



Document Description: Wireless installation guide for Windows Vista

Quick Start:

1. Connect to the Wireless Access Point
2. Enable the 'VPN' option on your UniKey account
Tick the VPN Access Option at <https://www.auth.usyd.edu.au/extro/options>
3. Install the Internet Connector Client from the SWITCh website
<http://www.usyd.edu.au/ict/switch/downloads/software/vpn/USYDProxyandVPNInstaller.exe>
4. How to use the Internet Connector client
Double Click on the USYD Internet link on your desktop.
Select the Free or the Paid proxy.
Click the Connect button and enter your UniKey and password.

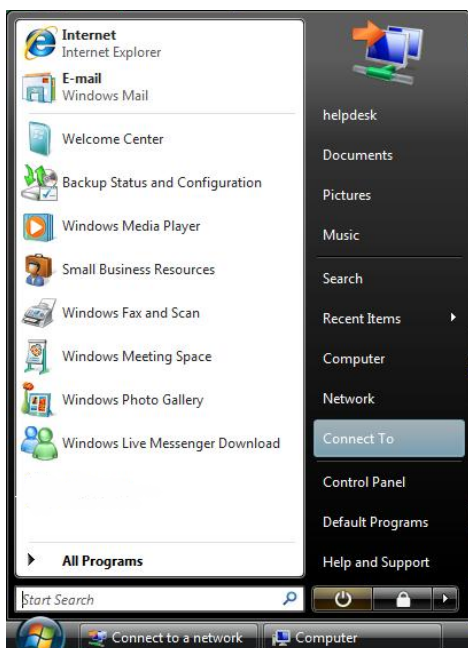
1 Connect to the Wireless Access Point

This section will run through on how to connect to the usyd wireless access point by using windows Vista as the wireless manager. However a large number of laptops come with their own 3rd party wireless manager. You may connect to the wireless access points with a 3rd party manager. If you do connect to the access point with a 3rd party utility, skip to step 2.

Assumptions:

You need to have your wireless card installed and **turned on**. Most laptops require the user to turn the wireless card on by pressing a function on the keyboard or a button on the side of the machine.

1.1. Click on the **Start Menu**, then click on **Connect To**:



1.2. Wireless networks should now appear if you are in an area within the university that has an access point. The university's signal name is **usyd**. **Double-click** on the **usyd** signal or select **usyd** then click **Connect**.





2 Adding the 'VPN' option to your UniKey account

After you have successfully connected to the University's basic wireless signal, the VPN option will need to be added to your UniKey account. The basic wireless access only allows access to secure university websites only. With the VPN option and the Internet Connector Client, you can gain access to all external sites, such as Google or Hotmail.

- 2.1. Open Internet Explorer to this address: <https://www.auth.usyd.edu.au/extro/options>
!! IMPORTANT !! Please type the address **exactly** as it is above; it **must** begin with "https://"! There is an **s** after the http.
- 2.2. Log in using your UNIKEY username and password.
- 2.3. Ensure that the "VPN Access" selection box is ticked. **!! IMPORTANT !!** No other option needs to be changed! If you change other options, your account may be charged! However if you wish to use **Paid Internet** access you will need to select the "Web Access" option.

The screenshot shows a web browser window titled "Extro Account - Change User Options - Windows Internet Explorer". The address bar shows "https://www.auth.usyd.edu.au/extro/options". The page content includes:

- Extro Account - Change User Options**
- Account Options**
- Note: Changing these options could cost you money**
- To view the costs involved with account options go [here](#).
- A table of options:

Disk Quota	2	MB
Mail Quota	2	MB
Modem Access	<input type="checkbox"/>	
VPN Access	<input checked="" type="checkbox"/>	
Web Access	<input type="checkbox"/>	
Unix Access	<input type="checkbox"/>	
Unix Shell	bash	
- Authentication** section with fields for "User Login" and "User Password".
- A "Change Options" button.

A red arrow points to the checked "VPN Access" checkbox with the text "Only select this option!".

- 2.4. Type in your password again at the bottom of the page, then **Click** on the "Change Options" button to make the changes final.
!! IMPORTANT !! After enabling the VPN option, you might have to wait up to 15-20 mins for it to register on the VPN server. This means you will have to wait 15-20 mins before you can use the Internet Connector Client.



3 Installing the Internet Connector client.

The next step is to **download** the **Internet Connector** client.

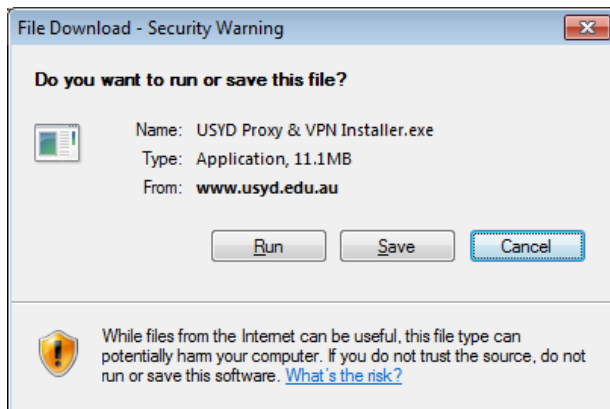
What is it?

This tool allows you choose between limited free Internet (6 MB daily), paid Internet (from Unikey account funds) or reset proxy settings for your own personal or home Internet. It also enables you to connect to the University's wireless Internet using the Cisco VPN client software. The Cisco VPN client allows your computer to make a secure connection to the internet using your UniKey account. It provides security by encrypting data to and from your computer, in effect creating a private tunnel through the Internet for your communication. You will need to use the Internet Connector Client every time you want to access external webpages on the wireless network.

3.1. Download and Install the Cisco VPN from:

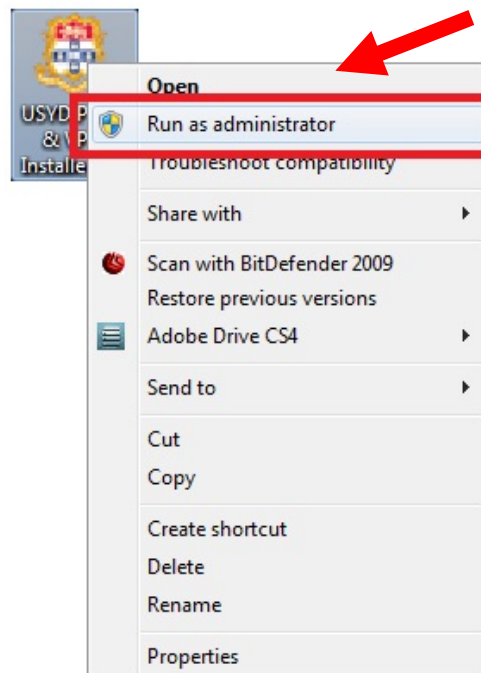
<http://www.usyd.edu.au/ict/switch/downloads/software/vpn/USYDProxyandVPNInstaller.exe>

3.2. When the pop up window appears **Click Save**



3.3. Save the file to a desired location, like your **Desktop**.

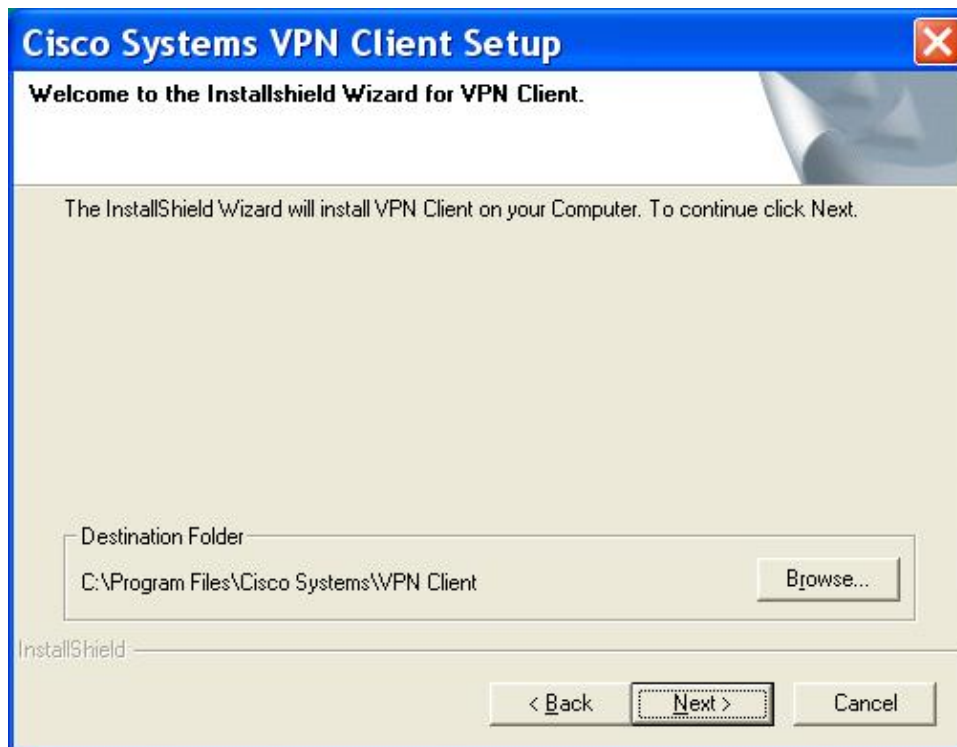
3.4. **Right click** on the USYD Proxy & VPN Installer.exe and select **Run as administrator**.



Don't forget to Run as administrator!



- 3.5. The self-extracting exe file will **automatically** unzip the Cisco VPN client setup files to your machine's default temp directory and **run** the setup program.



- 3.6. Once the Cisco VPN client has been installed, you must **restart** your machine.

4 How to use the Internet Connector client



- 4.1. From the desktop, run the Internet Connector client from the **"USYD Internet"** Icon



4.2. From the new window that opens **select** which **proxy** you wish to use.

The options are:



No proxy server – Select this option if you want to reset the proxy settings for your own personal Internet at home or through another provider.

Free Internet – Use the Internet without charge. Students are allowed 6 megabytes of web traffic each day. The University of Sydney website and Sydneymail do not count towards the 6 megabytes

Note: The home page for Sydney morning Herald or Facebook can be around 1.5 megabytes

Paid Internet – Use the Internet at a rate of 2 cents per megabyte. Money is charged from your Unikey account funds.

4.3. Click on Set Proxy to enable your selection

4.4. If you have selected Free or Paid Internet click on Connect

4.5. In the log in window enter your user name (Your unikey) and password.

Note: Leaving the box ticked will launch Internet explorer after a successful connection.

4.6. Click OK. There will be a short delay followed by a message box to inform you if the connection was successful or not



!! IMPORTANT !! The above settings only changes the proxy for Internet Explorer, as well as other software that uses Internet Explorer's settings. **!! IMPORTANT !!** This includes Windows Update, so if you have it set to automatically install updates we would recommend turning this option off while on campus.

You can manually configure your web browser with one of the following settings

Free Cache: <http://www.usyd.edu.au/proxy-alabs.pac>

Paid Cache: <http://www.usyd.edu.au/proxy.pac>



- 4.1 **Once you have finished** using the wireless internet click the Disconnect button to terminate the VPN connection.
- 4.2 Select the "No proxy server" option.
- 4.3 Click on Set Proxy to enable the no proxy setting. This will enable you to use your computer with other networks again.



5 Troubleshooting

- 5.1 The Authentication window does not popup.
 - A common cause for this is a 3rd party firewall. Try to create an allow rule for the Cisco VPN client.
- 5.2 The VPN client is giving me a driver error when I click connect.
 - The VPN client has some compatibility issues with 3rd party firewalls. Try creating n allow rule for the Cisco VPN client.
- 5.3 Unable to resolve server address after Authenticating with the VPN Client.
 - This error occurs when you are not connected to a network. Make sure you are connected to the access point
- 5.4 The VPN Client keeps asking for a username and password.
 - Check that you have the correct username and password
 - Make sure that you have waited more than 15 mins after you added the VPN option on your UniKey account
 - Make sure you UniKey is does not have a negative balance, as this will prevent you from using the VPN service. You can check you balance at the following site: <https://www.auth.usyd.edu.au/extro/shuser/>

6 Things to Remember

- 6.1 Connect to the USYD Wireless Access Point.
- 6.2 Check your Proxy settings. You must remove the USYD proxy settings, if you are using the computer with a different Internet Service Provider.
- 6.3 Every time you connect to the USYD Wireless network you must run the Cisco VPN Client.