



## University Computing & Telecommunications Virtual Private Networking: How To/Self-Help Guide - Windows Operating System.

E-Mail: [SupportCenter@uhcl.edu](mailto:SupportCenter@uhcl.edu) ▪ Phone: 281-283-2828 ▪ Fax: 281-283-2969 ▪ Box: 230 ▪ <http://www.uhcl.edu/UCT>

A VPN (Virtual Private Network) provides a secure, encrypted tunnel from your computer to UHCL's network when off campus. UHCL offers VPN software to allow authenticated, secure access to many UHCL resources from home. In order to utilize this service you must have:

1. A broadband connection.
2. Download and installed the VPN client from the [Download page](#).
3. Configure the client according to instruction found from the links below.

Support for VPN is limited; the only support is this documentation. Read entire document before proceeding and refer to the troubleshooting section; telephone support is *not* offered for VPN.

### Minimum Requirements

We cannot guarantee functionality or provide support for systems that do not meet the following minimum requirements.

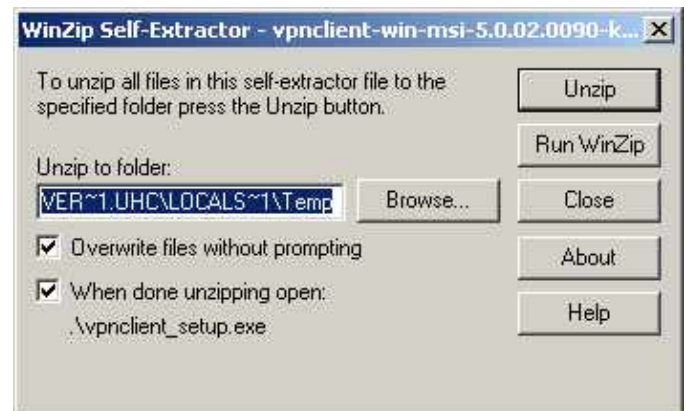
- Operating System: Windows 2000, Windows XP, or Windows Vista
- 750 MHz or higher Pentium-compatible CPU.
- 128 megabytes (MB) of ram; more generally improves responsiveness.
- 10 megabytes of free disk space to install the Cisco VPN-Client.
- UCT recommends at least 2 (GB) free disk space for file access.
- Pre-existing broadband Internet connection, such as DSL or Cable. Dial up access is *not* supported.

**WARNING: This software is not intended for installing on your office computer. Please do not attempt to install this software on PCs on campus. They are already connected to the UHCL network and do not require VPN.**



## Installation

1. Locate the file you downloaded from the [Download page](#); it should be named “vpncient-win-msi-5.0.02.0090-k9.exe”.
2. Double-click the file to start the process:
  - The default settings will automatically extract and begin the installation process.
  - If you receive a “Security Warning” screen that looks like this, then click the button labeled “Run.”
  - Click “Unzip”
  - Click “Ok”
  - If you have an older VPN client installed, it will be uninstalled automatically, and your settings transferred to the new version.
3. On the Welcome screen, click “Next.”
4. Select “I accept the license agreement.”



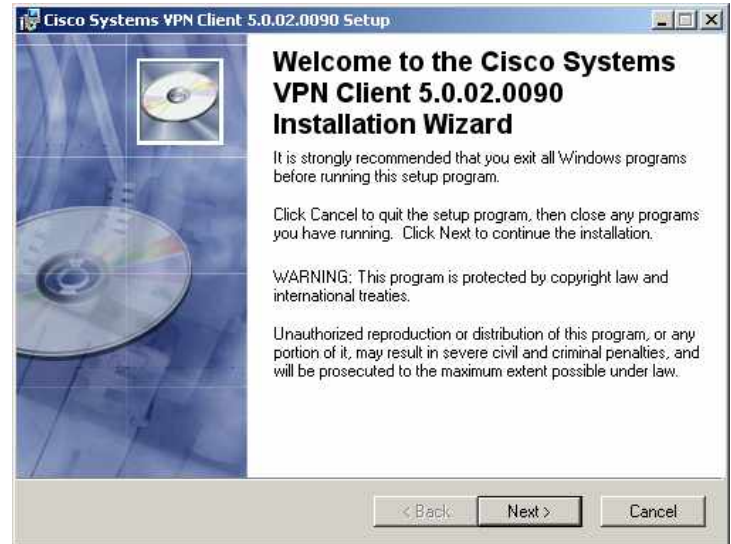
Steps 1 & 2



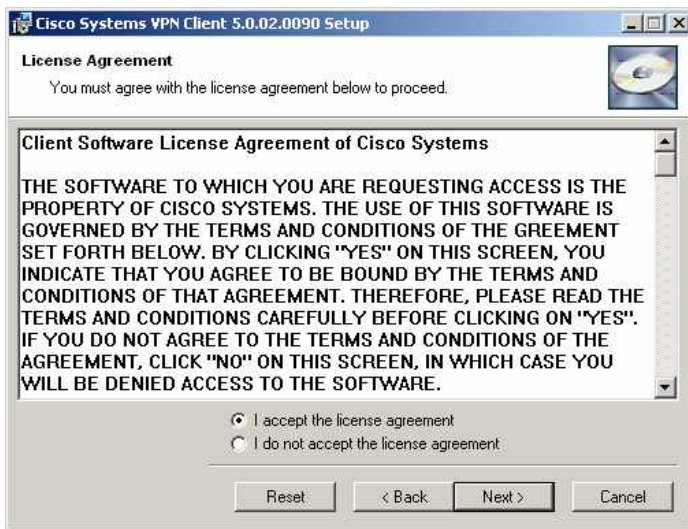
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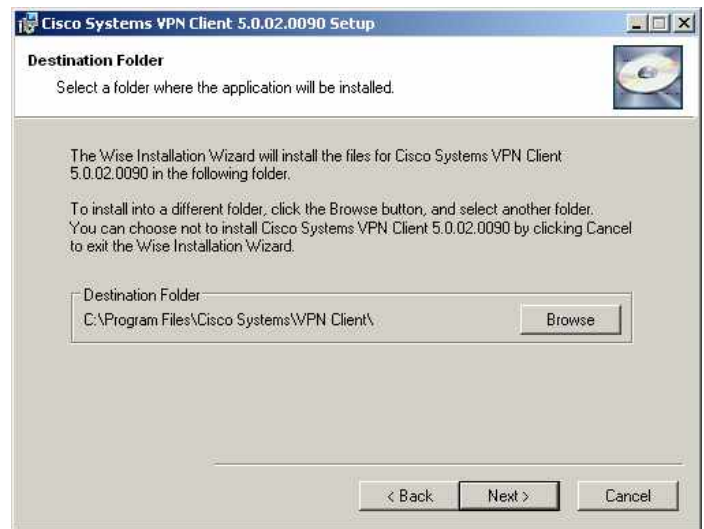
5. Select the location where you would like the software installed. The default is usually fine.
6. Click "Next."
7. Click "Next."
8. Allow the software to complete the installation process, and then click "Finish."
9. You will be prompted to reboot your computer. Save any open files and click "Yes" to restart your computer.



Step 3



Step 4

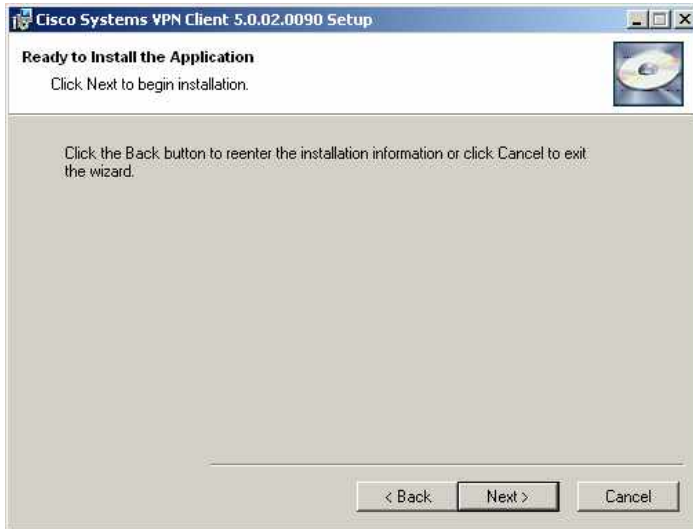


Step 5 & 6

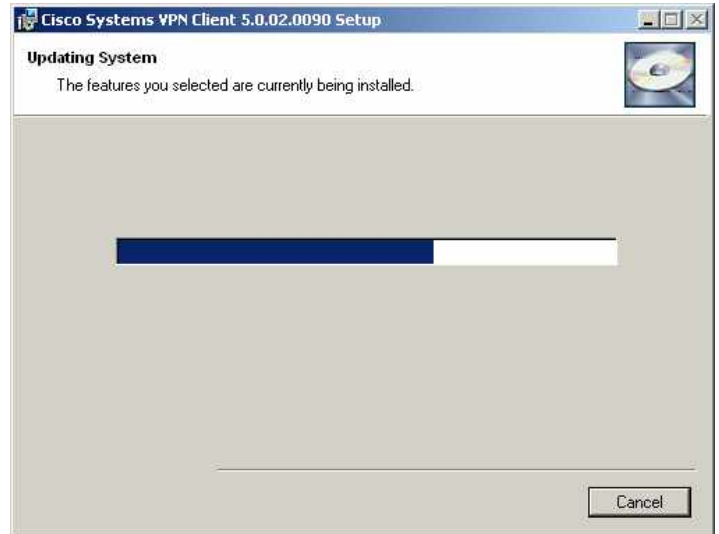


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Step 7



Step 8

### Set Up – after installation

If you are simply upgrading, then following the install procedure above will have transferred your settings to the new version, *no additional set up is required.*

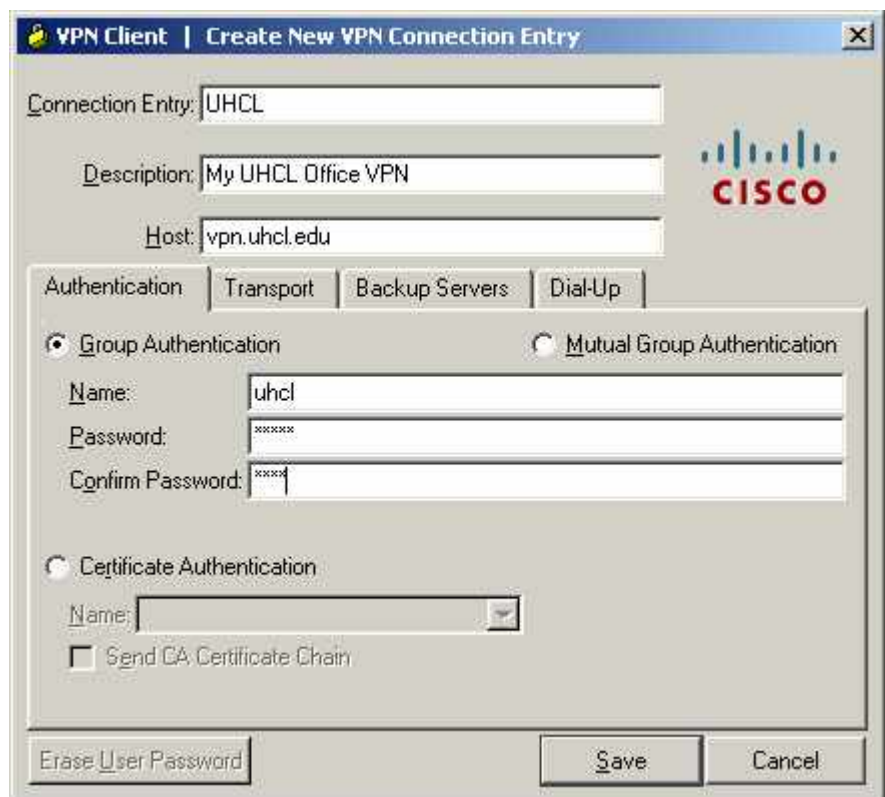
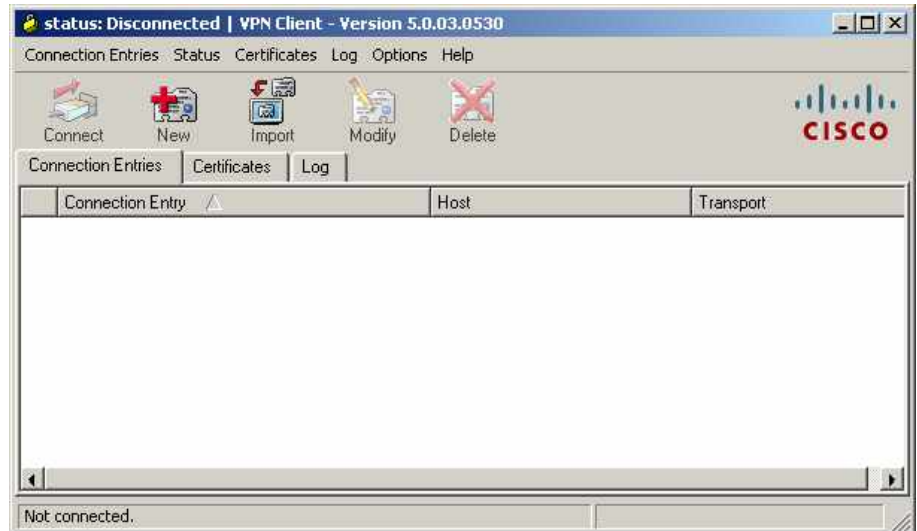


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*If you are installing for the first time, follow the steps below.*

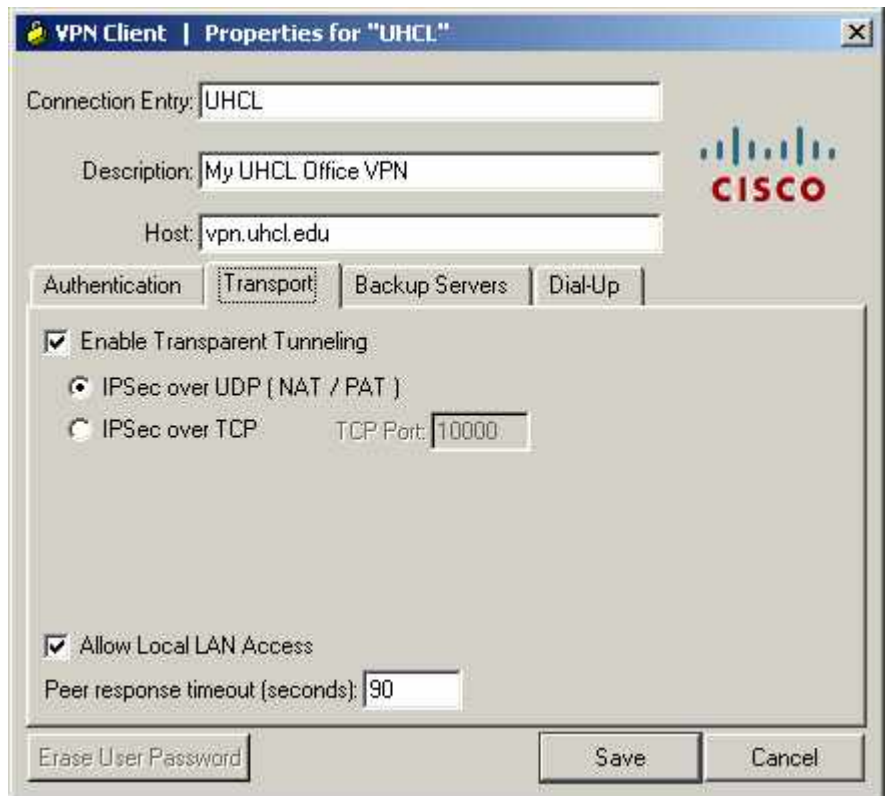
1. Start the Cisco VPN Client.
2. Click the “New” icon on the tool bar.
3. Give your new connection a name, like “UHCL” - the name you choose should help you remember what this connection is for; it does not affect anything else.
4. Enter a description.
5. In the “Host” box, put “vpn.uhcl.edu” – don’t include the quotation marks.
6. Make sure the radio button for “Group Authentication” is selected.
7. In the “Name,” “Password,” and “Confirm Password” fields, type “uhcl” (again, omit the quotation marks).
8. Click the “Transport Tab”
9. Check the box marked “Enable Transparent Tunneling” and choose the radio button for “IPSec over UDP”. (Note: See Troubleshooting if you can’t connect with this setting.)
10. Check the box marked “Allow Local LAN Access.”
11. Click “Save.”



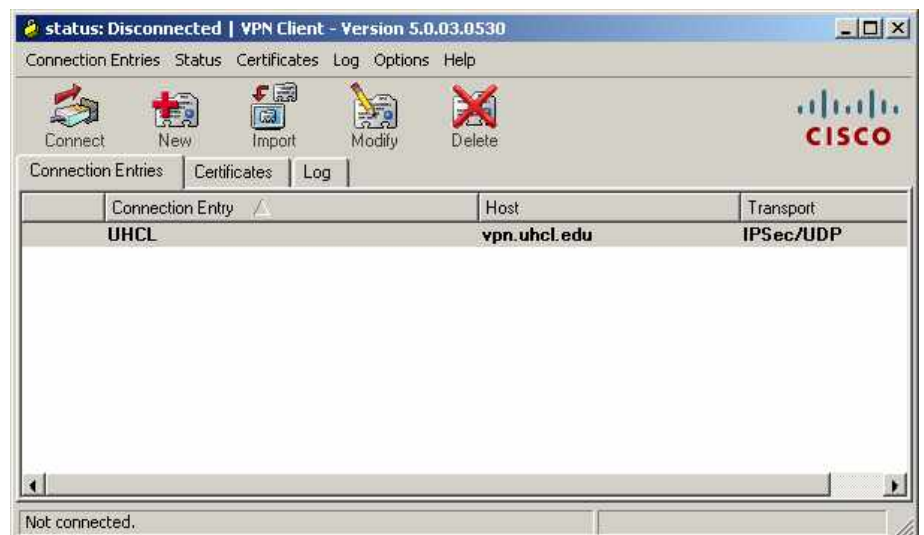


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When setup is complete, your screen should look like the screen to the left.





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### Troubleshooting

Support for VPN is limited; the only support offered is this documentation; telephone support is *not* offered for VPN.

1. Make sure you have downloaded the correct software for your Operating System.
2. Make sure that you are using the current version – as of this writing that is version 5.0.02.0090. If you are attempting to use an older version, you may be unable to establish a connection. You can obtain the latest software for VPN on the [UCT web site](#). Please be aware that as of this writing (October, 2008) there is no VPN software for Windows Vista 64.
3. Some DSL and Cable providers use differing configurations for handling data like VPN. In the Transport tab of the settings, try enabling IPSec over TCP if you are using IPSec over UDP (NAT / PAT) or vice versa. You may need to change this setting if you travel frequently and the internet service provider or network provider uses a different configuration than you use normally.
4. Disconnect from VPN and verify that normal Internet access is working. If normal Internet access is not working, you cannot connect to the UHCL network via VPN. UCT cannot troubleshoot or support your home's (or other location's) Internet connection. Please contact your service provider.



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### Connecting to your Office computer

Once you have the Cisco VPN client properly installed, and connected, you might be wondering how to connect to your files on your office computer. It's simple.

#### *Using Remote Desktop (both Windows XP and Windows Vista):*

1. Click the Start button; choose Programs (All Programs on Vista) then Accessories, then Select Remote Desktop Client. If you have a shortcut on your desktop, double click on Remote Desktop Connection Icon.
2. Input tag number for your office computer. Note that your computer's tag number should be preceded by a capitol letter 'P' (all desktop computers running Windows XP or Windows Vista).

**Example: P12345**

3. Click OK
4. Input your Username and password, just as if you were logging in on campus.
5. Click OK

You will be connected to your system in your office. This is the recommended means of remotely accessing your computer. Using this method ensures full access to all your files, applications, and ensures that any items you update or change will get properly backed up.



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### *Mapping a Network drive for your office computer.*

Mapping your Data Directory as a network drive is also possible, but does not grant you access to your applications, nor does it ensure that changes you make to files will be properly backed up. *Use this method at your own risk.*

### *Mapping a Network drive for your office computer on Windows XP:*

1. Press the Start Button.
2. Select "Run."
3. Input the Universal Naming Convention (UNC) path to your computer. This will be two backslashes followed by your office computer's tag number.

**Example:** \\P12345

4. This will open an explorer window and allow you to work with files saved in shared folders on your office computer.

If you are prompted to login, use the domain\user id format.

**Example:** UHCL\YourUserId

### *Mapping a Network drive for your office computer on Windows Vista:*

1. Press the Start Button.
2. Select "Network."
3. Click on the Address Bar.
4. Input the Universal Naming Convention (UNC) path to your computer. This will be two backslashes followed by your office computer's tag number.

**Example:** \\P12345

5. This will open an explorer window and allow you to work with files saved in shared folders on your office computer.

If you are prompted to login, use the domain\user id format.

**Example:** UHCL\YourUserId