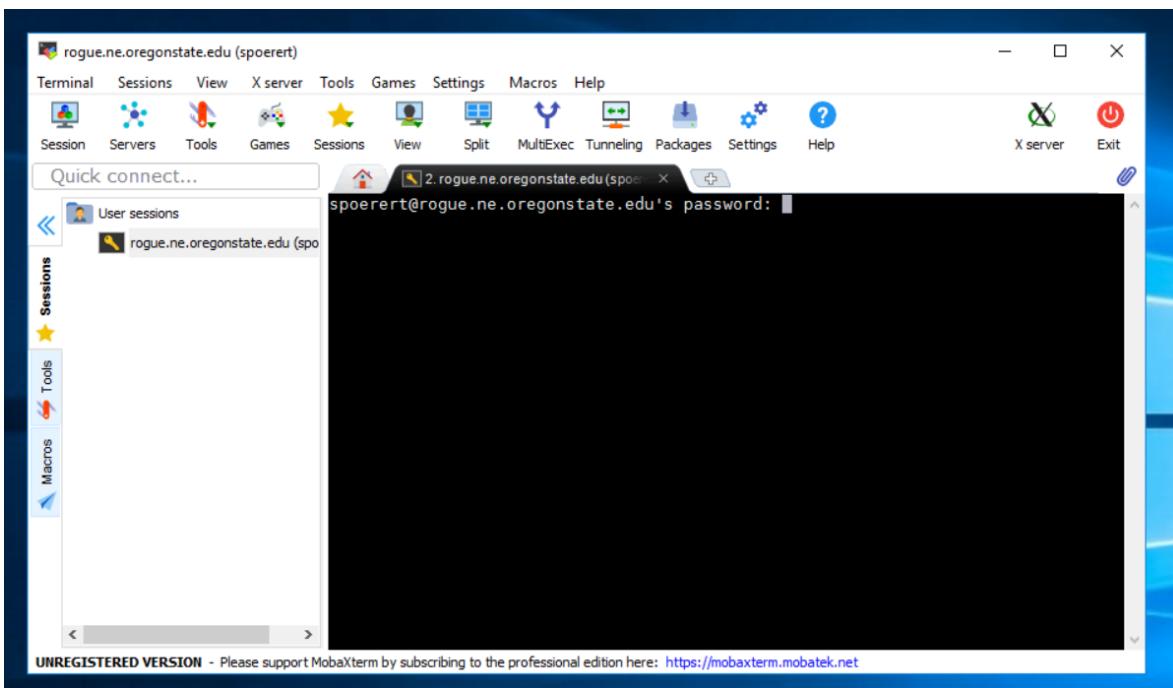
12) Click “SSH”



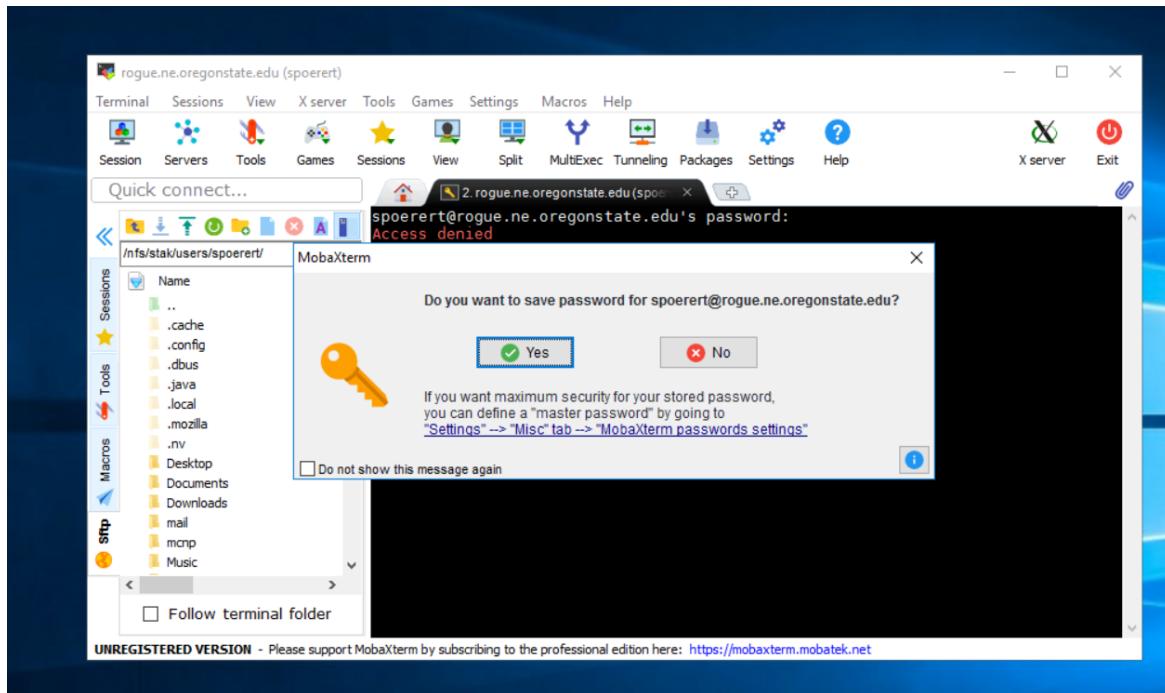
13) In the “Remote host” box type the following: **rogue.ne.oregonstate.edu**, check the box for “specify username.” enter your ONID username like so: **spoerert**



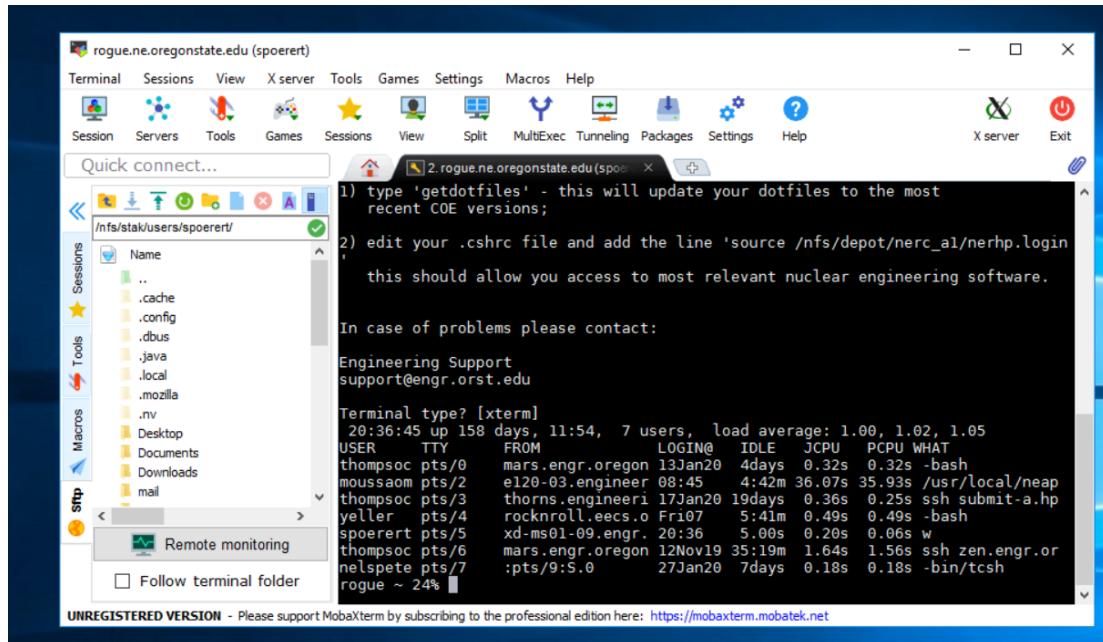
14) The following screen should appear. Type your ONID password and hit “Enter” on the keyboard. Note, the cursor on the screen will not move even though you are typing.



15) You can save your password if you want.



16) Hit “Enter” on the keyboard again and you should see the following:



17) You can type “ls” and hit enter to view directories:

```
Engineering Support
support@engr.orst.edu

Terminal type? [xterm]
16:04:42 up 170 days, 7:22, 4 users, load average: 0.04, 0.12, 0.09
USER    TTY      FROM          LOGIN@    IDLE     JCPU    PCPU WHAT
thompsoc pts/0    mars.engr.oregon 13Jan20  7days  0.32s  0.32s -bash
spoerert pts/2    xd-ms04-06.engr. 16:04   2.00s  0.15s  0.01s w
thompsoc pts/6    mars.engr.oregon 12Nov19  2:08m  1.94s  1.86s ssh zen.engr.oregonstate.edu
nelspete pts/7    :pts/9:5.0    27Jan20  6days  0.21s  0.21s -bin/tcsh
rogue ~ 48% ls
Desktop    Downloads  mcnp  perl5    Public      Templates Windows.Documents
Documents  mail      Music  Pictures  public_html  Videos
rogue ~ 49% █
```

18) Type “cd CASMO” and hit enter to end up in the correct directory. Us “ls” to see files in the CASMO folder. Move input files into this folder by copying them to your Z: drive.

19) To run a file, type “casmo4e” space, then the file input such as “test.imp” Hit enter and casmo4 will run the file.