

# Academic VPN Cheat Sheet

This is a document that describes the steps to connect to the Academic VPN. This service allows remote users (generally faculty) to connect to the campus and obtain campus-only based services. Traffic will not return to the Internet via this VPN connection (this is not an anonymizing VPN). This VPN requires an App to operate.

## Setting up your VPN:

- Your Group is NMT
- Your Username is your 900#
- Your Password is your Academic Lab Password
- A Windows (Win7 and up), Macintosh (10.11 and up), and Linux (RedHat 6&7, Ubuntu 16.04 LTS, and 18.04 LTS, and probably others)<sup>1</sup>
  - iPhones, iPads, and Android devices see directly below.

**Note for iPhone, iPad, Chromebook, and Android devices<sup>2</sup>:** you must download the “Cisco AnyConnect” VPN client from your appropriate store for your device:

Apple App Store or Google Play Store or Chromebook Web Store

## Summary of Steps to use the Academic VPN:

- Get the AnyConnect Client (via <https://nmtvpn.nmt.edu>, with Academic Lab account username/password)
- Install Client
- Connect to Academic VPN with the AnyConnect client (server is nmtvpn.nmt.edu)
- Login (to Group NMT) with your Academic Lab login and password.

**Detailed steps for Windows are contained in the following pages. Mac instructions are similar to the windows process. Linux instructions should be forthcoming.**

**Appendix A contains information about Linux and Macintosh compatibility with the VPN client.**

**Appendix B contains steps for iPhones, iPads, Android Devices and Chromebooks.**

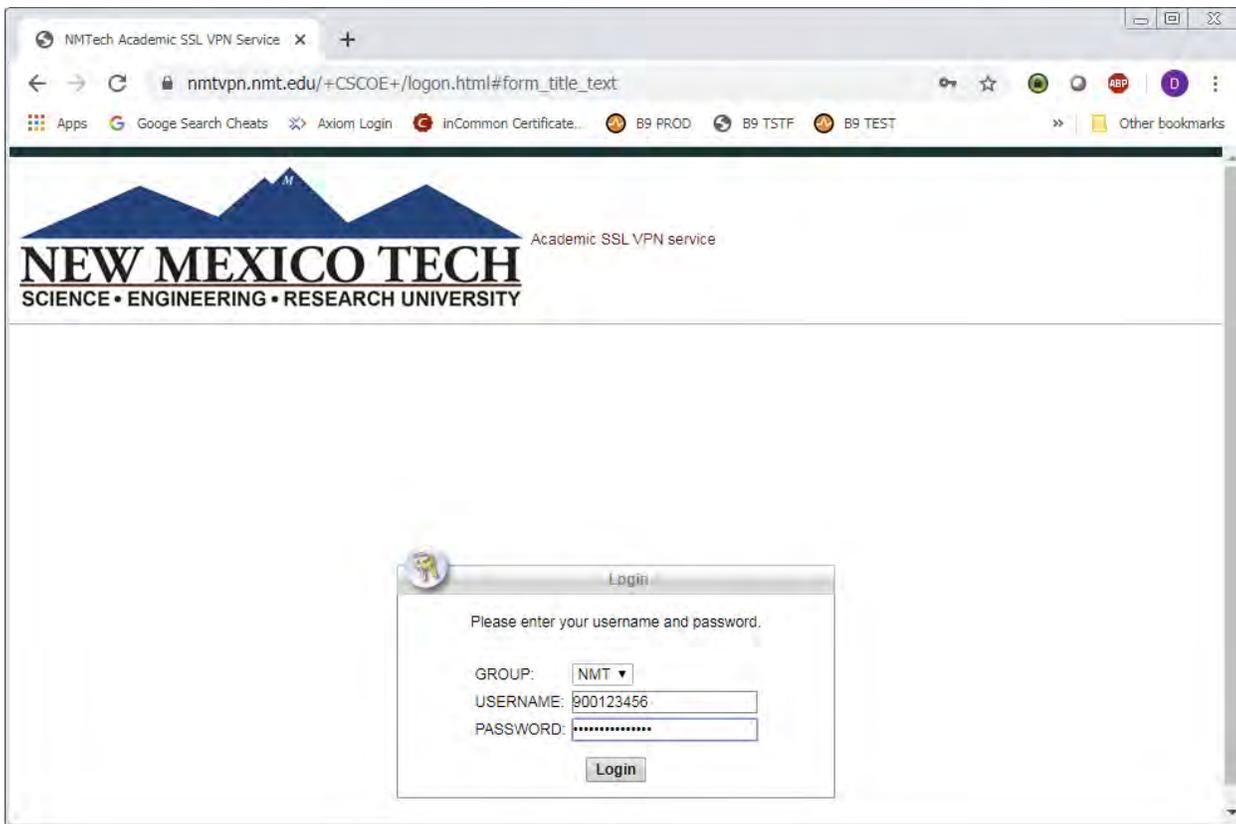
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<sup>1</sup> See the Appendix A for Mac and Linux Requirements

<sup>2</sup> See Appendix B for more information on iDevices, Android devices and Chromebooks.

## Windows (shown here), Mac or Linux Client Download and installation:

First we need to go to <https://nmtvpn.nmt.edu> with Chrome or Firefox (**never MS Edge**, but Safari and Internet Explorer should work):

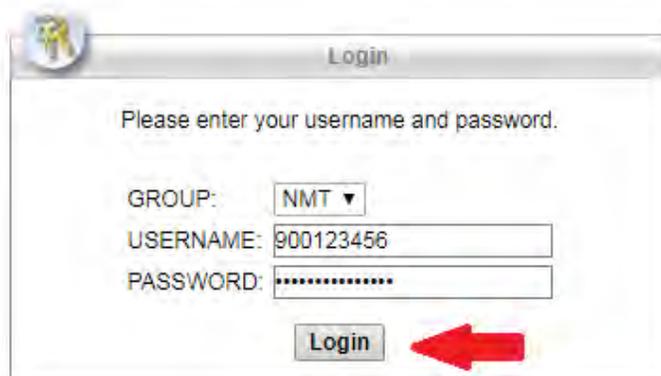


Set the Group to be NMT

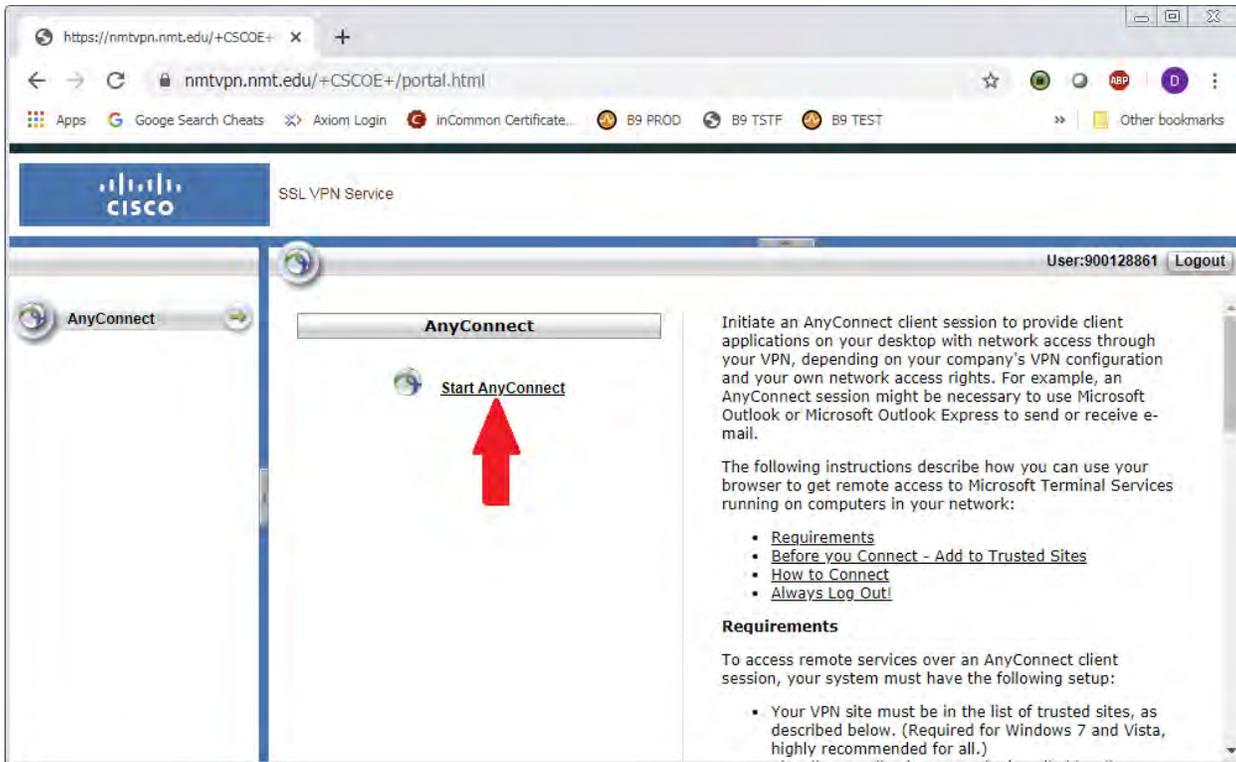
Use **your** 900# (eg 900123456) as the USERNAME.

The password is your Academic Lab password

So it might look something like this:



Then you should get the “Logged in Webpage” so you can download your VPN software. It should look like this. Select AnyConnect:



The screenshot shows a web browser window with the URL <https://nmtvpn.nmt.edu/+CSCOE+/portal.html>. The page is titled "SSL VPN Service" and features the Cisco logo. A navigation bar at the top right shows "User:900128861" and a "Logout" button. On the left, there is a sidebar with an "AnyConnect" link. The main content area has a heading "AnyConnect" and a link "Start AnyConnect" with a red arrow pointing to it. To the right of the link, there is a text block explaining the purpose of the AnyConnect client session and providing instructions for remote access to Microsoft Terminal Services. Below this, there are sections for "Requirements" and "Requirements" (repeated), detailing the system setup needed for remote access.

Initiate an AnyConnect client session to provide client applications on your desktop with network access through your VPN, depending on your company's VPN configuration and your own network access rights. For example, an AnyConnect session might be necessary to use Microsoft Outlook or Microsoft Outlook Express to send or receive e-mail.

The following instructions describe how you can use your browser to get remote access to Microsoft Terminal Services running on computers in your network:

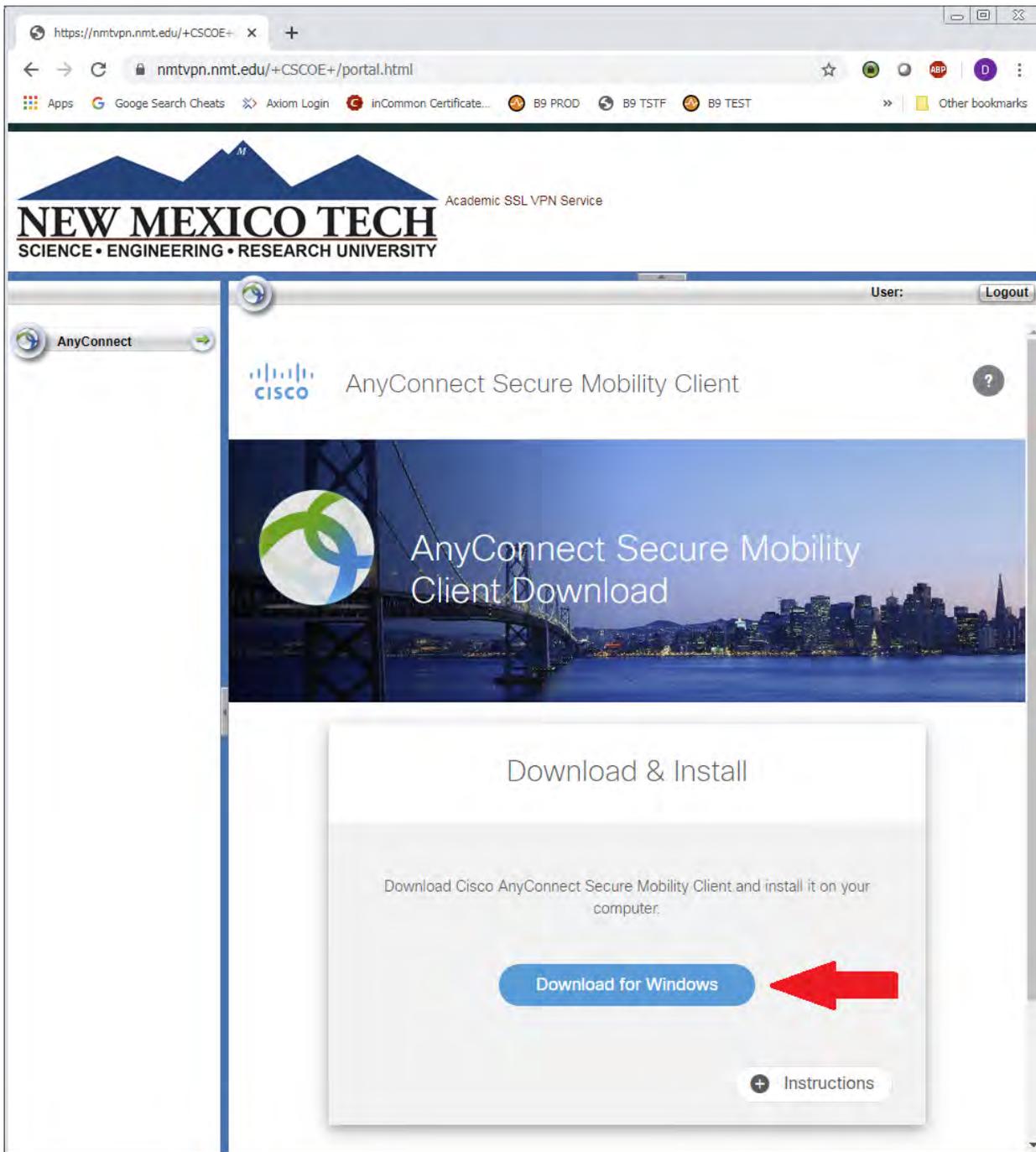
- [Requirements](#)
- [Before you Connect - Add to Trusted Sites](#)
- [How to Connect](#)
- [Always Log Out!](#)

**Requirements**

To access remote services over an AnyConnect client session, your system must have the following setup:

- Your VPN site must be in the list of trusted sites, as described below. (Required for Windows 7 and Vista, highly recommended for all.)

There may be a Brief (depending on the speed of your computer and Internet connection, not so brief) delay while it detects your system type (Windows/Linux/Mac/iPad/etc) then you should get this page. Select Download for <your system type>. In this case Download for Windows:



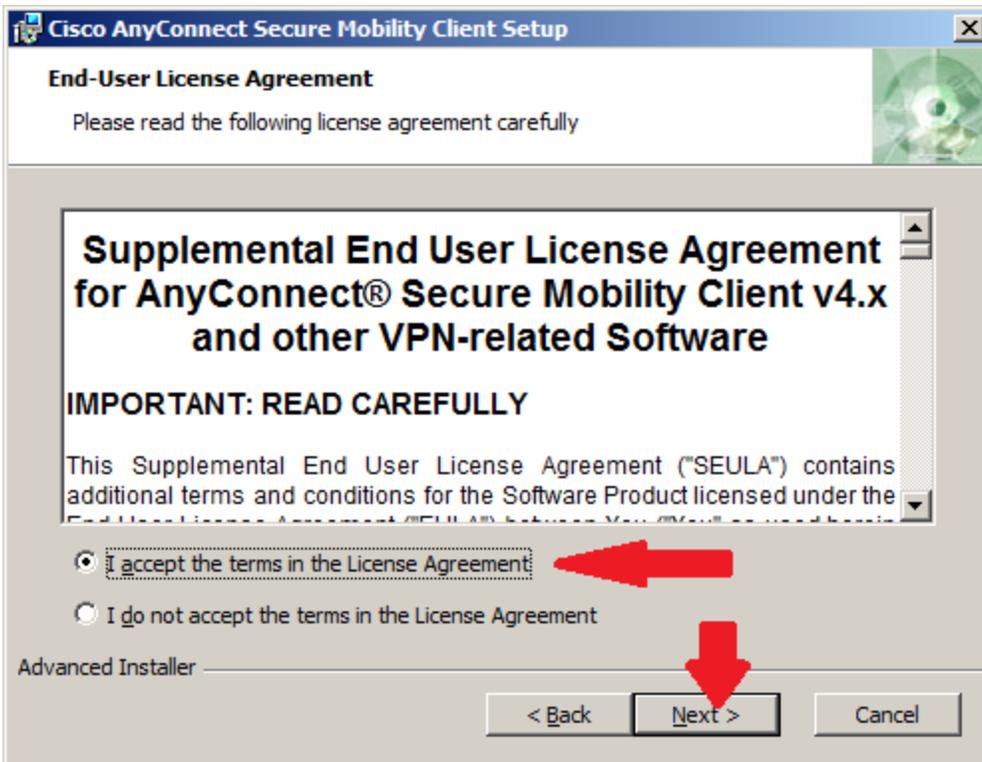
The screenshot shows a web browser window displaying the Cisco AnyConnect Secure Mobility Client download page. The browser's address bar shows the URL `https://nmtvpn.nmt.edu/+CSCOE+/portal.html`. The page header includes the New Mexico Tech logo and the text "Academic SSL VPN Service". Below the header, there is a navigation bar with "AnyConnect" and "Logout" links. The main content area features a large banner with the Cisco AnyConnect logo and the text "AnyConnect Secure Mobility Client Download". Below the banner, a central box titled "Download & Install" contains the instruction: "Download Cisco AnyConnect Secure Mobility Client and install it on your computer." A prominent blue button labeled "Download for Windows" is highlighted with a red arrow pointing to it. Below this button is a smaller button labeled "+ Instructions".

Once it is downloaded, you should install the software. So run the anyconnect installer that you just downloaded.

Once you start the installer you should see this (This is the windows version of the installer so your images may vary, but it should get you through).



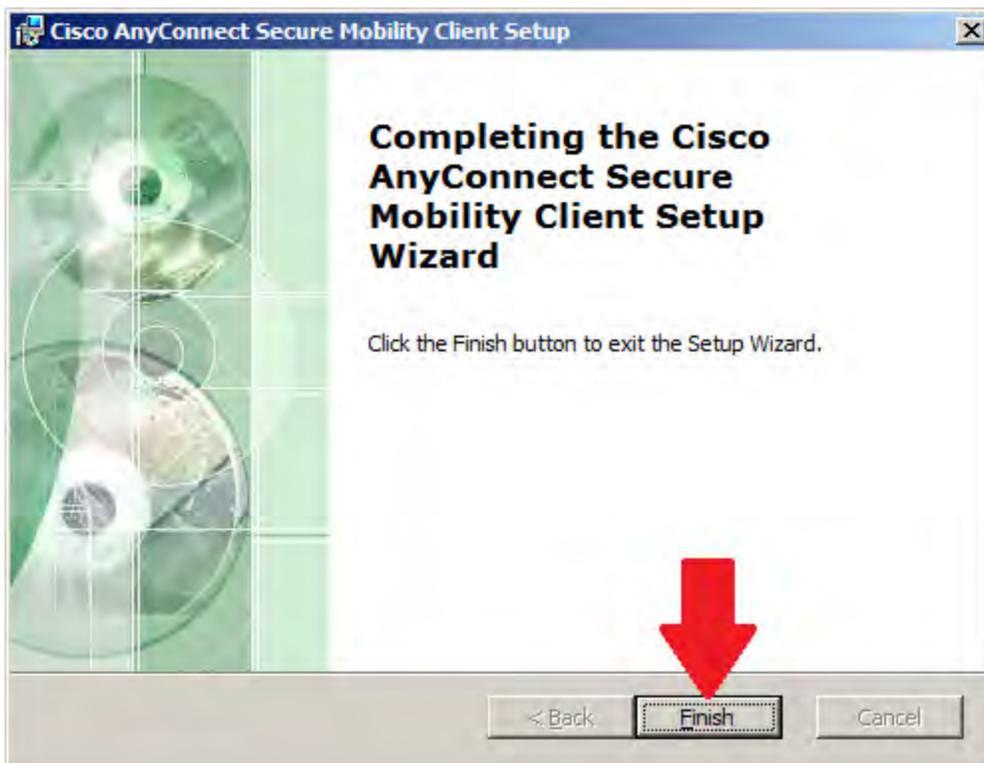
Next you'll see the License agreement. Accept and click Next:



Now click Install. After you do a Pop UP may appear to say "Do you really want to run this?" Click OK or otherwise proceed (say yes)



After the Popup that you proceeded on and the install completes you'll see something like this. Click Finish to complete your installation.



You are now down with the VPN installation.

## Running the VPN software

### Connecting the VPN

Find the Cisco Anyconnect Secure Mobility Client in:

Windows: Your Start Menu

Macintosh: In your Apps folder, Perhaps in a Cisco Directory.

Run the Client. You should get something like this:



Enter in "nmtvpn.nmt.edu" into the text box and click "Connect":

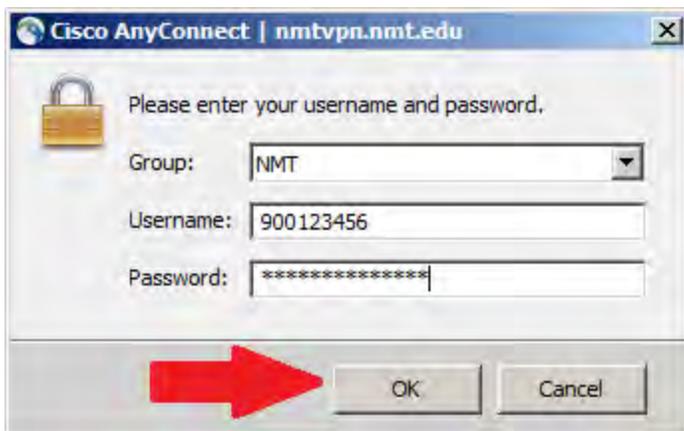


Select "NMT" for the Group (like before).

Now enter your Academic Lab login information which is your 900# (eg 900123456) and your password in the appropriate fields:

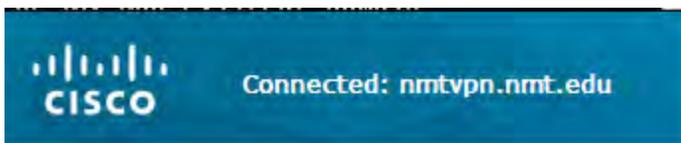


For example:



Now click "OK" to connect.

You should get a final dialog that looks like this:



Success! You have now connected your VPN.

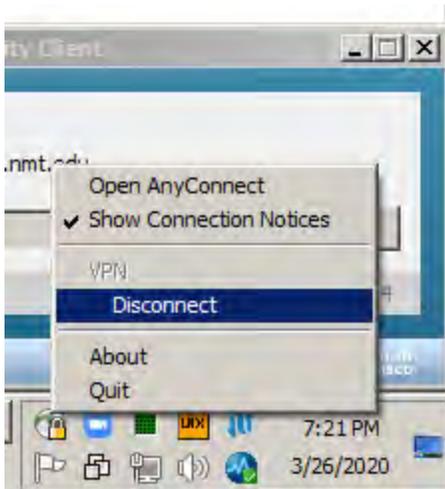
## Disconnecting the VPN:

You should always disconnect the VPN when you are done with it. Not doing so may inhibit your ability to reconnect as you get a limited number of sessions. Also it is a security concern to leave your VPN running when you are not using it.

To disconnect the VPN look for the AnyConnect icon in the icon bar in the lower left (or on a Mac it could be up on the top near the WiFi):



Right Click it and choose disconnect:



## Appendix A - Compatibility for Linux / macOS

Complete Cisco Release notes for AnyConnect v4.8

[https://www.cisco.com/c/en/us/td/docs/security/vpn\\_client/anyconnect/anyconnect48/release/notes/b\\_Release\\_Notes\\_AnyConnect\\_4\\_8.pdf](https://www.cisco.com/c/en/us/td/docs/security/vpn_client/anyconnect/anyconnect48/release/notes/b_Release_Notes_AnyConnect_4_8.pdf)

[https://www.cisco.com/c/en/us/td/docs/security/asa/compatibility/asa-vpn-compatibility.html#id\\_120239](https://www.cisco.com/c/en/us/td/docs/security/asa/compatibility/asa-vpn-compatibility.html#id_120239)

### **AnyConnect Support for Linux**

Linux Requirements

- The Snap version of Firefox is not supported by AnyConnect on Linux. Mozilla's Firefox is the officially supported browser on Linux.
- x86 instruction set.
- 64-bit processor.
- 32 MB RAM.
- 20 MB hard disk space.
- Superuser privileges are required for installation.
- network-manager
- libnm (libnm.so or libnm-glib.so)
- libstdc++ users must have libstdc++.so.6(GLIBCXX\_3.4) or higher, but below version 4.
- Java 5 (1.5) or later. The only version that works for web installation is Sun Java. You must install Sun Java and configure your browser to use that instead of the default package.
- zlib - to support SSL deflate compression
- xterm - only required if you're doing initial deployment of AnyConnect via Weblaunch from ASA clientless portal.
- gtk 2.24
- webkitgtk+ 2.10 or later, required only if you are using the AnyConnect embedded browser app
- iptables 1.2.7a or later.
- tun module supplied with kernel 2.4.21 or 2.6.

### **AnyConnect Support for macOS**

macOS Requirements

- AnyConnect requires 50MB of hard disk space.
- To operate correctly with macOS, AnyConnect requires a minimum display resolution of 1024 by 640 pixels.

macOS Guidelines

AnyConnect 4.8 for macOS has been notarized, and installer disk images (dmg) have been stapled

## Appendix B - Info iDevices, Android Devices and Chromebooks

### iPhone / iPad:

This is the app you want (take the latest version, they are backward compatible generally).

Download the App and run it.



### Cisco AnyConnect

New Cisco AnyConnect

★★★★☆ 761

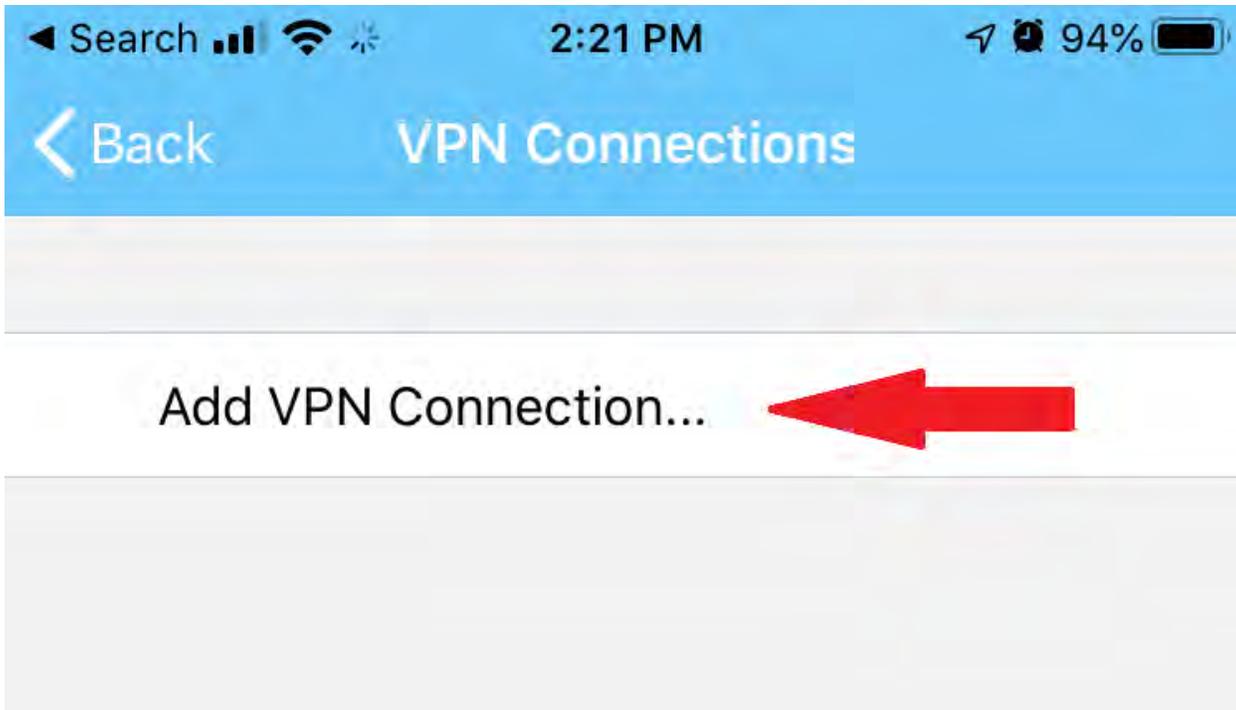
OPEN



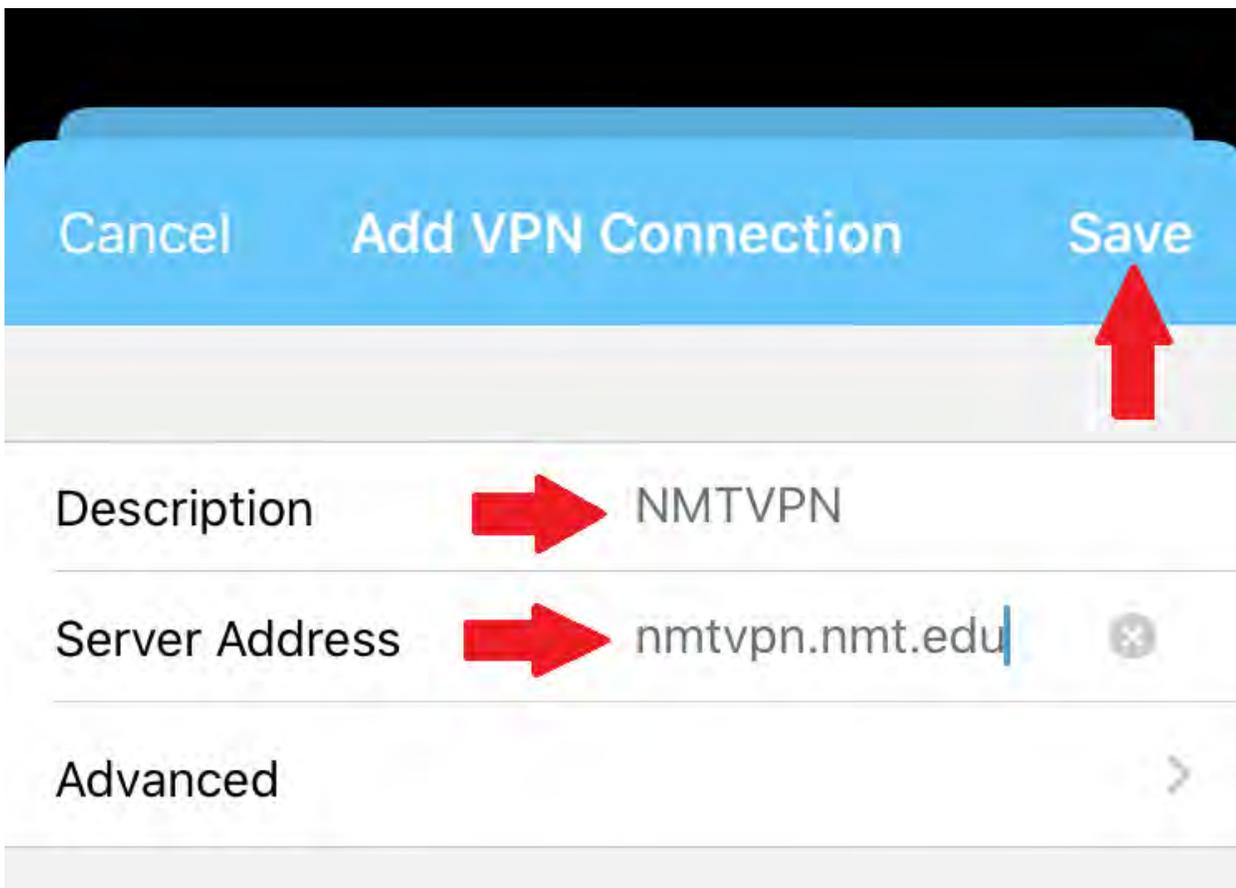
Unless you had the software already, you should have no connections. Select the Connection (or in this case No Connections) to add a new one:



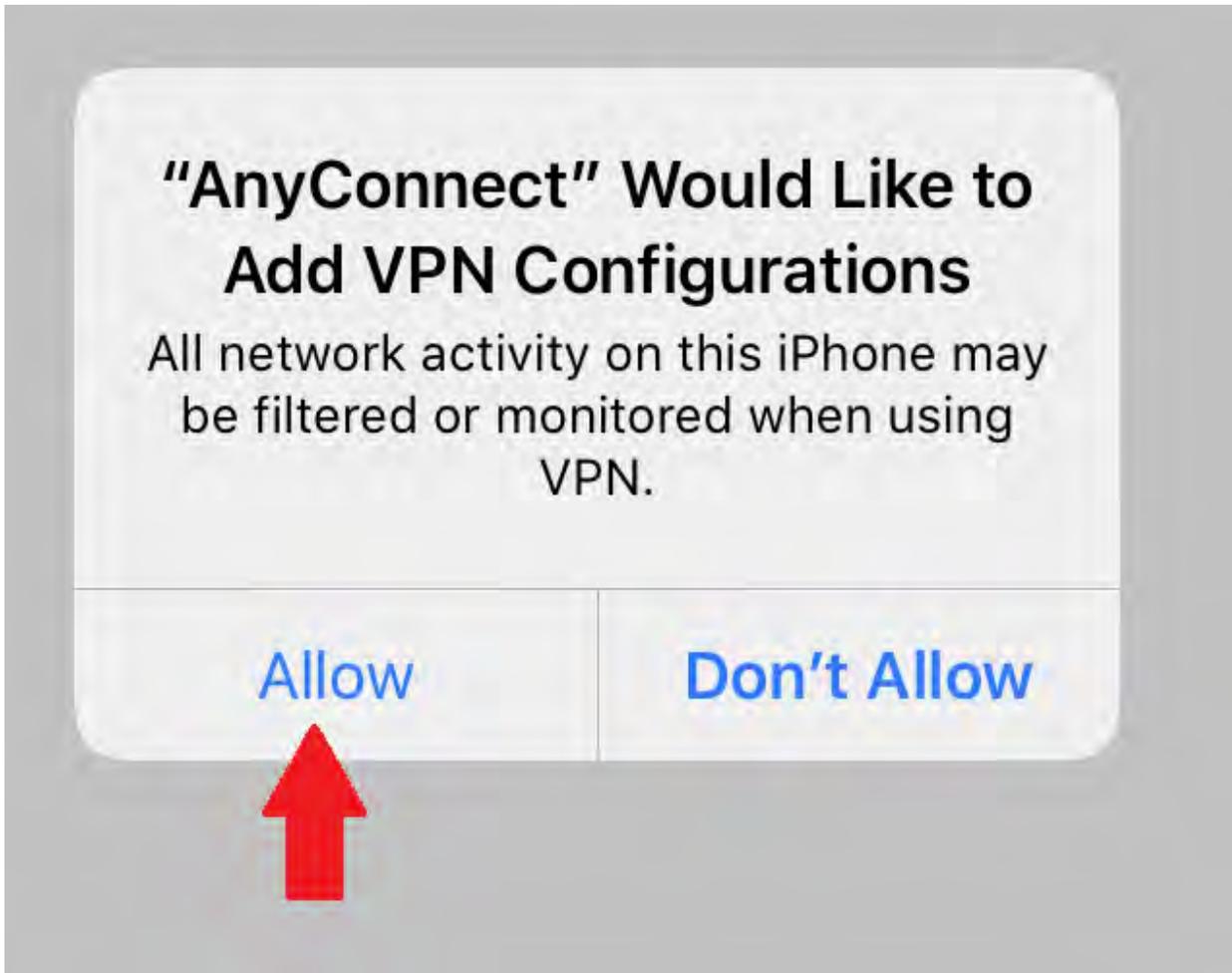
Go ahead and add a connection:



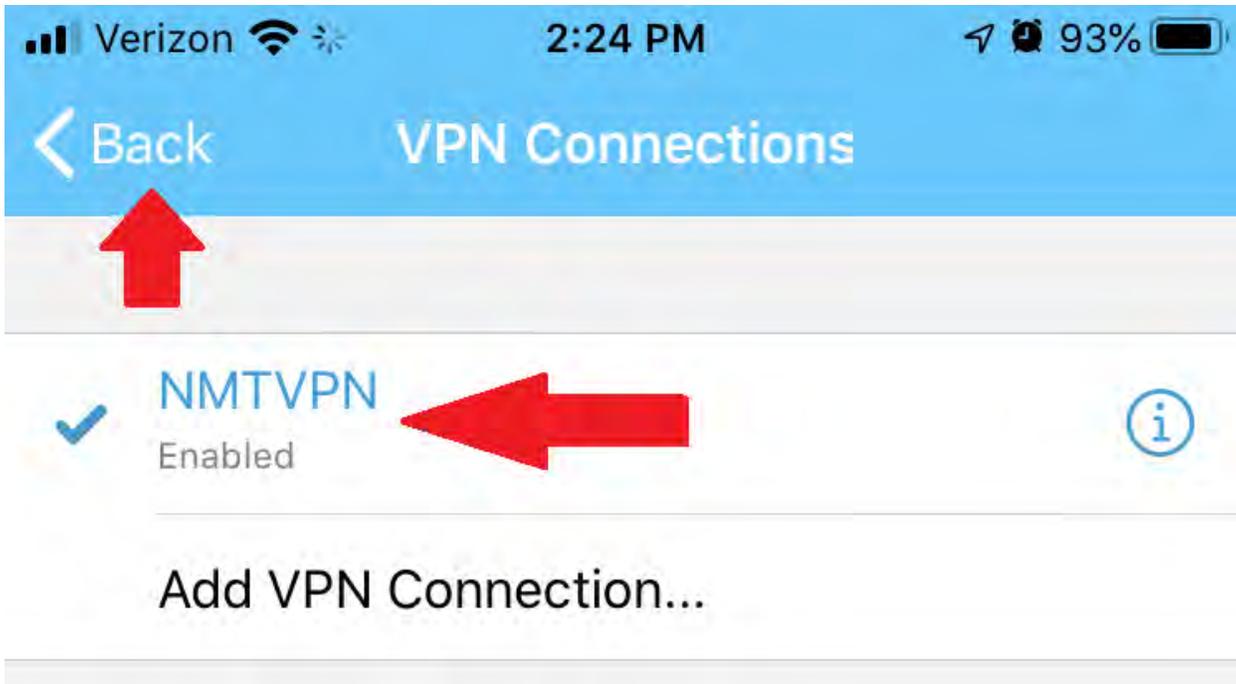
Fill in the Description with NMTVPN and the Server Address with nmtvpn.nmt.edu and Save.



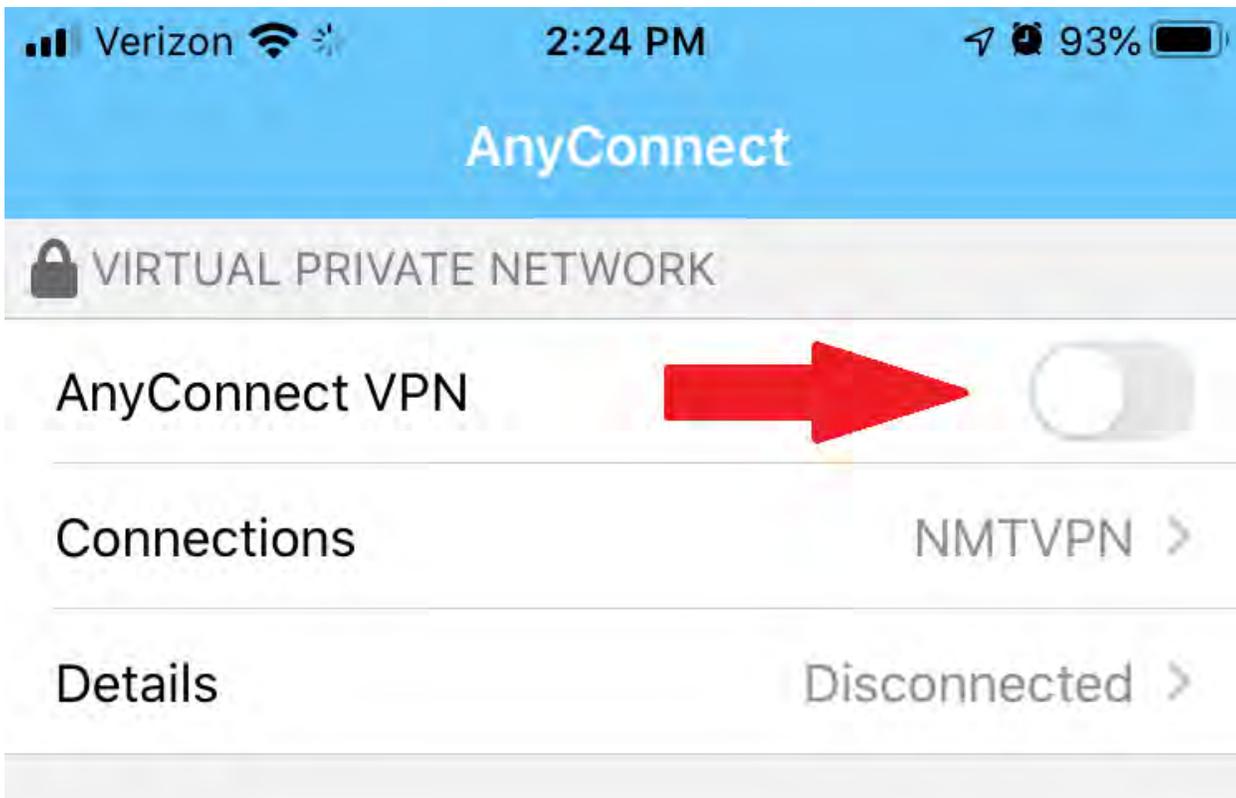
It will ask you to save the VPN connection to the system. It may ask you for your PIN or Fingerprint at this point as well.



You should now have an “Enabled” connection (with a check mark). You can now use it. Click [Back](#).



You can now turn on the connection using the AnyConnect VPN slider.

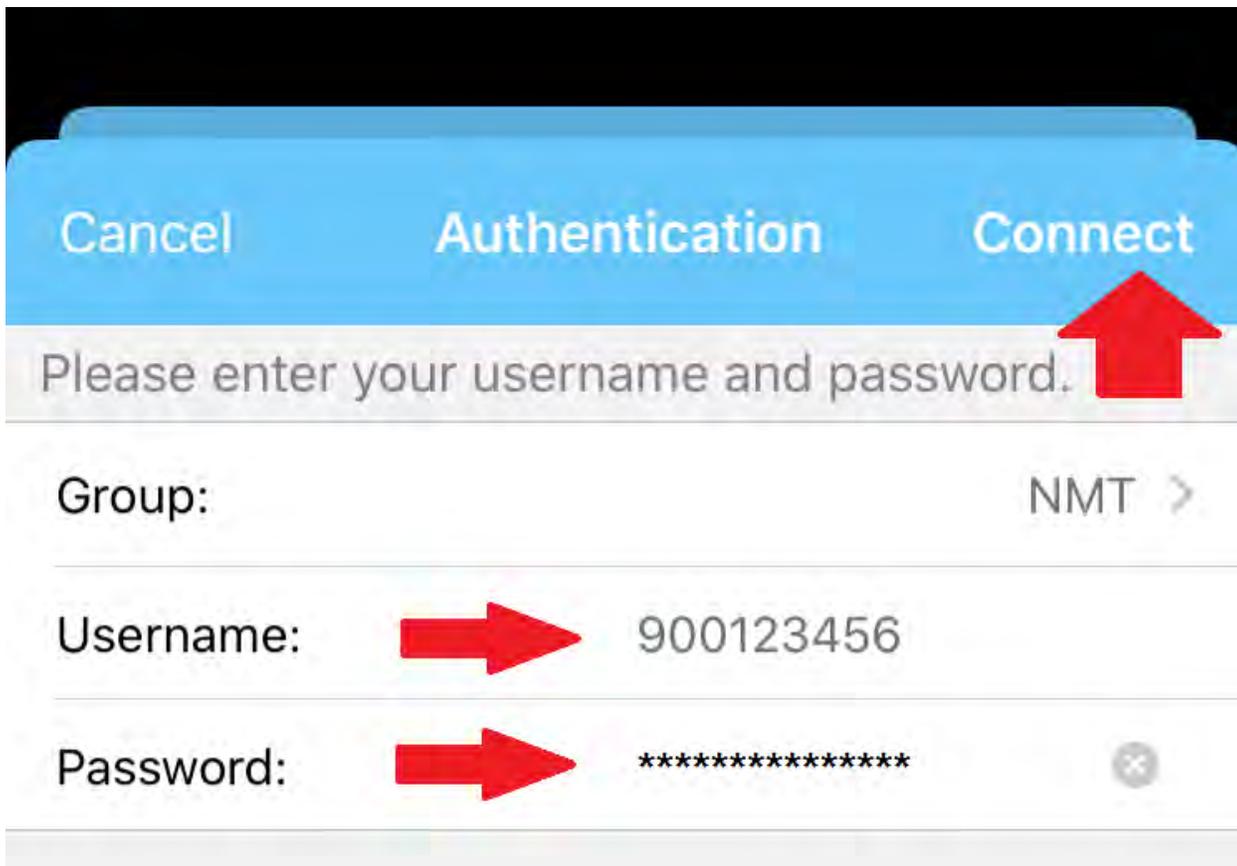


It will now ask you for your Username and Password.

Your Username is your 900#.

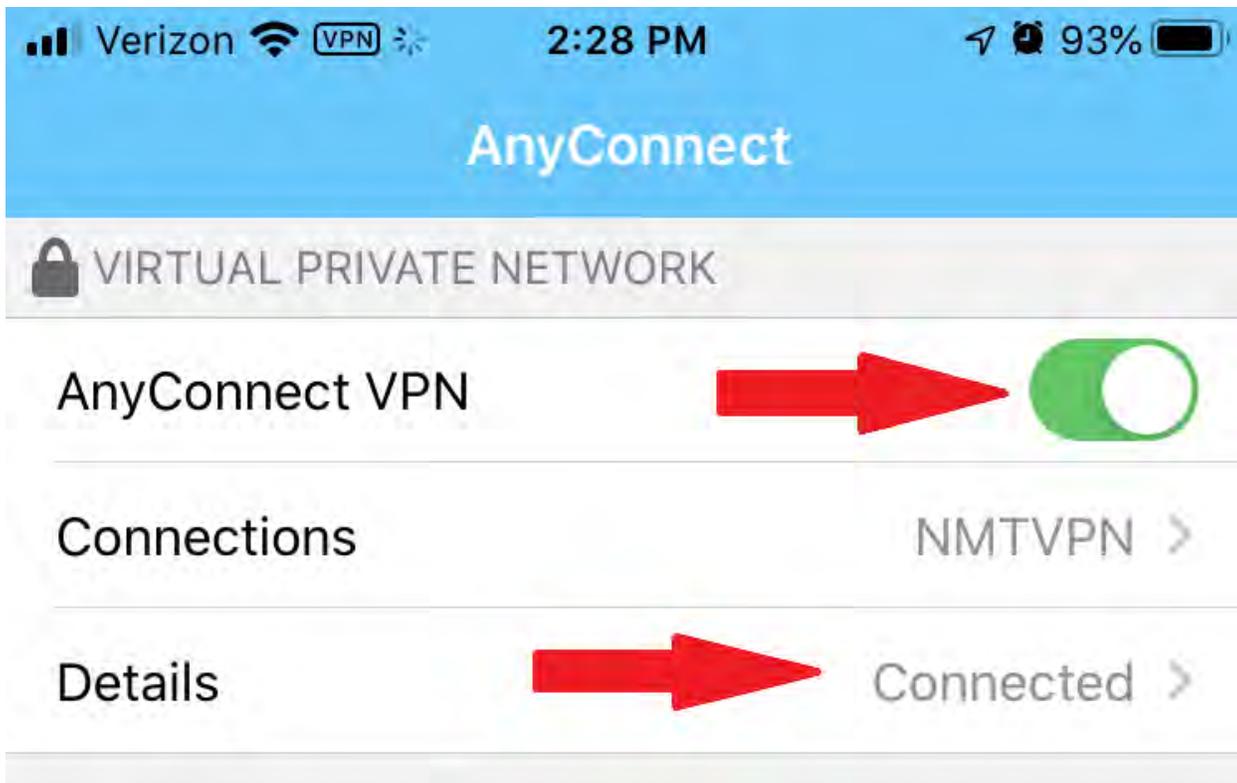
Your Password is your **Academic Lab** password.

Click Connect.



The image shows a mobile-style authentication dialog box. At the top, there is a blue header bar with three buttons: "Cancel", "Authentication", and "Connect". A red arrow points to the "Connect" button. Below the header, a grey bar contains the text "Please enter your username and password." with a red arrow pointing to the text. The main area of the dialog is white and contains three input fields. The first field is labeled "Group:" and has the value "NMT" with a right-pointing chevron. The second field is labeled "Username:" and has the value "900123456", with a red arrow pointing to the input area. The third field is labeled "Password:" and has the value "\*\*\*\*\*", with a red arrow pointing to the input area and a grey "x" icon to its right. The dialog has rounded corners and a subtle drop shadow.

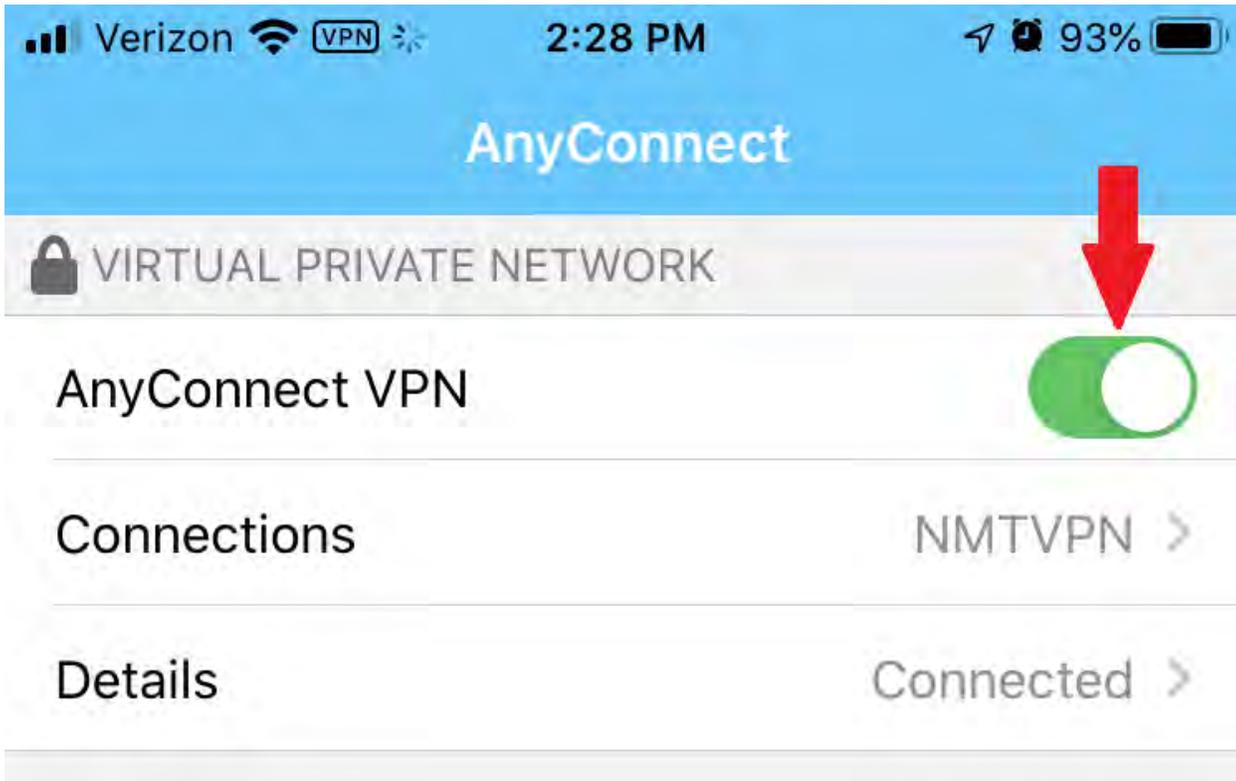
Assuming it all went well you should be connected:



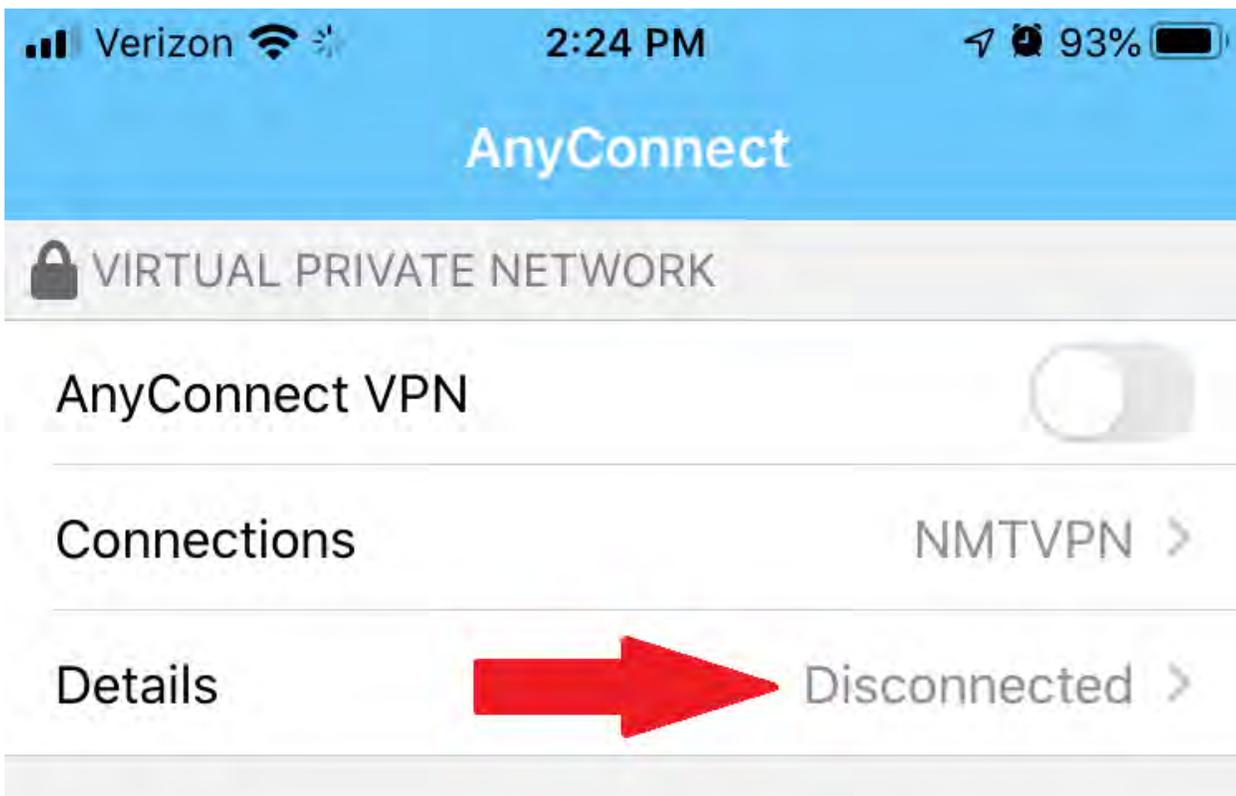
You can use your VPN to access on-campus resources. Non-NMT resources are still accessed via your normal Internet connection (also known as Split Tunnel, if you care).

Remember you should always disconnect whenever you are not using NMT resources:

Select the AnyConnect VPN slider to move to the OFF position:



You are now disconnected:



## Android:

First Download the App:

1:21    

 4G+  

← anyconnect



**AnyConnect**  
Cisco Systems, Inc.

**Install**

4.2★

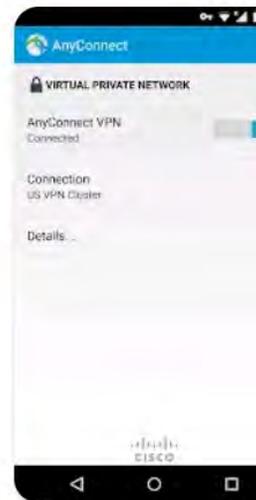
9K reviews

1M+

Downloads

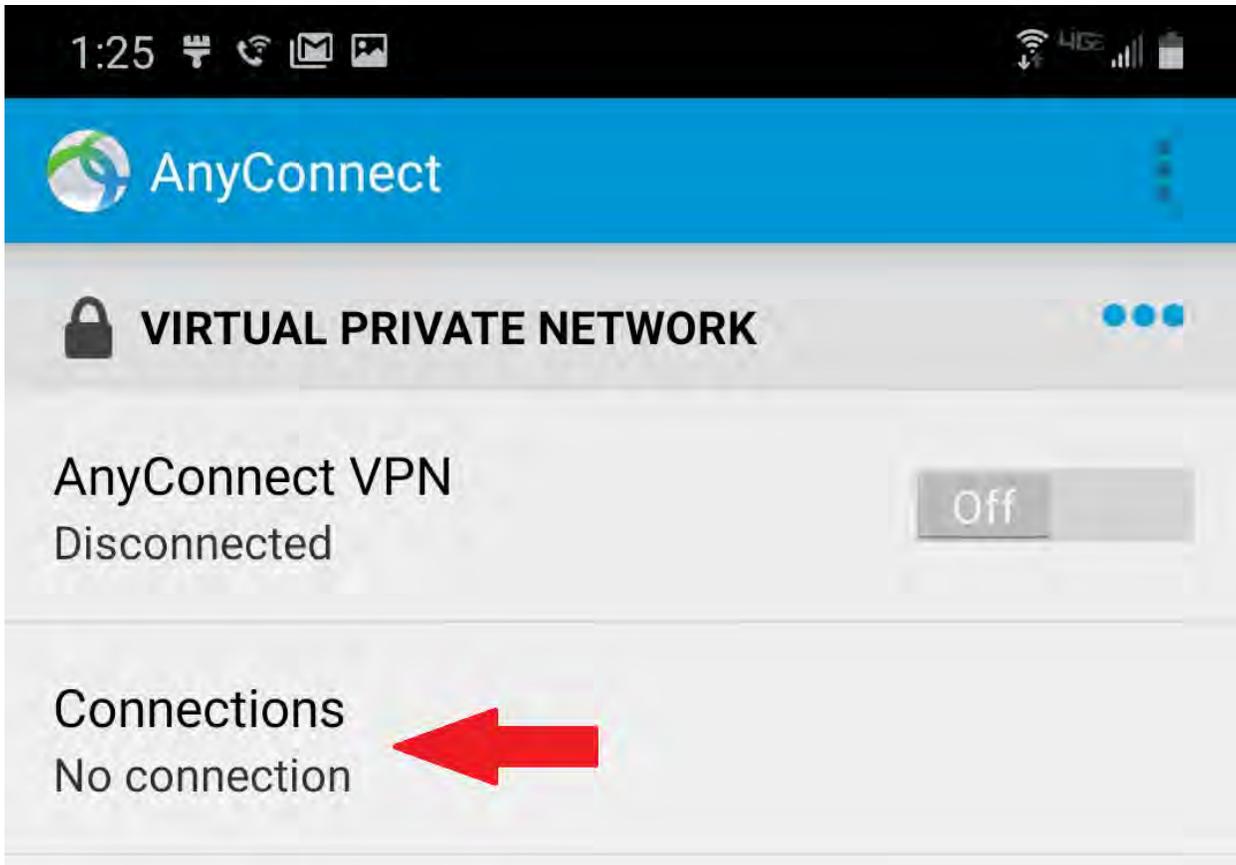
**E**

Everyone ⓘ

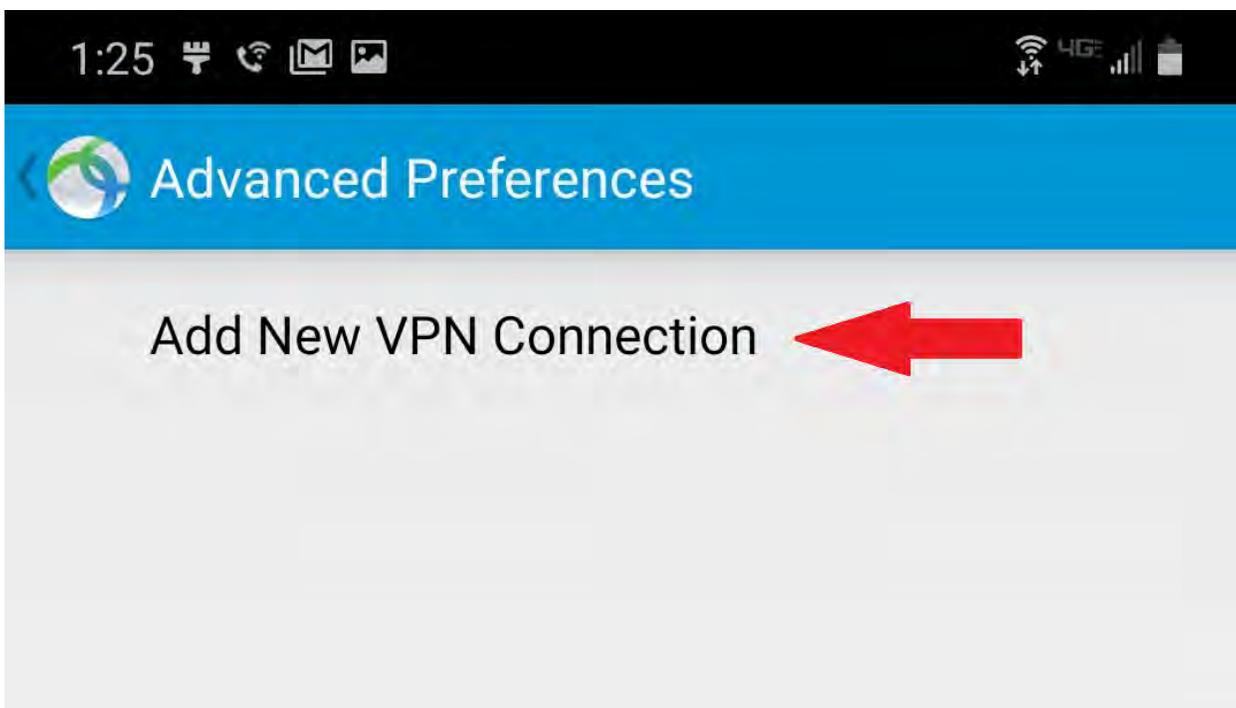


For Android 4.0+ and later devices. Connect to your network with AnyConnect.

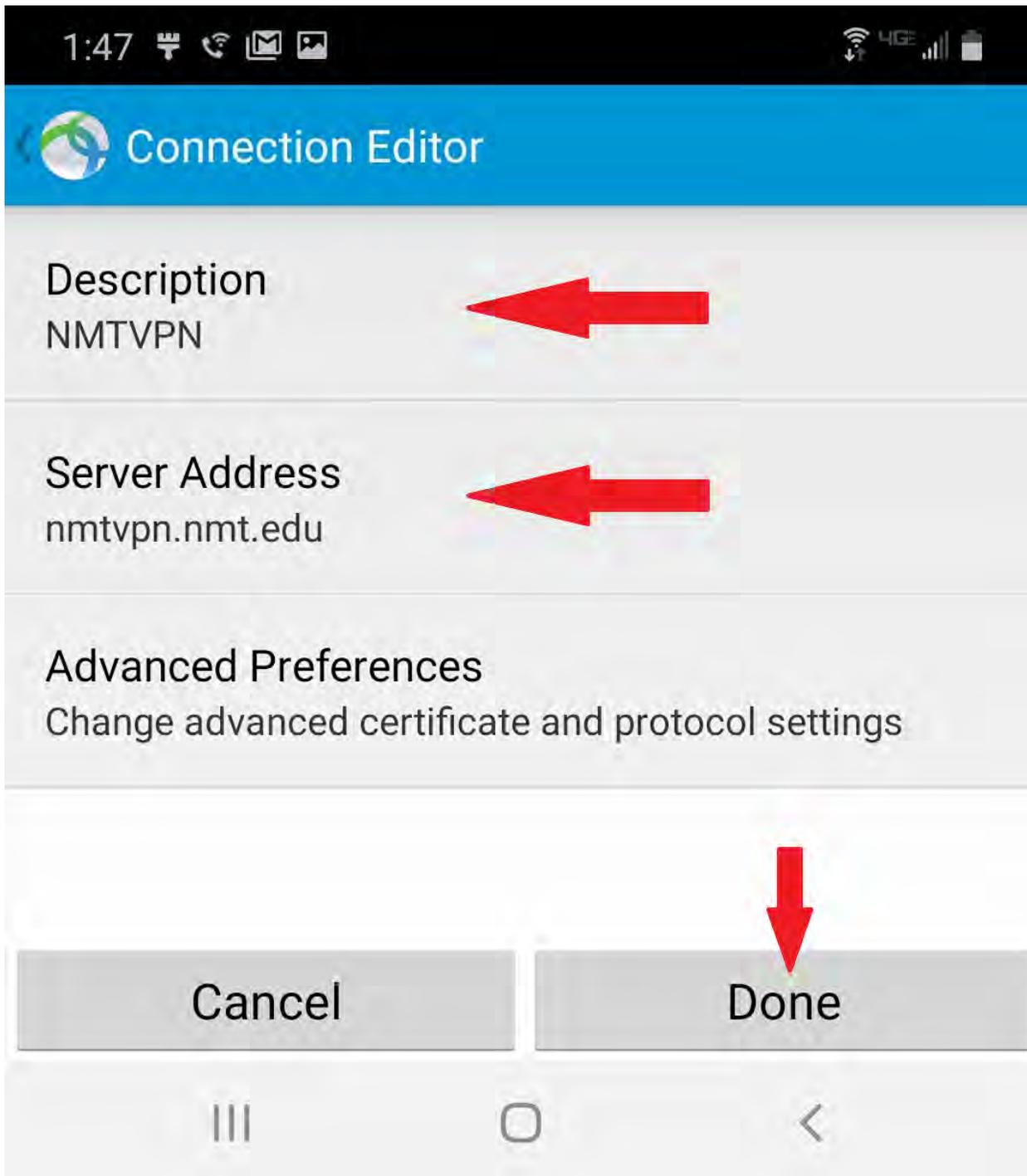
Now create a connection by clicking on the Connections button:



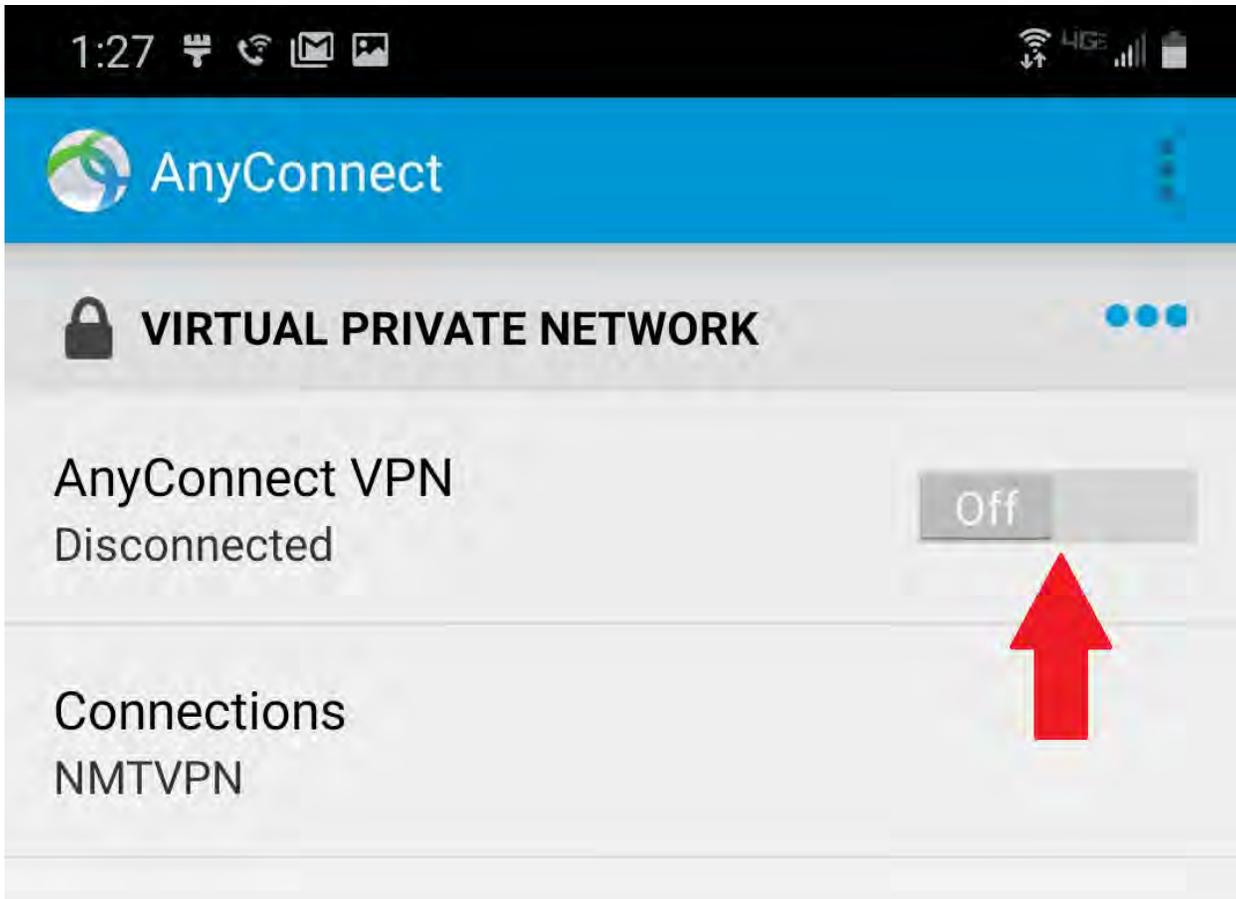
Add a Connection:



Enter in NMTVPN in the Description / Name field.  
Enter nmtvpn.nmt.edu into the Server Address field.  
Click Done.



Now turn on the VPN by selecting the AnyConnect VPN slider:



It will now ask you for your Password. This is your **Academic Lab** password.  
Click Connect.

1:28 [status icons] [status icons]

AnyConnect

### AnyConnect

Please enter your username and password.

Group:  
NMT

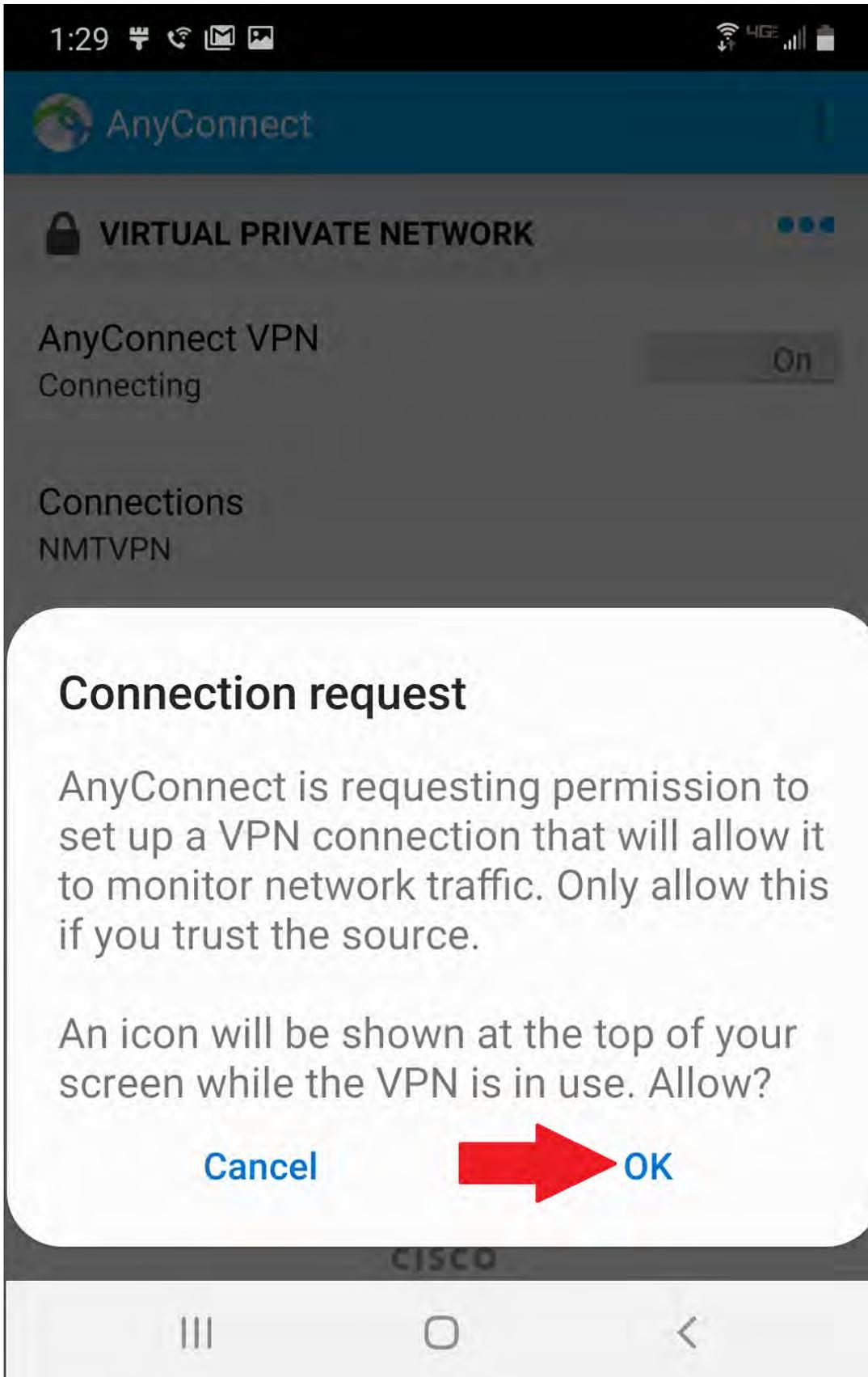
Username:  
900123456

Password:  
ThisIsNotMyPassword ←

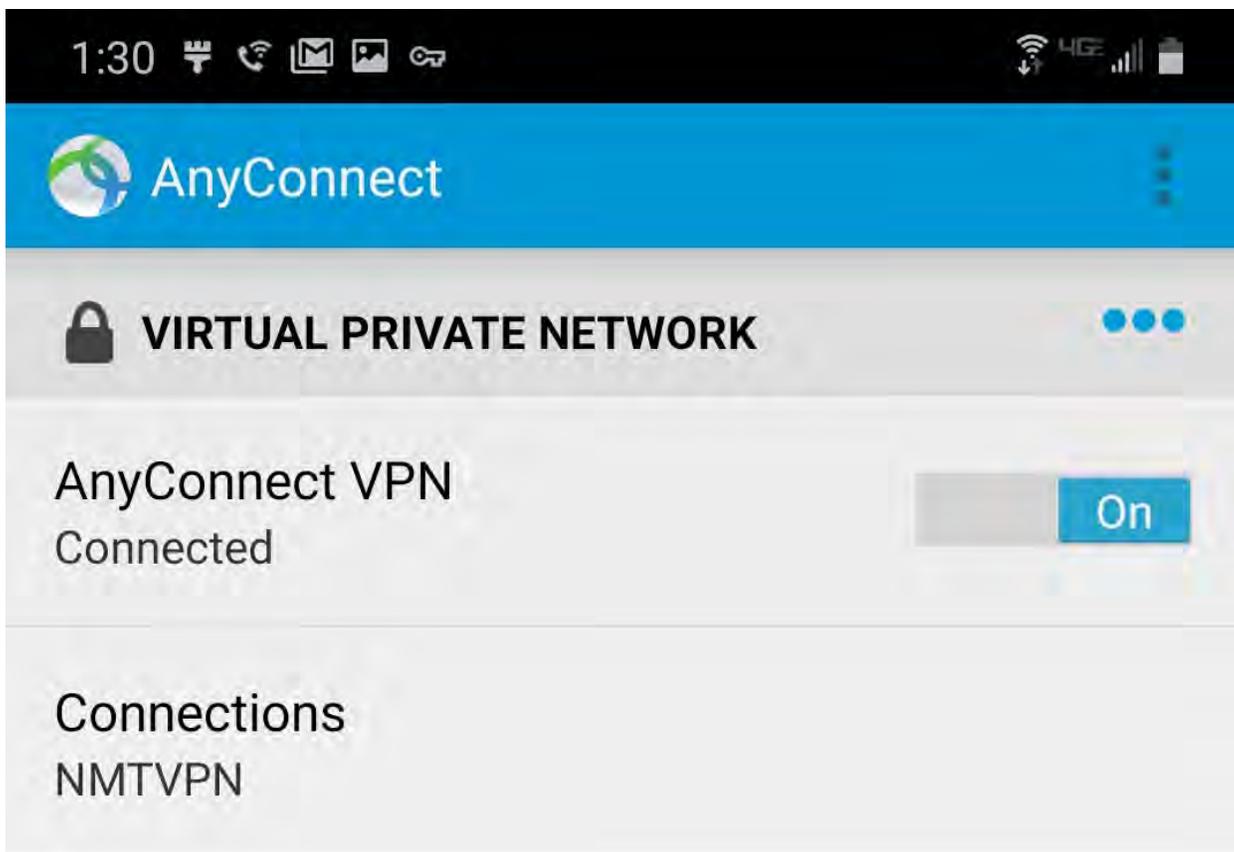
Show password

Cancel      Connect ↓

Confirm you want to start a VPN by clicking OK.



You should now be connected:

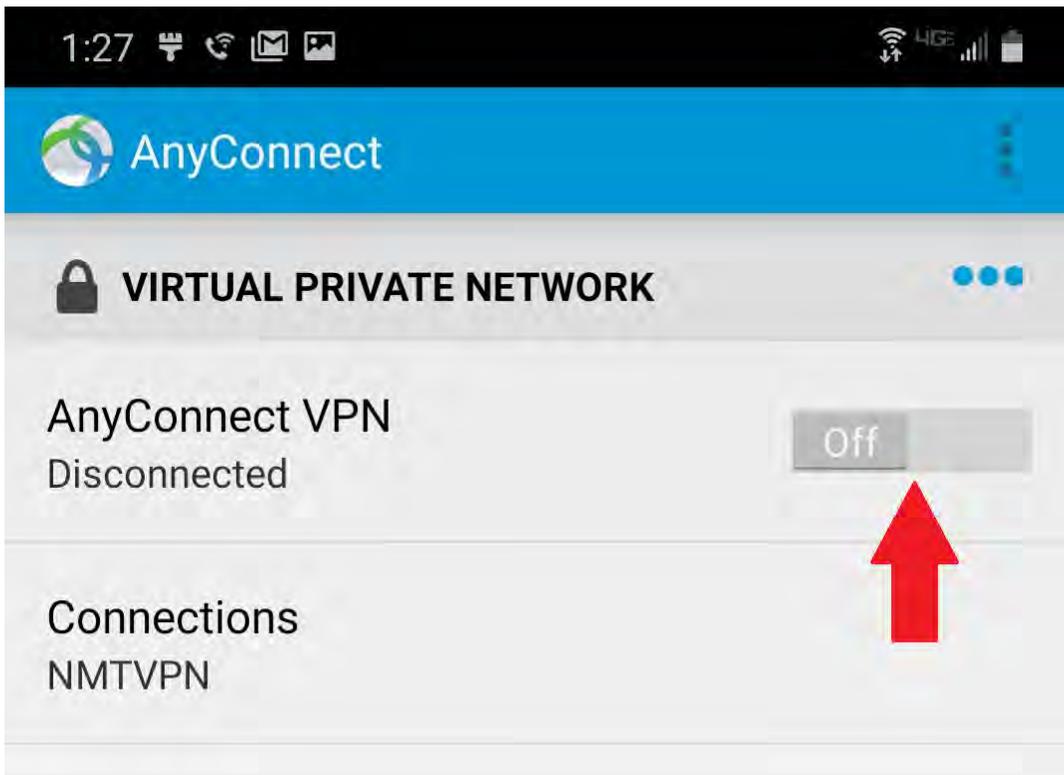


You can use your VPN to access on-campus resources. Non-NMT resources are still accessed via your normal Internet connection (also known as Split Tunnel, if you care).

To stop the VPN connection (which we recommend you do when you are not actively needing NMT resources) just click the On/Off slider again.



You should see it **off** now:



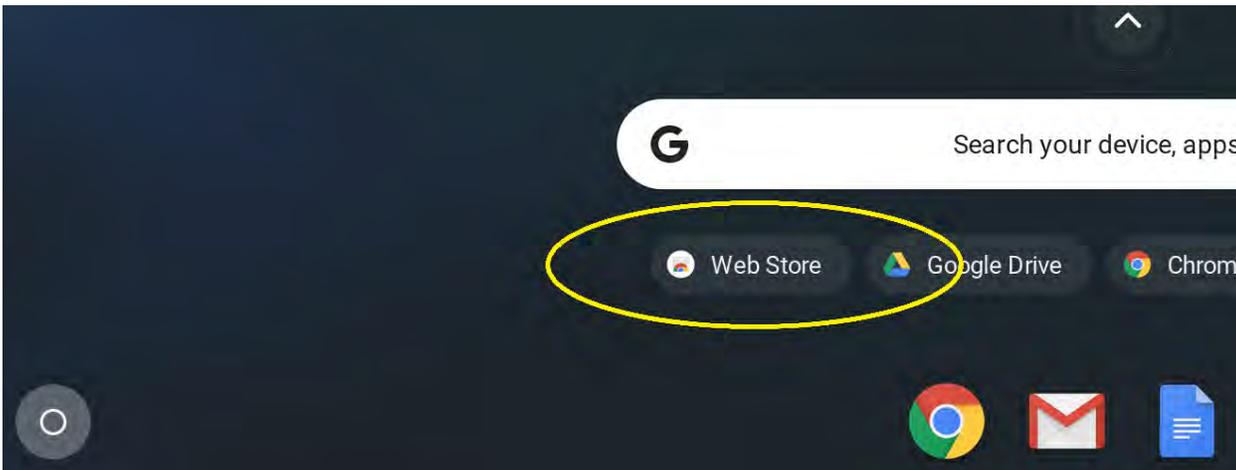
# Chromebook:

## Installation and Setup

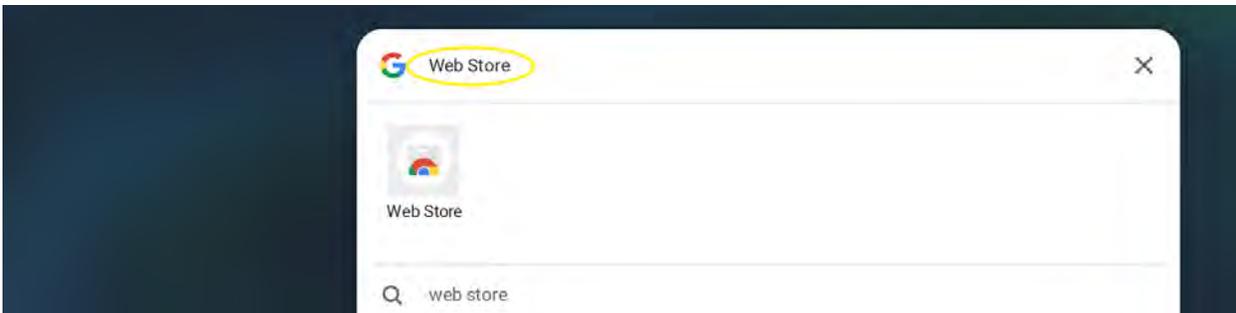
Click the “Launcher” icon shaped like a circle in the lower left of your screen.



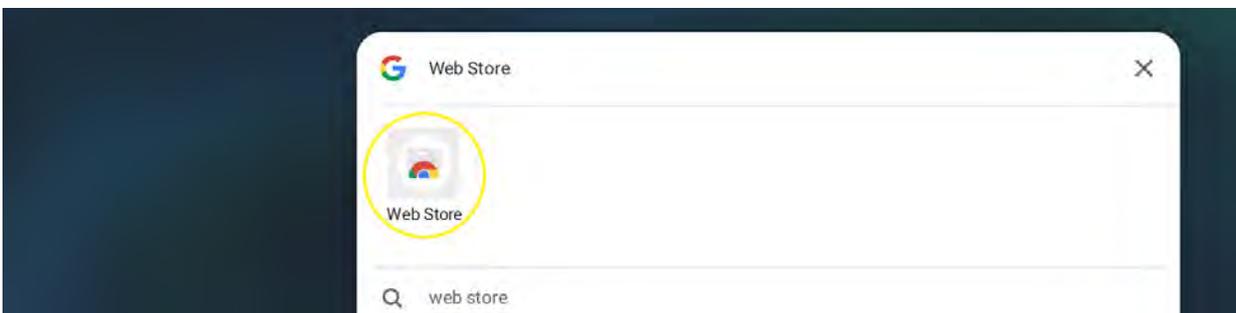
Click on the “Web Store” icon from the Launcher.



If you do not see the Web Store as an option, type “Web Store” in the search bar...



...and then click on the “Web Store” icon.



The Chrome browser will now bring up a website. In the search bar, type in “Cisco AnyConnect”...

Cisco AnyConnect x

- Extensions
- Themes
- Apps
- Games



...then hit the "Enter" button on your keyboard.

Now click on the "Apps" button.

Cisco AnyConnect x

### Extensions

[More extensions](#)

« Home

- Extensions
- Themes
- Apps

Features

Runs Offline



Free VPN - the fastest VPN

Offered by: SmartApp

The fastest and simplest FREE Chro

★★★★★ 1,381 Productivity

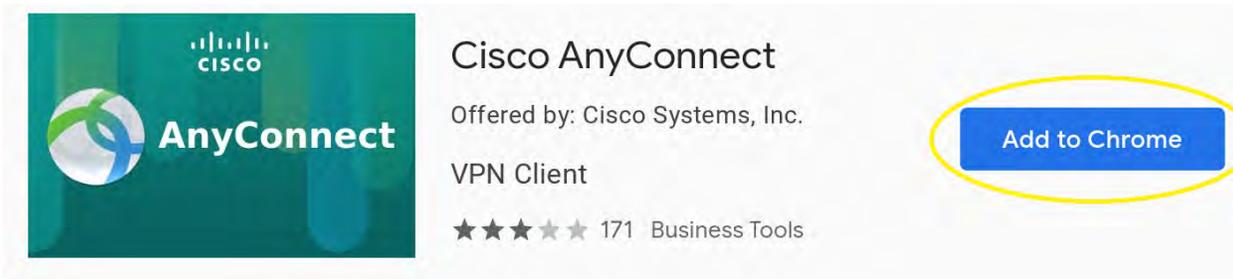
[Add to Chrome](#)

You should now see the Cisco AnyConnect app on the right.

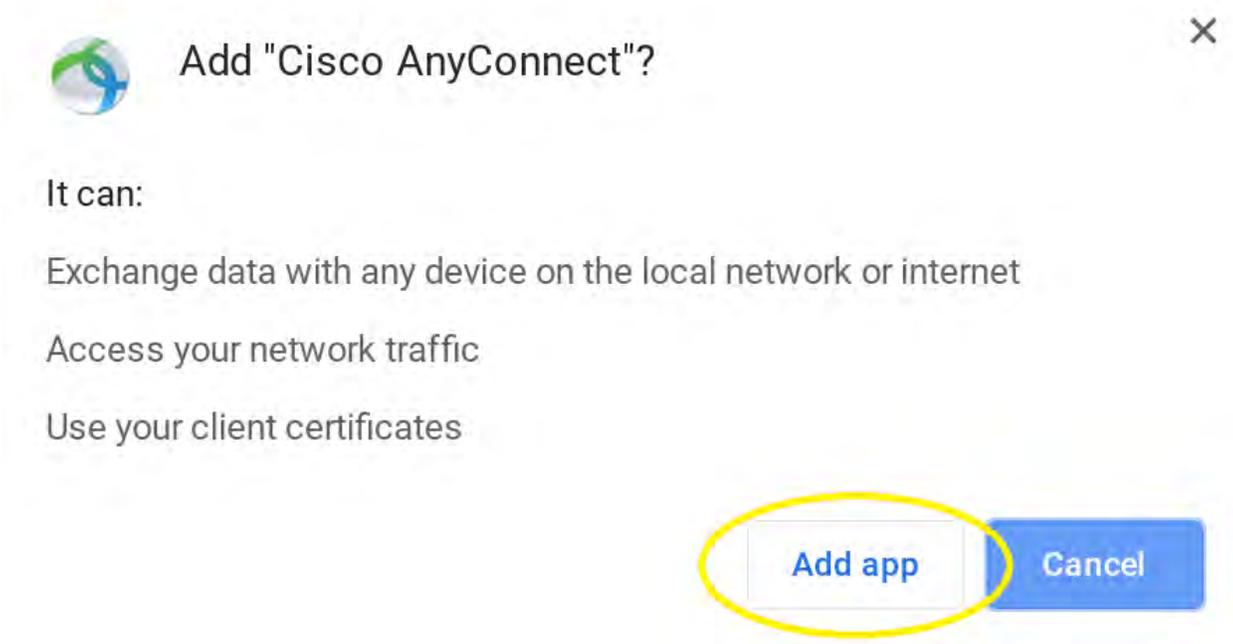
 chrome web store



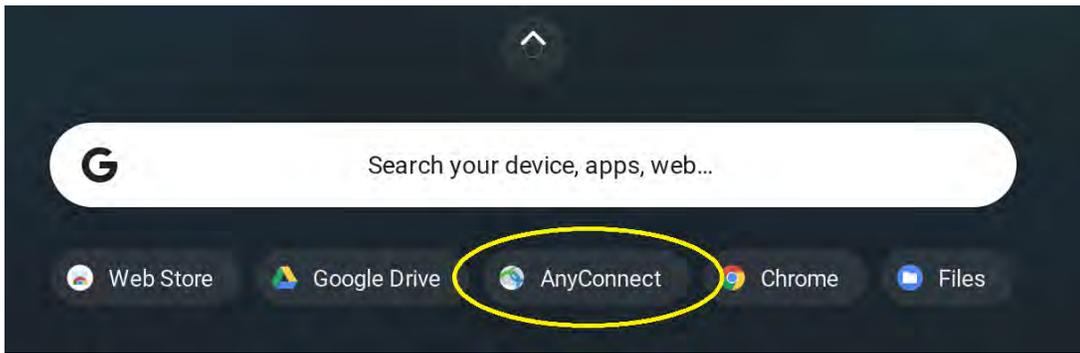
**Please make certain that the app you see is “Cisco AnyConnect” that is offered by Cisco System, Inc. Please do not click on or install any other app.** Once you have verified that you see the correct app, click on the “Add to Chrome” button.



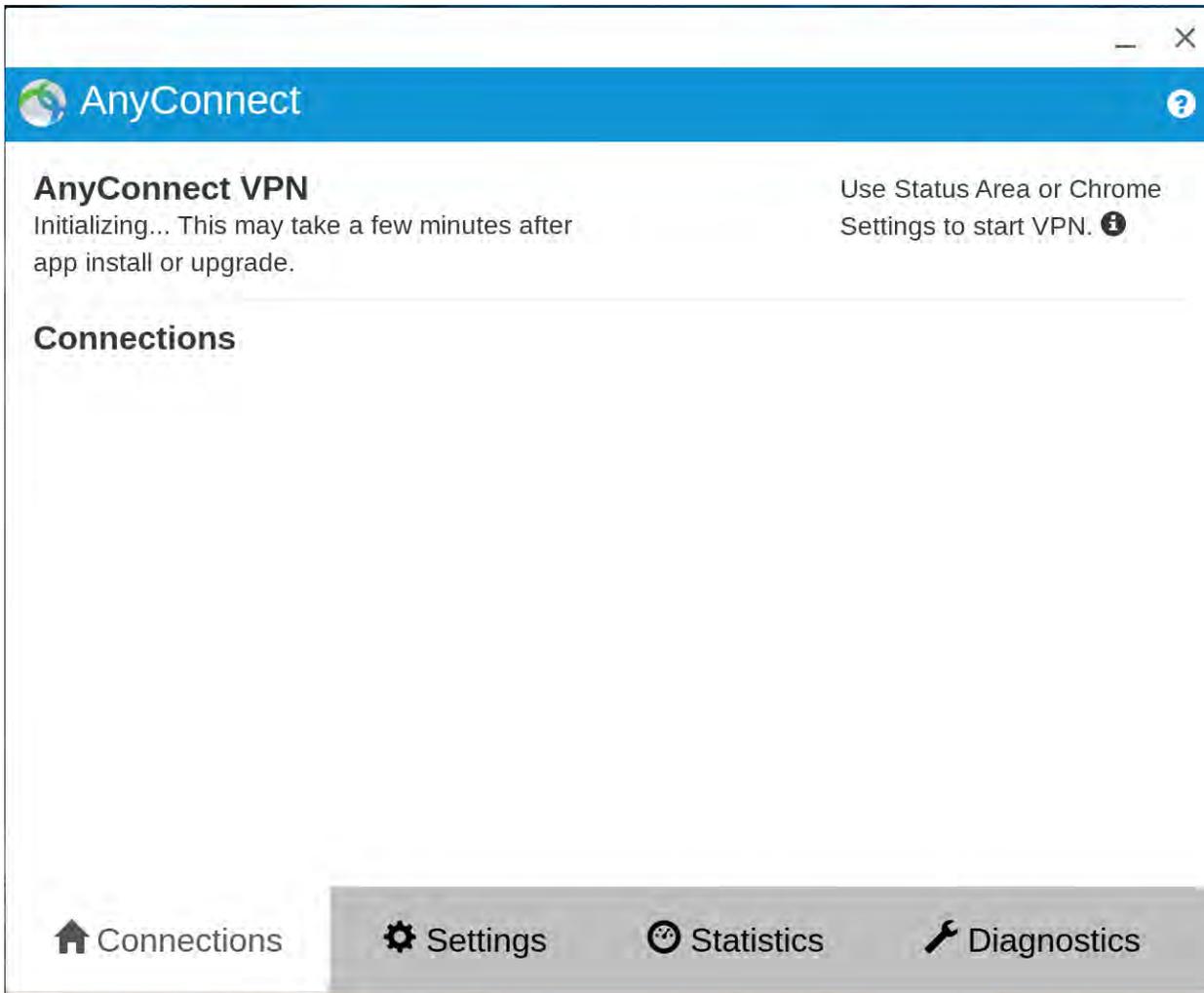
A window will pop up asking to add Cisco AnyConnect. Click the “Add app” button.



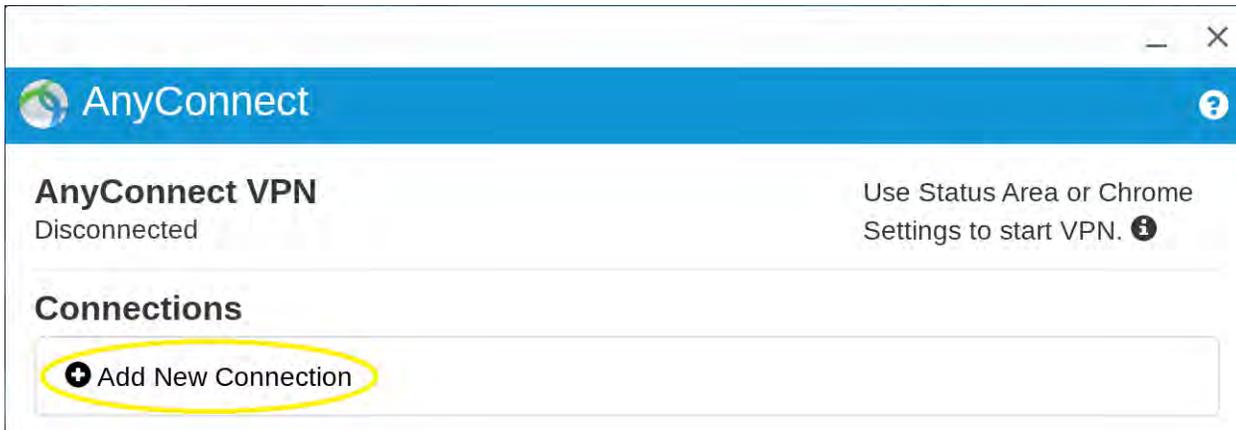
Once the AnyConnect app has installed, open the Launcher again (via the circle icon on the lower left. You should see the AnyConnect Icon now available. If you don't see the icon, please search for “AnyConnect” in the search bar. Click on the “AnyConnect” icon.



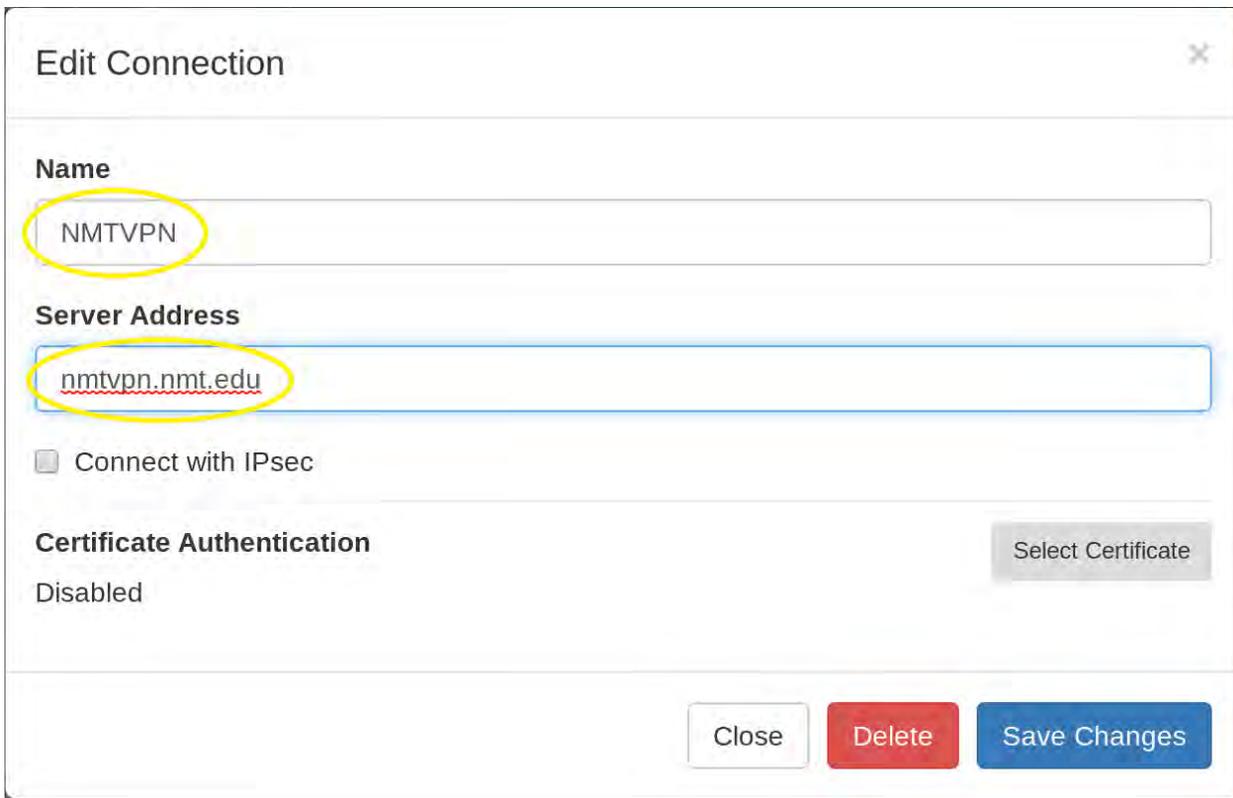
AnyConnect will now initialize itself, please allow it a few minutes to configure.



Once the initialization has finished, click on “Add new connection”.



In the “Edit Connection” window, enter “NMTVPN” in the “Name” field, and “nmtvpn.nmt.edu” in the “Server Address” field.



Click "Save Changes" when done.

**Edit Connection** [Close]

**Name**  
NMTVPN

**Server Address**  
nmtvpn.nmt.edu

Connect with IPsec

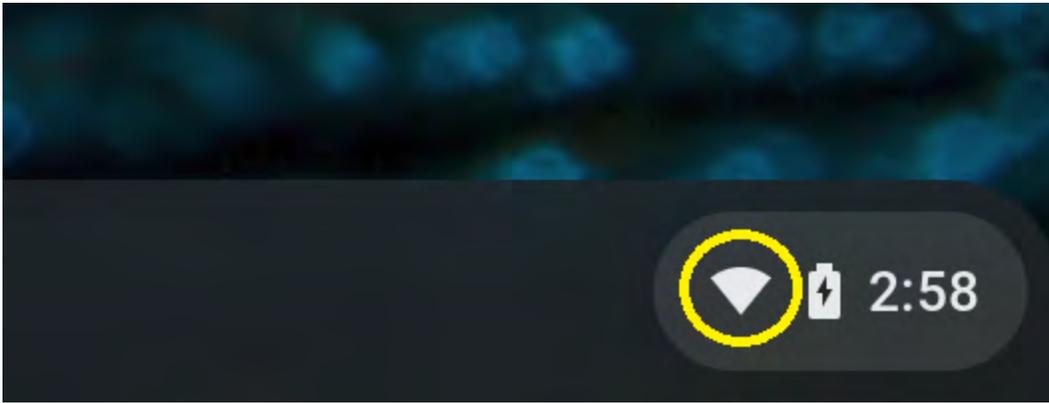
**Certificate Authentication** [Select Certificate]  
Disabled

[Close] [Delete] [Save Changes]

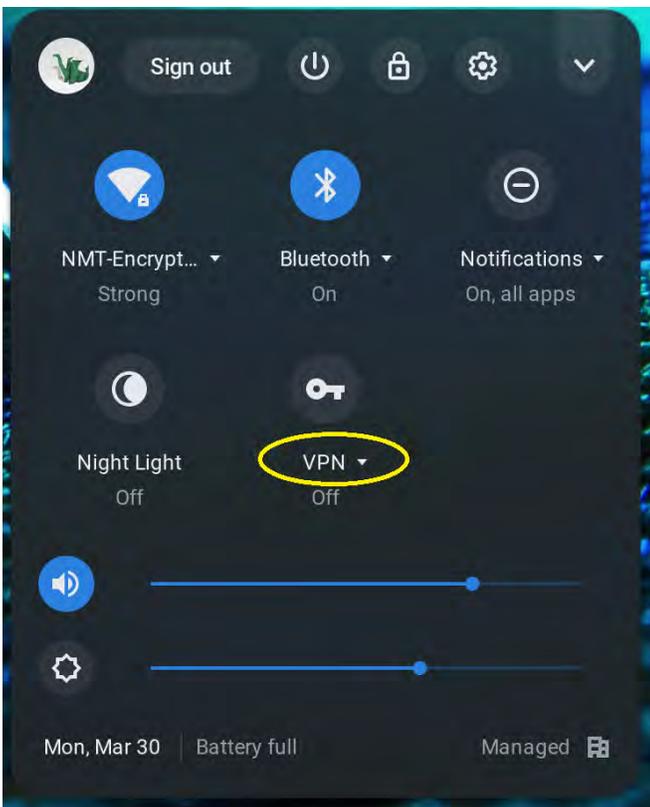
The installation and setup is now complete.

## Signing into your VPN

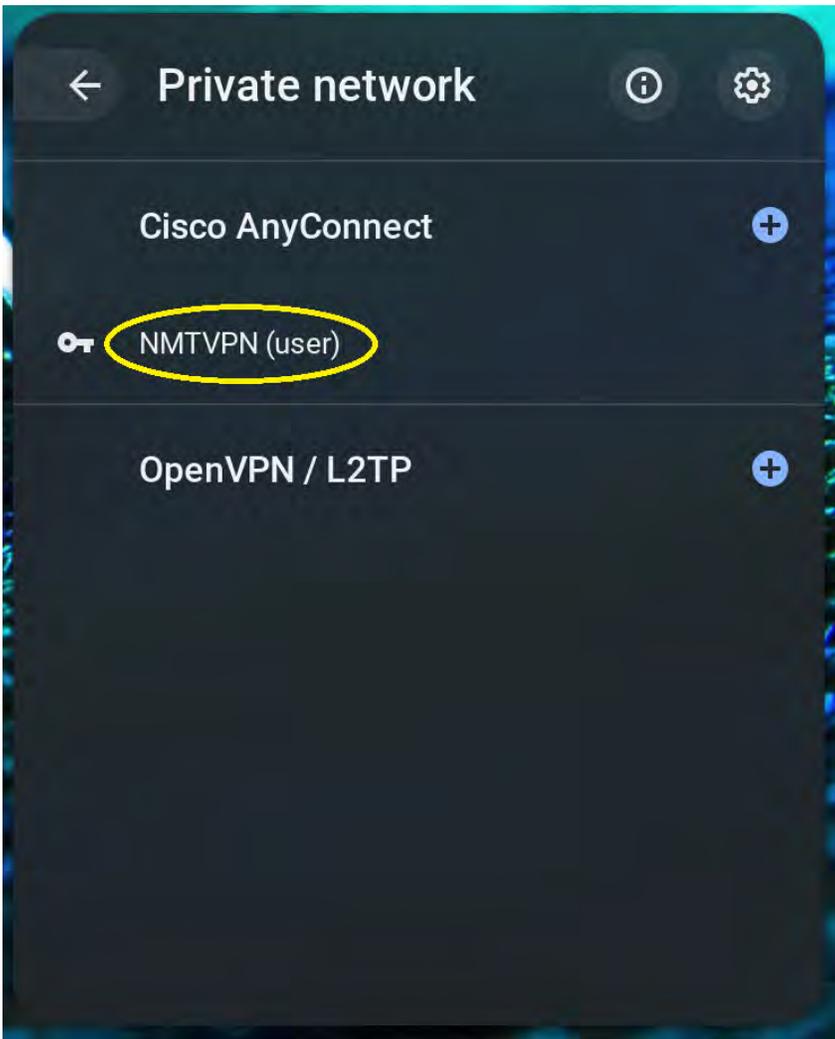
Click on the WiFi icon in the lower right hand corner of your screen.



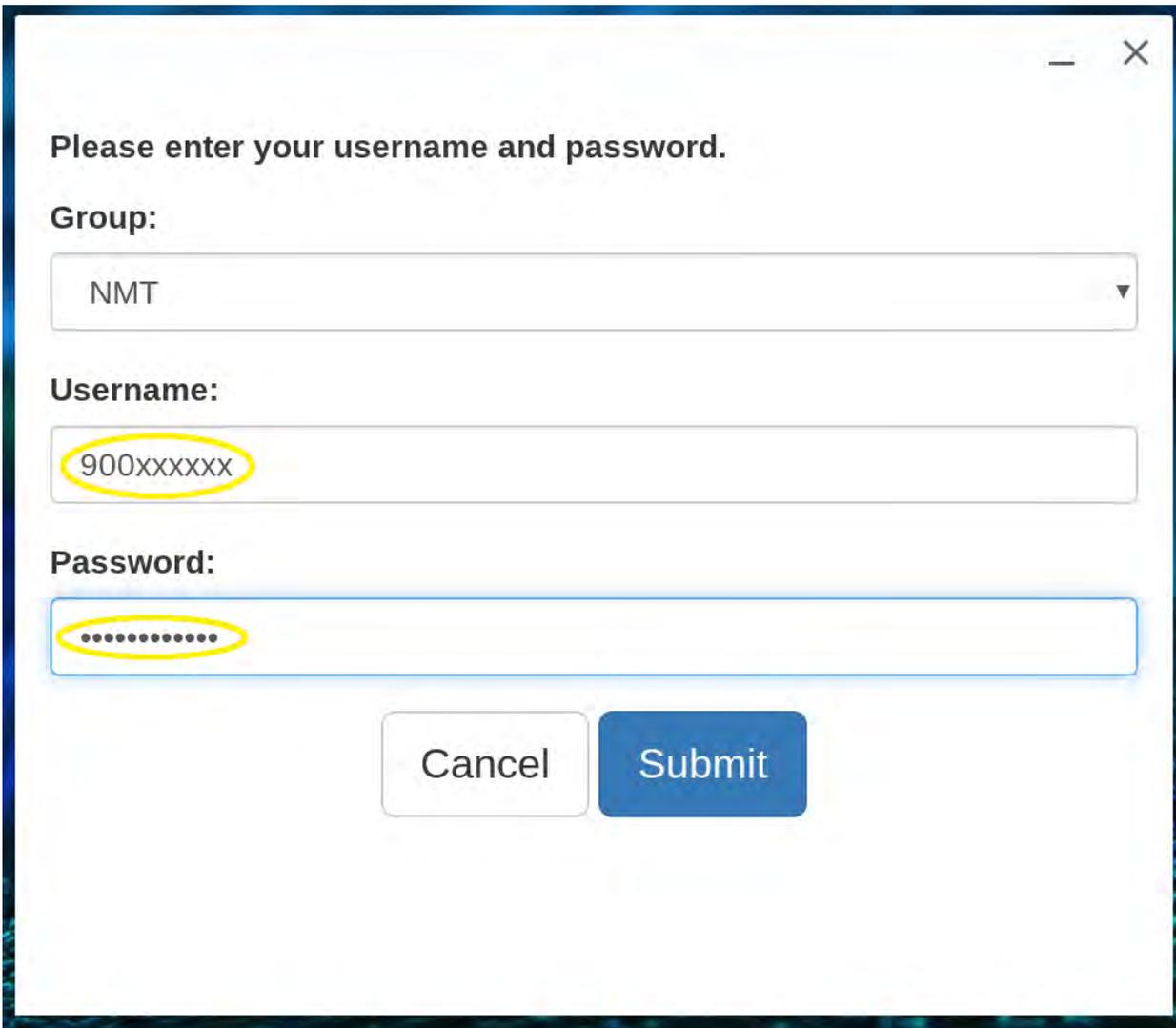
Click on "VPN".



Under Cisco AnyConnect, click "NMTVPN".



Enter in your 900-number and your academic lab password...



Please enter your username and password.

**Group:**

NMT

**Username:**

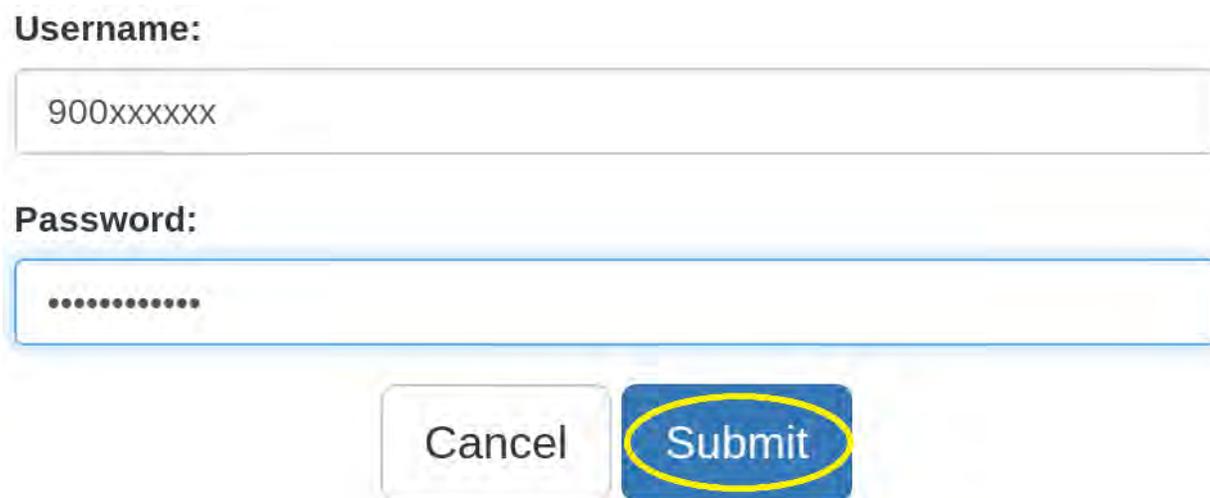
900xxxxxx

**Password:**

.....

Cancel Submit

...then click "Submit".



**Username:**

900xxxxxx

**Password:**

.....

Cancel Submit

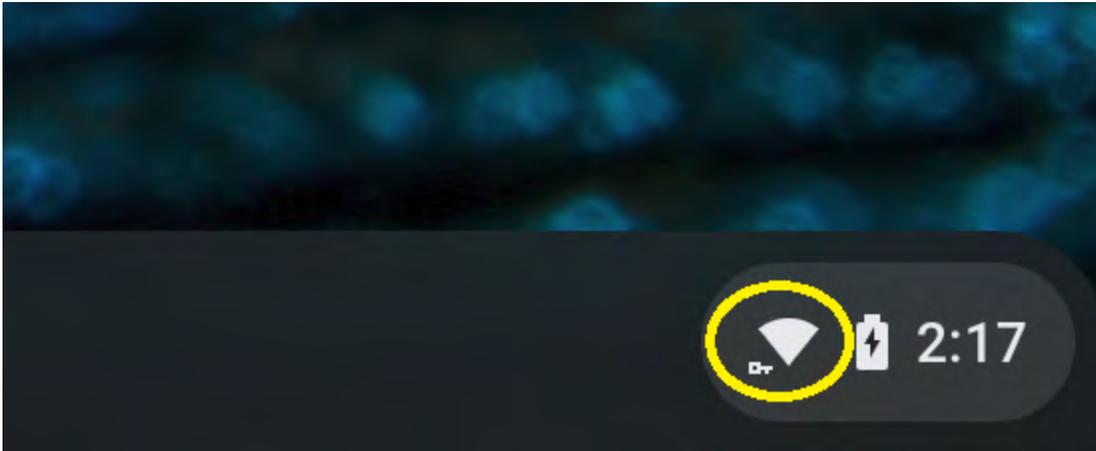
When you are successfully connected to the VPN, a key icon will be shown next to the WiFi icon in the lower right hand corner of your screen.



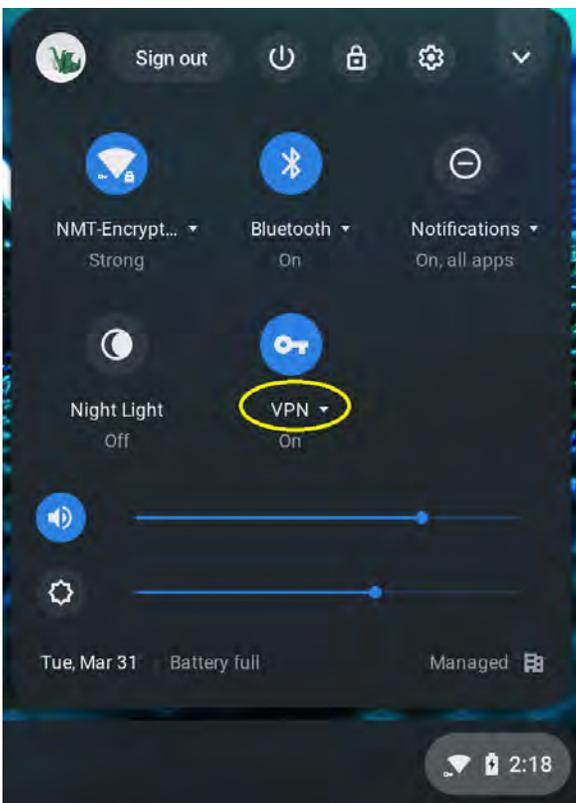
## Disconnect from VPN

Whenever you are finished using the VPN, before you put your Chromebook to sleep, please make sure to disconnect from the VPN to avoid potential complications.

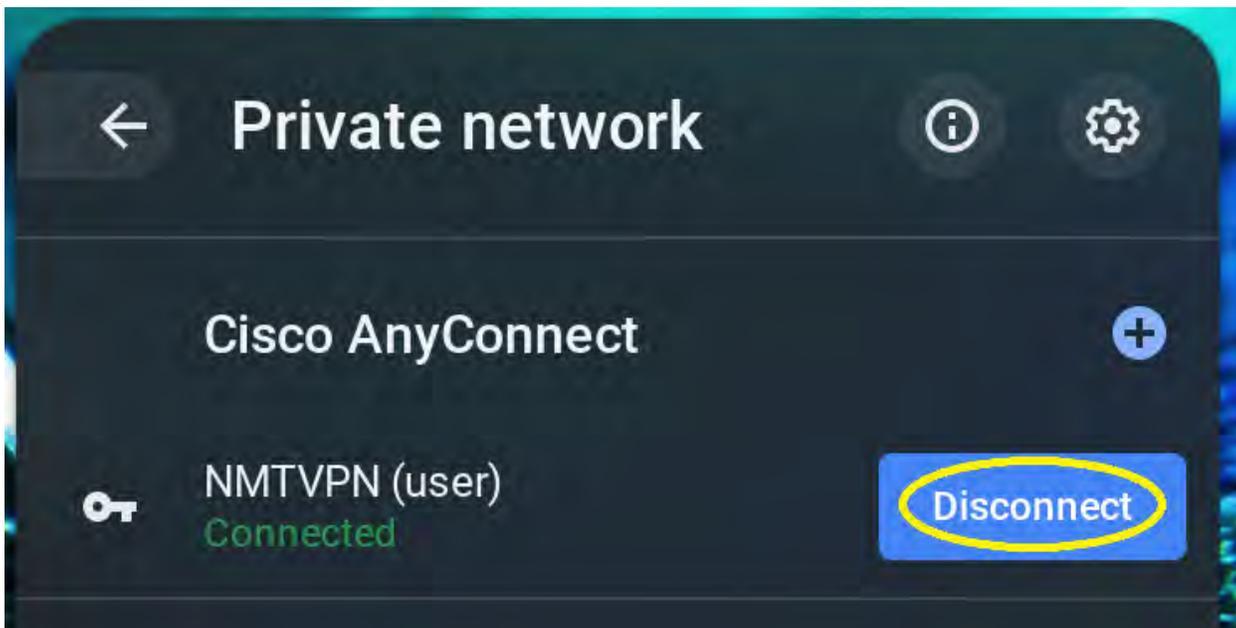
To disconnect, click on the WiFi icon in the lower right hand corner of your screen.



Click on “VPN” under the key in the blue circle.



Click on "Disconnect".



You are now disconnected from the VPN. When you are disconnected from the VPN, the WiFi icon will no longer have the key next to it.

