

UNT System Campus VPN Guide Contents

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Version 3.3 March 10, 2021

Introduction

This is a guide on the different ways to connect to the University of North Texas System Campus VPN. There are several different methods of connecting to the VPN that this guide will discuss. Each method accomplishes the same goal just in a different way, which allows the users more flexibility. This flexibility is important since we have a wide range of users that have different needs and different hardware requirements.

The UNT System Campus VPN is a device that will allow you to connect remotely to oncampus resources. This will allow employees and students of the University of North Texas to work from off campus using resources they otherwise couldn't access. The connection from the user machine to the Campus VPN is an encrypted connection which allows us to securely allow access to resources we otherwise wouldn't allow.

As stated above there are three different methods to connect to the Campus VPN. Each method is available for all employees and students of the University of North Texas. There may be a preferred method that your network manager or teacher would like you to use, so it's always best to discuss the issue with them first.

The first method is the web portal. This is an SSL web page that acts as a proxy server to the on-campus resources. This will allow access to the on-campus resources from machines that you might not want or need to install a client. This way uses SSL and Java to accomplish this goal.

The second method is the AnyConnect client. This is an ActiveX or Java client which uses SSL protocols to setup an encrypted connection to the Campus VPN. The AnyConnect client gives the user a UNT IP address making their machine logically part of the network. Only traffic going to the University of North Texas will use the encrypted tunnel. All other traffic will not be encrypted and use your normal internet provider connection.

The final method is the third party IPSec client. This is a client that uses the IPSec protocols to connect to the Campus VPN. Any third party IPSec client that uses the standard IPSec protocols should work, however they may have problems which may not be supportable. Just like the AnyConnect client this method will also give the user a UNT IP address. It will also only use the encrypted tunnel for traffic going to the UNT like the AnyConnect client does. Just like the AnyConnect client all other traffic will use your normal internet provider connection.

SSL Web Portal

The web portal is the easiest way to connect to the Campus VPN without having to install a client on your machine. Just point a web browser to:

<u>vpn.unt.edu</u>

You will have to accept the certificates first and you can setup a permanent exception so you only have to do this once.



	Login Please enter your username and password. GROUP: General EUID: PASSWORD: Login
Please enter you	Please enter your username and password. GROUP: General • EUID:
EUID:	

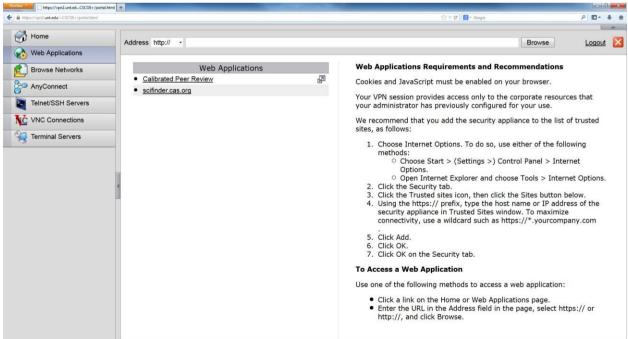
To login you will need to enter in your EUID and password. After that the computer usage policy will appear. You will have to accept the policy before you can continue on to the web portal home page.

	em is the property of the University of as and your use of this resource
	s an explicit binding agreement to
	relevant federal and state laws and
	cies (see UNT Policies 3.10, 3.6, and
	authorized use of this system is
	Violations can result in sovere
	I. Violations can result in severe
penalties	and possible criminal prosecution.
, penalties There is n	and possible criminal prosecution. no reasonable expectation of privacy
penalties There is n and you c	and possible criminal prosecution.

Once you accept the computer usage policy you will be taken to the web portal home page. From this page you can go to the different areas of the web portal by using the menu to the left or the pull down menu show below.

Firefox https://vpn2.unt.edCSCOE+/portal.html +			
A https://vpn2.unt.edu/+CSCOE+/portal.html			P 🖬 - 🖡 🏦
UNIVERSITY OF NORTH • TEXAS Discover the power of ideas.	SSL VPN Service		
/N 11-m-			A
Home	Address http://	E	Browse Logout
Web Applications	http://		
	Web B https://		ф
Browse Networks	cifs://		
AnyConnect	ssh://		
Anyconnect	telnet://		
Telnet/SSH Servers	vnc:// rdp://		
VNC Connections			
Terminal Servers	1		
9	4		

The first menu item is for web applications. This is where you can use the Campus VPN as a web proxy. On the right side of the page you will see instructions on how to use this function. Just enter in a web address in the address bar and hit enter or the browse button.



The Campus VPN will then browse to the webpage. Once you are at the webpage you will notice two strange things. The first thing is the address in the URL bar. You will notice that it has the Campus VPN address first then the webpage where you are. This is

because you are using the Campus VPN as a proxy, piping the webpage through the Campus VPN. The second thing you will notice is the strange menu bar on the top right side of the screen.



From left to right this menu will allow you to switch the menu to the other side, enter in a new address, go back to the web portal home page, and logoff the Campus VPN. If you hit the new address button it will pop up a window that you can enter in a new web address.

vpn1.unt.edu says		
Enter URL/Web Address		
	ОК	Cancel

The next menu item is the browse network page. This page will allow you to browse network shares and files.

https://vpn2.unt.edCSCOE+/portal.html +		
+ https://vpn2.unt.edu/+CSCOE+/portal.html		☆ ▼ C Socie P 🖬 + 🖨
Home	Address cifs:// •	Browse Logout 🔀
Web Applications Image: Browse Networks Image: Provide the servers Image: Provide t	Browse Networks Browse Entire Network	 File Access Requirements and Recommendations To access files in your network, your system administrator must assign permissions that grant you access. Click the link to the destination you want to browse, then click through the hierarchy to the file you want to access. If the link to the destination is not present, you can: Select cifs:// from the drop-down list next to the Address box. In the Address box, enter one of the following Path to the file, using the universal naming convention (UNC) (for example, (\computername\sharedfolder\resource). Full path to the file, using the hostname/share/resource format. Click Browse.

Enter in the network share location into the address bar and hit enter or the browse button. This will bring up the network login screen shown below. Your network manager or teacher may have to give you access to the network share you are trying to access.

Firefox * [] https://vpn1.unt.edCSCOE+/portal.html +			- 6 ×
A https://vpnl.unt.edu/+CSCOE+/portal.html		[] ▼ C] [🛃 - Google	ዖ 🖬 - 🖡 🏦
UNIVERSITY OF NORTH • TEXAS Discover the power of ideas.	SSL VPN Service		
Home	Address cifs:// -		Browse Logout 🔀
Web Applications			
Browse Networks			
P AnyConnect			
Telnet/SSH Servers			
VNC Connections		Authentication required	
Terminal Servers	4	Username:	
	1		
		Password:	
		Submit Cancel	

Once you have access enter in your username and password for that network share. After you login, you will be able to browse the network share and access the files. Below is what the page will look like without any network folders or files.

https://vpn1.unt.edCSCOE+/portal.htm	4 +					
A https://vpn1.unt.edu/+CSCOE+/portal.html				th ₹ C Scoogle		₽ 🖬 🕈 🕈
UNIVERSITY OF NORTH •TEXAS Discover the power of ideas.	SSL VPN Service					
Home	SSL VPN Service Home Home Home Home Home Web Applications Browse Networks Address cifs:// - K Telnet/SSH Servers VNC Connections VNC Connections					
~	Address cifs:// -				Browse	Logout 🔯
		对 🕞 🍋 🖬	Page 1 of 1	N		
Browse Networks		Long and Long and		M		
AnyConnect	Name -	<u>Size</u> <u>Type</u>	Date Modified			
ter al						
VNC Connections						
Terminal Servers	Address cifs:// • Address cifs:// • Browse Logout Ions ions					
NORTH-TEXAS Discover the power of ideas. Image: Discover						

The third menu item is the AnyConnect page. From this page you will install the AnyConnect client on your machine. We will discuss the AnyConnect client and the installation later on in this guide.

The next menu item is the Telnet/SSH page. This page will allow you to telnet or SSH to servers on campus. Just like all the other pages, just enter in the server address you are trying to SSH or telnet to in the address bar.

Firefox *			- 0 - x -
Attps://vpnl.unt.edu/+CSCOE+/portal.html		☆ ♥ C Google	₽ 🖬 🕈 👘
UNIVERSITY OF NORTH • TEXAS Discover the power of ideas.	SSL VPN Service		
Home	Address ssh:// ·	Browse	Logout 🔀
Constructions Construct C	Telnet/SSH Servers	Telnet/SSH Servers Help The Telnet/SSH Servers client provides any Sun Ja equipped browser with access to corporate termina How to Connect To start a Telnet or SSH session:	
Terminal Servers		 Do one of the following: Click a link to the computer on this paconnect to the computer (assuming y administrator added the link). Choose the ssh:// or telnet:// option Address field, enter the name of the the Address text box along with any optic parameters you want, then click Brow Completing the Address Field for para options. 	our system next to the nost into the onal yse. See
		A session window opens. 2. Click into the session window before you sta	irt typing.
		Completing the Address Field	

After you enter in the server address and hit enter a java applet will show up on page. Once it connects to the server you will get a login screen shown below. Enter in your username and password for that server and you will be logged in like normal.

-	_	SSH User A		Block
		SSH Authorizati	on required	
		User name		
		Password		
		Cance	Login	
				-
Connected to	ssh			online

The next menu item the VNC connection page. This page allows you to use the Campus VPN as a VNC proxy.

https://vpnl.unt.edCSCOE+/portal.html +			
https://vpn1. unt.edu /+CSCOE+/portal.html		☆ ≠ C Socgle	P 🖬 🕯
UNIVERSITY OF ORTH • TEXAS cover the power of ideas.	. VPN Service		
Home Addre	ss vnc:// •	Br	owse Logout
Web Applications			
Browse Networks	VNC Connections	VNC Connections Help	
AnyConnect		TightVNC Java Viewer provides any Sun Java browser with access to corporate Virtual Net (VNC) servers and Mac OS X desktops.	
Telnet/SSH Servers			
C VNC Connections		How to Connect	
		To start a TightVNC session:	
Terminal Servers		1. Do one of the following:	
AnyConnect		 Click a link to the computer on connect to the computer (assu administrator added the link). Choose the vnc:// option next 	ming your system
		enter the name of the host and the Address text box along wit parameters you want, then clic <u>Completing the Address Field</u> fr options.	h any optional :k Browse. See
		 Click into the VNC session window be typing. 	fore you start
		Completing the Address Field	

Once you enter in the address of the machine you are trying to VNC to you will be taken to a new page. The new page uses a Java program called TightVNC as shown below. Once TightVNC connects to your VNC machine you will need to login as normal.



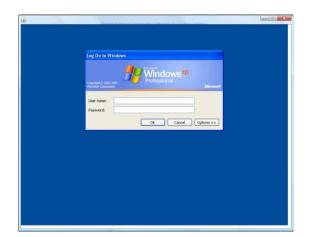
The final menu item is for terminal services usually called remote desktop. This page allows you to remote desktop to machines on campus that would otherwise be blocked from the outside.

Firefox *			ĵ -
A https://vpn1.unt.edu/+CSCOE+/portal.html		습 v C 🛛 🖸 - Google 🖉 🖓 🗖 🕶	÷
NORTHITEXAS	VPN Service		
0	s rdp:// ·	Browse	
Browse Networks	Terminal Servers	Terminal Services Client Help	
AnyConnect		 1.4+ equipped browser with access to corporate terminal servers. 	
VNC Connections		How to Connect	
Interformation Interformation </td			
In the Micross In th	 (assuming your system administrator added the link). Choose the rdp:// option next to the Address field, enter the name of the host into the Address text box along with any optional parameters you want, then click Browse. For 		
	Address rdp:// Browse L Address rdp:// Browse L Terminal Services Client Help The Microsoft Terminal Services Client provides any Sun Jav 1.4+ equipped browser with access to corporate terminal servers. How to Connect To connect to Microsoft Terminal Services, do one of the following: Click a link to the computer on this page to connect to (assuming your system administrator added the link) Chick a link to the Address field, er the name of the host into the Address field, er the name of the host into the Address field, er the name of the host into the Address field, er the name of the host into the Address field for the parameter options. When you connect to a terminal server, a browser tab or		

After you enter in the address of the machine you want to remote desktop to, a page like the one below will appear. This page is showing that it's trying to connect to the machine you have entered.

Firefox * Terminal server connection +		- 6 - X
🗲 🚦 🔓 https://vpn1.unt.edu/	1 로 C 🛛 🔂 - Google	P 🖸 - 🖡 🏦
		🐡 🕇 🖓 😣
	Terminal Server connection will open in a popup window.	
	Please don't close this page or go back to the portal page until you are finished with the session.	
	Click here if you want to open another window with the portal page.	

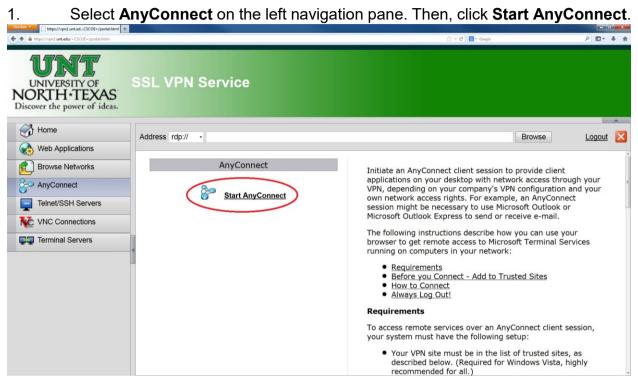
Once connected, the Campus VPN will pop up java window showing your remote desktop connection to the machine. Below is an example of the remote desktop window.



That is all the features of the Campus VPN web portal. The web portal is the easiest and fastest way to connect to on campus resources without having to worry about installing any software. It provides a secure encrypted connection from your machine to the resources you are accessing.

Installing AnyConnect VPNClient

As discussed earlier the AnyConnect client is an ActiveX or Java client that uses the SSL protocols to make an encrypted connection from your machine to the Campus VPN. To install the client you need to login to the Campus VPN web portal. If you need help logging in, please read the above section titled SSL Web Portal.



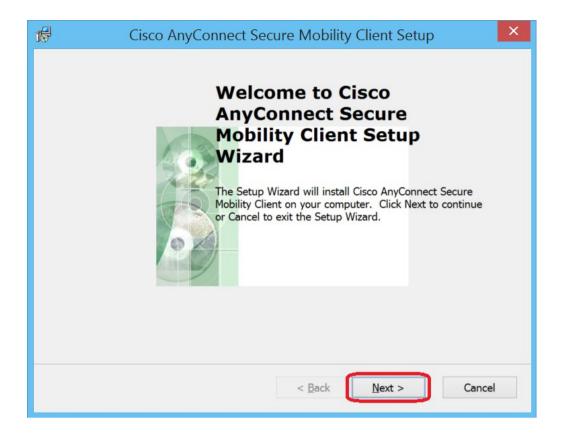
2. An installation window will appear. If Java is installed on your machine, you may follow the automatic installation prompts.

Firefox *	+				×
+ https://vpn1.unt.edu/+CSCOE+/portal.html			☆ ▼ C Societ	P 🖬 - 4	÷ †
UNIVERSITY OF NORTH • TEXAS Discover the power of ideas.	SSL VPN Service				
Home	Address rdp:// -			Browse Logout	
Web Applications					
Browse Networks					
AnyConnect		cisco Anyo	Connect Secure Mobility Client		
Telnet/SSH Servers					
VNC Connections		WebLaunch	Platform Detection		
Terminal Servers		<u> </u>	Setting up the Cisco AnyConnect Secure Mobility Client.		÷ †
	4	 Platform Detection 	Please wait		
		ActiveX			
		I - Java Detection			
		🗆 - Java			
		Download			
		Connected			
			Help Download		

3. If the automatic web install fails for any reason, click on the **Windows 7/Vista/64/XP** link. You may either install directly or save the installation file.

https://vpn1.unt.edCSCOE+/portal.ht	tml +			
(+)+ () A https://vpnl.unt.edu/+CSCOE-/portal.ht	tril		습 ㅋ C 🛛 🔂 - Google	P 🖬 • 🖡 🏦
UNIVERSITY OF NORTH • TEXAS Discover the power of ideas.	SSL VPN Service			
Home	Address rdp:// -			Browse Logout 🔀
Web Applications				biowse <u>Logoui</u>
Browse Networks				
	-	ululu Anvo	Connect Secure Mobility Client	
AnyConnect		cisco Any	Sonnect Secure Mobility Client	
Telnet/SSH Servers				
VNC Connections		WebLaunch	Manual Installation	
Terminal Servers			Web-based installation was unsuccessful. If you wish to	
		Platform Detection	install the Cisco AnyConnect Secure Mobility Client, you may download an installer package.	
		- ActiveX	Install using the link below:	
		Java Detection	Windows 7/Vista/64/XP	
		🗵 - Java		
		- Download	Alternatively, <u>retry</u> the automatic installation.	
		- Connected		
		L. Combodod		
			Help Download	

4. Launch the AnyConnect installation. Click **Next**.



5. Click on the button for "I accept the terms in the License Agreement." Then, click **Next**.



6. **Install**.

Cisco AnyConnect Secure Mobility Client Setup	Х
Ready to Install The Setup Wizard is ready to begin the Typical installation	
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.	
Advanced Installer < Back install Cance	

7. It will take a few seconds for the installation to finish. Then, click **Finish**.



Click Connecting AnyConnect VPN client

1. Select the Cisco AnyConnect Secure Mobility Client from the Metro or Start menu.



2. Enter **vpn.unt.edu** in the text box. Then, click **Connect**.

9	Cisco An	yConnect Secure Mobility Client 🗧 🗆	×
		VPN: Ready to connect. vpn.unt.edu V Connect	
X	⊅ ()		altala cisco

3. Enter your **EUID** and **EUID Password**. Then, click **OK**.

•	Cisco Ar	yConnect vpn.unt.edu	×
	Please ente	r your username and password.	
	Group:	General	~
	Username:	EUID	
	Password:		
		OK Cance	

4. **Accept** to agree to UNT Terms and Conditions of Service.

Cisco AnyConnect	
This system is the property of the University of North Texas and your use of this resource constitutes an explicit binding agreement to abide by relevant federal and state laws and UNT policies (see UNT Policies 3.10, 3.6, and 3.11). Unauthorized use of this system is prohibited. Violations can result in severe penalties and possible criminal prosecution. There is no reasonable expectation of privacy and you consent to monitoring, review and disclosure of information by using this system.	^
Accept Disconnect	

You will be connected to the Campus VPN and you are now logically on the UNT network.

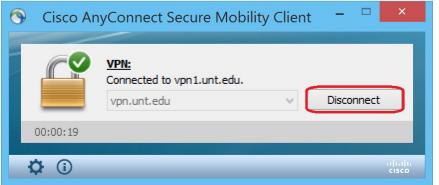
If you look at the bottom right side of your task bar you should notice an icon ⁽¹⁾. You can double click on that icon to bring up the AnyConnect client. Once the client is up you can see stats and details on what the Campus VPN gave you. This is a good way to make sure you are connected correctly if you have any problems.

•	Cisco An	yConnect Secure Mo	obility Client		×
		VPN: Connected to vpn1.unt.ed vpn.unt.edu	lu. V	Disconnect	
	00:00:19				
3	¢ ()			_	uhuhu cisco

To log off from the AnyConnect client, you can right click the icon and then select disconnect or bring up the AnyConnect client and click the "**Disconnect**" button

Apple OS X Configuration

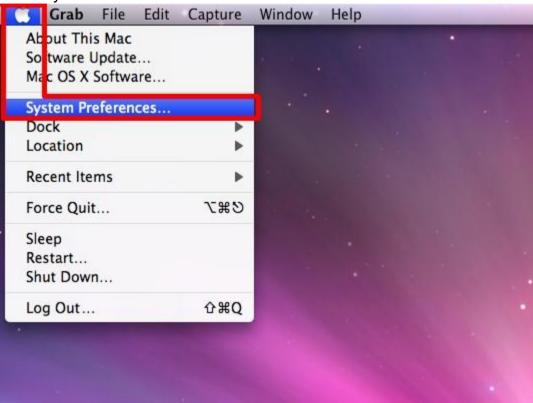
This series of steps applies to Apple OS X Snow Leopard, Lion, Mountain Lion, or



Mavericks. You will need an active Internet connection and administrator credentials to access the Campus VPN.

Click

1. Access **System Preferences** by choosing it from the Apple menu or by opening it from your Dock.





2. Network.

000			System I	Preferences			
< ► S	how All					Q	
Personal							
File New	1			0	Ó		
Appearance	Desktop & Screen Saver	Dock	Exposé & Spaces	Language & Text	Security	Spotlight	
Hardware							
						H	0
CDs & DVDs	Displays	Energy Saver	Keyboard	Mouse	Trackpad	Print & Fax	Sound
Internet &	Wireless						
		8					
MobileMe	Network	Bluetooth	Sharing				
System							
11		**	()	-	2	۲	
Accounts	Date & Time	Parental Controls	Software Update	Speech	Startup Disk	Time Machine	Universal Access
Other							
1							
Flash Player							

3. Click on the **plus sign (+)** in the bottom left corner to add a new connection.

	Location: Automatic	\$	
AirPort Connected	Status:	Connected Turn Air	Port Off
Ethernet Not Connected	«··»	AirPort is connected to eaglenet an IP address 172.18.100.31.	nd has the
FireWire	Network Name:	eaglenet	\$
Hot connected		Ask to join new networks	
		Known networks will be joined aut If no known networks are available be asked before joining a new netv	, you will
+ - *-	Show AirPort state	us in menu bar 🛛 🔍 Adva	nced) (?

4. Configure the following items. Then, click **Create**.

Click

Interface: VPN VPN Type: Cisco IPSec Service Name: UNT VPN

Interface:	VPN
VPN Type:	Cisco IPSec
Service Name:	UNT VPN

5. Configure the following items. Then, click **Authentication Settings**.

Server Address: **vpn.unt.edu** Account Name: **EUID** Password: **EUID Password**

	Location:	Automatic	\$	
• AirPort Connected		Status:	Not Configured	
Ethernet Not Connected	~~ >			
● FireWire Not Connected	**			
		Server Address:	vpn.unt.edu	
Not Configured		Account Name:	EUID	
		Password:	·····	
			Authentication Settin	ngs
+ - \$-		Show VPN status	n menu bar	Advanced ?

6. Configure the following items. Then, click **OK**.

Shared Secret (case sensitive): **untvpnaccess** Group Name (case sensitive): **General**

Shared Secret:	•••••	
Certificate	Select	Configured
C N		
Group Name	: General	

7. Click **Connect**.

Lo	cation: Automatic
AirPort Connected Connected Connected FireWire	Status: Not Configured
Not Configured	Server Address: vpn.unt.edu Account Name: EUID Password: ••••••• Authentication Settings Connect
+ - 0-	Show VPN status in menu bar Advanced) ?

8. A prompt will appear. Configure the following items. Then, click **OK**.

Account Name: EUID Password: EUID Password

	VPN Connection
	Enter your user authentication
-	Account Name:
	euid0123
	Password:
	Cancel OK

9. Read the UNT Terms of Service. Click OK if you understand and agree to the Terms of Service.

	VPN Connection
Y	This system is the property of the University of Nort Texas and your use of this resource constitutes an explicit binding agreement to abide by relevant federal and state laws and UNT policies (see UNT Policies 3.10, 3.6, and 3.11). Unauthorized use of this system is prohibited. Violations can result in severe penalties and possible criminal prosecution. There is no reasonable expectation of privacy and you consent to monitoring, review and disclosure of information by using this system.
	Disconnect

Android Configuration

Most Android devices can also support a VPN connection using an app. While there are a variety of apps which can effectively connect to the UNT System Campus VPN, this guide continues to use Cisco AnyConnect.

To download and install the Cisco AnyConnect app, go to the Google Play Store and find the appropriate app for the device.

https://play.google.com/store/apps/details?id=com.cisco.anyconnect.vpn.android.avf&hl =en

Cisco AnyConnect ICS is a free app and requires Android 4.0.3 or later. Not all manufactures of Android devices support ICS. Cisco offers alternative versions for some Samsung devices and rooted devices.

1. Launch the Cisco AnyConnect Secure Mobility Client app.

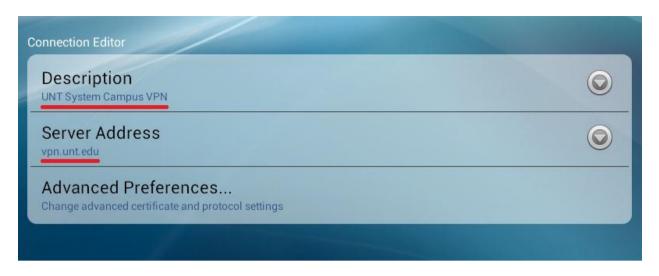


2. Tap Add New VPN Connection.

CISCO Secure Mobility Client	Ę
AnyConnect VPN No connection selected	0
Choose a connection Add New VPN Connection	

3. Configure the following items.

Description: UNT System Campus VPN Server Address: vpn.unt.edu



4. Tap **Done** at the bottom of the screen.



5. Tap on the UNT System Campus VPN button.

CISCO Secure Mobility Client	Ę
AnyConnect VPN Disconnected: UNT System Campus VPN	0
Choose a connection	
UNT System Campus VPN	
Add New VPN Connection	

6. If this is the first time using Cisco AnyConnect on the device, a warning popup will appear. Check the box I trust this application and select OK.

Attention			
AnyConnect attempts to cr By proceeding, you are giving the intercept all network traffic. Do N application . Otherwise, you run t compromised by a malicious sof	e application permission to IOT accept unless you trust the he risk of having your data		
Cancel	ок		

7. Configure the following items in the new prompt. Then, click **OK**.

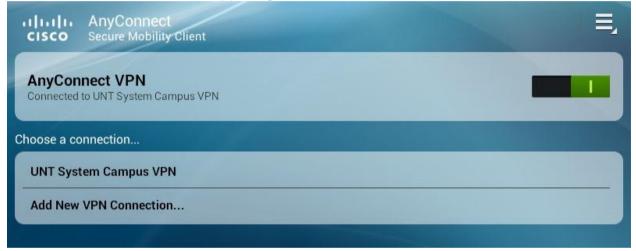
User Group: **General** Username: **EUID** Password: **EUID** Password

Group	ime and password.
General ^{Username} EUID Password	
EUID password	

8. Tap **Accept** if you agree to the Terms of Service and finalize your VPN connection.

AnyConnect				
Please respond to VPN banner				
This system is the property of the University of North Texas and your use of this resource constitutes an explicit binding agreement to abide by relevant federal and state laws and UNT policies (see UNT Policies 3.10, 3.6, and 3.11). Unauthorized use of this system is prohibited. Violations can result in severe penalties and possible criminal prosecution. There is no reasonable expectation of privacy and you consent to monitoring, review and disclosure of information by using this system.				
Cancel	Accept			

9. The main button will now appear green to confirm an active VPN connection.



10. To close the connection, swipe the green tab to the left.



Apple iOS Configuration

This guide details setting up the UNT System Campus VPN using the built in iOS VPN functionality. Alternatively, you may use the Cisco AnyConnect Secure Mobility Client app available for free in the Apple App Store.

1. Tap **Settings** on your iPhone / iPad / iPod Touch.



2. Tap General

•••• A	T&T 🗢 9:05 AM	0 92%	_)
	Settings		
≁	Airplane Mode	\bigcirc	
?	Wi-Fi	97WYH	>
*	Bluetooth	Off	>
((_A))	Cellular		>
	Notification Center		>
	Control Center		>
C	Do Not Disturb		>
\bigcirc	General		>
()	Sounds		>

3. Tap **VPN** (some devices will have **Network** listed in the General menu, then tap **VPN**).

•	●●●● AT&T 🗢 9:05	AM © 92%	D
	K Settings Gen	eral	
	Restrictions	Off	>
	Date & Time		>
	Keyboard		>
	International		>
	iTunes Wi-Fi Sync		>
	VPN	Not Connected	>
	Profile		>
	Reset		>

4. Tap Add VPN Configuration...

•••• AT&T 🗢	9:05 AM	õ 92% E
Ceneral	VPN	
VPN		\bigcirc
CHOOSE A CO	NFIGURATION	
Add VPN	Configuration	n >

5. Select **IPSec** from the options at the top of the screen.

●●●○○ AT&T 穼	9:05 AM	0 92% E)		
Cancel Add Configuration Save				
L2TP	РРТР	IPSec		
Description	Required			
Server	Required			
Account	t Required			
RSA Securll	D	\bigcirc		
Password	Ask Every Time			
Secret				
Send All Tra	ffic			
PROXY				
Off	Manual	Auto		

6. Configure the following items. Then, click **Save**.

Description: UNT VPN Server: vpn.unt.edu Account: EUID Password: EUID Password Group Name (case sensitive): General Secret (case sensitive): untvpnaccess			
	•••• AT&T 穼	9:05 AM	0 92% -
	Cancel A	dd Configuration	Save
	L2TP	РРТР	IPSec
		cisco	
	Description	UNT VPN	
	Server	vpn.unt.edu	
	Account	EUID	
	Password	•••••	
	Use Certific	ate	\bigcirc
	Group Nan	ne General	
	Secret •	•••••	

7. Swipe **VPN** to **On**. You should see Status change from Starting to Connecting.

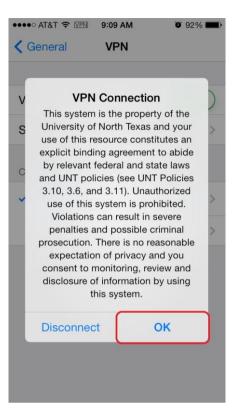
•••• AT&T 穼	9:08 AM	õ 92% 💼
Ceneral	VPN	
VPN		\bigcirc
CHOOSE A CO	NFIGURATION	
	L.	(i) >
Add VPN	Configuratio	n >

8. A prompt will appear. Configure the following items. Then, click **OK**.

Account Name: EUID

Password: EUID Passwo	rd	
(nnection r authentication
	EUID	
	Cancel	ОК

9. Tap **OK** if you agree to the Terms of Service and finalize your VPN connection.



10. You should now see Status: **Connected**



IKEv2(Internet Key Exchange Version 2)

AnyConnect has been configured to use IKEv2 encryption protocol to connect to the VPN appliance securely. IKEv2 use UDP port 500 for connectivity. This protocol is good at automatically reestablishing a VPN connection when users temporarily lose their internet connections. In order to use this feature, a user has to select the "General-IKEv2" Group from the drop down box and connect to the VPN. When a user use the General-IKEv2 Group and connect to the VPN for the first time, the system will push an XML profile to the users PC. The AnyConnect will use the XML profile pushed to the users PC for all future VPN connections. There are 2 step to use the IKEv2 .

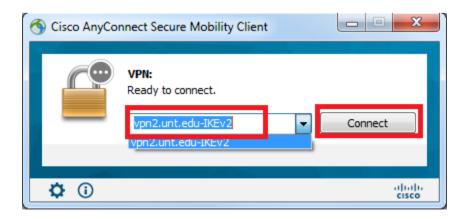
1)The first step is to push the XML profile.

S Cisco AnyConnect vpn.unt.edu	
Please enter your username and password.	S Cisco AnyConnect Secure Mobility Client
Group: General-IKEv2 Username: Password:	VPN: Ready to connect. vpn.unt.edu
OK Cancel	✿ ①

Once connected to the group "General-IKEv2", the XML profile is pushed to the PC but still connected to the VPN using SSL protocol because the IKEv2 profile is only pushed but not used.

2) The second step is to use the pushed XML profile pushed in step 1

Once the XML profile is pushed, you will be able to see and select from the drop down box as bellow before you login with your EUID and password



Checking if the connection use IKEv2

Sisco AnyConnect Secure Mobi	ility Client				
cisco AnyCo	nnect Secure Mobility Cli	ent i			
Virtual Private Network (VPN) tails Firewall Message History	Diagnostics			
Control Frames		^ ^			
Sent:	11				
Received:	45				
Client Management		^			
Administrative Domain:	Undefined				
Profile Name:	vpn2-unt-general-ikev2.xml				
Transport Information		^]			
Protocol:	IKEv2/IPsec NAT-T				
Cipher:	AES_256_SHA512	-	Cisco AnyC	onnect Secure Mobility Client	
Compression:	None	=			
Proxy Address:	No Proxy				
Feature Configuration		^ [_]]		VPN: Connected to vpn2.unt.edu-IKEv2.	
FIPS Mode:	Disabled			connected to vprizionaled hever	
Trusted Network Detection:	Disabled	-		vpn2.unt.edu-IKEv2 👻	Disconnect
	Reset	Export Stats	00:00:54		IPv4
					CISCO

SBL(Start Before Logon)

Start Before Logon feature is added to the AnyConnect to allow users to connect to the VPN before login to Windows (Windows only feature). This feature help the user to access mapped network drives once connected to VPN and login to the windows.

There are 2 steps in using the SBL feature. The first one is to download the SBL XML profile and the 2nd step to use the SBL feature.

 The user has to select the Group "SBL-Clients" from the drop down box before login to the AnyConnect. once connected, the XML profile is pushed to the users PC

Sisco AnyConnect	vpn.unt.edu	η	
Please enter y	your username and password.	S Cisco AnyCo	Connect Secure Mobility Client
Group:	SBL-Clients 👻		VPN
	General General-IKEv2		Please enter your username and password.
i	HDatacomm		un un alt
	SBL-Clients Vendor		vpn.unt.edu 👻 Connect
	OK Cancel	\$ ()	uluih cisco

2) Once the XML profile is pushed to the user's PC. The user has to restart the PC. Once the PC is rebooted, the user will be able to see the following icon on the Widows login screen when you press Alt+ Ctrl (or Alt +ctrl + del). The user has to click on the network icon and login to the VPN first and then login to the Windows.

