## **UoA-WiFi wireless setup**

For Windows XP using Wireless Zero and Internet Explorer

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**Note**: This guide is for use with Windows XP using Service Pack 3 and its in-built Wireless Zero configuration service only. Other wireless programs will likely work in a similar fashion.

## **1. Installing Security Certificate**

The UoA-Wifi network requires your computer to have a specific security certificate installed. Windows XP does not come with this certificate so you will need to install.

First, download the security certificate from the following URL:

http://www.auckland.ac.nz/webdav/s ite/central/shared/for/currentstudents/student-itessentials/wirelessnetwork/documents/AddTrustExternal %20CA%20Root.cer

Ensure that the certificate file is saved on your Windows XP computer. In this example, the certificate has been saved to the desktop. Right click on the icon for the **'AddTrustExternal CA Root'** certificate, then click on the option **'Install Certificate'**:

Scan with ESET (	IOD32 Antivirus
Advanced option	is )
Open With	
Send To	)
Cut	
Сору	
Create Shortcut	
Delete	
Rename	
Properties	

You should now see the 'Certificate Import Wizard' window. Click **'Next''**:

Last updated: 22/12/2011 Contact: Meha, IC Client Services Consultant Email: <u>ichelpdesk@auckland.ac.nz</u>

Certificate Import Wizard	
	Welcome to the Certificate Import Wizard This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store. A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept. To continue, click Next.
	< Back Next > Cancel

In the next window, ensure that the **`Automatically select the certificate...'** option is selected, then, click **`Next'**:

Incate Store iertificate stores are system areas where certificates are kept. Vindows can automatically select a certificate store, or you can specify a local • Automatically select the certificate store based on the type of certificate • riace an certificate in the rowowing store Certificate store: Brow				
Vindows can automatically select a certificate store, or you can specify a local   Automatically select the certificate store based on the type of certificate  reace an cerunicates in the roisowing store  Certificate store:  Brows	ate Store ificate stores are system ar	eas where certificates	are kept.	
Automatically select the certificate store based on the type of certificate     Trace all certificates in one rollowing score     Certificate store:     Brown	dowr can automatically rela	t a certificate chore in	r vou can cnecifu a lo	cation for
Prace an ceranicaces in one rollowing score     Certificate store:     Brown	• Automatically select the c	ertificate store based	on the type of certific	ate
Certificate store: Brow	Priace air cercinicates in the	Tollowing score		
Brow	Certificate store:			
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The certificate details will automatically detect. In the next window, Click **'Finish'**:

Certificate Import Wizard		×
	Completing the Certificate Import Wizard You have successfully completed the Certificate Import wizard. You have specified the following settings:	
	Certificate Store Selected Automatically determined by t Content Certificate	
	< Back Finish Cancel	

# **UoA-WiFi wireless setup**

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Next, a 'Security Warning' window will open. To install the certificate, click **'Yes'**:



This will complete the install. Click **'OK'** to close the final 'Certificate Import Wizard' window:



### 2. Creating a profile for UoA-WiFi

First, locate the wireless connection icon. It should be on the System Tray at the bottom right, and might look something like this:



If this icon isn't in the system tray, but you do have a wireless card, then your wireless card may be turned off. Find the switch for it on your laptop and switch it to the ON position.

Right-click on the this icon and select 'View Available Wireless Networks'. You should now see the window for 'Wireless Network Connections'. Click on the network called **'UoA-WiFi'**, then click **'Connect'**:

Network Tasks	Choose a wireless network	
💋 Refresh network list	Click an item in the list below to connect to a wireless network in r information.	ande or to det more
Set up a wireless network for a home or small office	(( )) UoA-WIFI	Manual ★
Related Tasks	To connect to this network, click Connect. You might additional information.	need to enter
Change the order of preferred networks	UoA	
Change advanced settings	((p)) UoA-Guest-WiFi	
	Unsecured wireless network	
	((p)) UoA-Secure	

This 'UoA-Wifi' network will now be added to your list of known networks. However, Windows XP will not be able to detect the UoA-WiFi settings correctly until the network is manually configured.

### 3. Configuring UoA-WiFi

From the 'Wireless Network Connection' window click on **'Change the order of preferred networks'**:

Network Tasks	Choose a w	ireless network	
💕 Refresh network list	Click an item in the li information.	ist below to connect to a wireless network	in range or to get more
🔏 Set up a wireless network	((Q)) UoA-V	/iFi	Validating identity ☆
for a nome of small office	Sec	urity-enabled wireless network (WPA2)	
Related Tasks	((Q)) UoA		
(i) Learn about wireless	Unsecu	red wireless network	
networking	((Q)) UoA-G	iuest-WiFi	
Change the order of preferred networks	Unsecu	red wireless network	
Section Change advanced	((Q)) UoA-S	ecure	
settings	Sec.	urity-enabled wireless network (WPA2)	
	((Q)) eduro	am	
	8 Sec	urity-enabled wireless network (WPA2)	
	((Q)) ECE-Re	abotics-Only	
	Sec	urity-enabled wireless network	

You should now see the 'Wireless Network Connection Properties' window.

Click the 'Wireless Networks' tab, click on 'UoA-WiFi' (Automatic)' then click 'Properties':

# **UoA-WiFi wireless setup**

For Windows XP using Wireless Zero and Internet Explorer

eneral	Wireless Networks
Use	Windows to configure my wireless network settings
Avail	able networks:
To co abou	onnect to, disconnect from, or find out more information It wireless networks in range, click the button below.
	View Wireless Networks
Pelov	w: UoA-WiFi (Automatic) Move up
	Move down
Learn	Add Remove Properties about setting up wireless network Advanced
Learn	Add Remove Properties about setting up wireless network Advanced

In the next window, click **'Authentication'** then use the drop-down menu to change the EAP type to **'Protected EAP (PEAP)'**, then click on **'Properties'**:

UoA-WiFi properties
Association Authentication Connection
Select this option to provide authenticated network access for wireless Ethernet networks.
EAP type: Protected EAP (PEAP)
Properties  Authenticate as computer when computer information is available  Authenticate as guest when user or computer information is unavailable
OK Cancel

In the next window, select the 'AddTrust External CA Root' option, then click on **'Configure'**:

Protected EAP Properties 🛛 🛛 🛛
When connecting:
Validate server certificate
Connect to these servers:
Trusted Poot Certification Authorities
Certiposte Classe A Personne
Certiposte Serveur
Certisign - Autoridade Certificadora - AC2
Certisign Autoridade Certificadora AC15
Do not prompt user to authorize new servers or trusted certification authorities.
Select Authentication Method:
Secured password (EAP-MSCHAP v2) Configure
Enable Fast Reconnect
Enable Quarantine checks
Disconnect if server does not present cryptobinding TLV
OK Cancel

In the next window, un-tick the option 'Automatically use my...', then click **'OK'**:

EAP MSC	HAPv2	Propert	ties			×
When co	nnecting					
when ee	raiocarig.		_			
D Aul	omatically sword (ar	y use my V nd domain	√indo if any	ws logo /).	n name a	nd
_						
		OK D		Canaal		
		UN		Lancel		

To apply this configuration, click 'OK' on the subsequent pop-up windows. When these steps are completed, you should be able to login on the UoA-WiFi network.

## 4. Logging in on UoA-WiFi

Whenever you connect to UoA-WiFi, a speech bubble will prompt you to log in.



Click on the speech bubble to bring up the login screen. On the login screen, enter your UoA 'User name' and 'password', then click **'OK'**:

Enter Credent	ials 🛛 🔀
C	
User name:	jblo012
Password:	••••••
Logon domain:	
Save this use	er name and password for future use
	OK Cancel

#### 5. Browsing the Internet

You can now open your internet browser of choice and access both University and non-University websites.

To set up full-speed browsing for non-University sites, **set up NetLogin** as follows.

#### i. Download NetLogin

First, you will need to download the NetLogin client. This programme is free and is available from the following link:

http://ec.auckland.ac.nz/software.htm

Depending on your laptop's specifications, download the 32 or 64 bit application for version **'Windows 3.0.4'**:

OS	Version	
<b>8</b>	Windows 3.0.4 - 32 bit application	
<b>1</b>	Windows 3.0.4 - 64 bit application	

You will need to save this application to a location of your choosing.

#### ii. Set Up Proxy Address

NetLogin will not work unless you enable some settings in your internet browser. To do this, open Internet Explorer, click on the Tools menu at the top, then select Internet Options:

K 🎢 Win	dows Live Live S	Browsing History	Control of the second second second	
	🏉 Internet Ex	InPrivate Browsing Diagnose Connection Problems Reopen Last Browsing Session	Ctrl+Shift+Del Ctrl+Shift+P	i Phot
Q	Internet Exp	InPrivate Filtering InPrivate Filtering Settings	Ctrl+Shift+F	
	What you can t	Pop-up Blocker SmartScreen Filter Manage Add-ons	3 3	
	More infor	Compatibility View Compatibility View Settings		
		Subscribe to this Feed Feed Discovery Windows Update	Þ	
		Developer Tools	F12	
		Send to Bluetooth Device OneNote Linked Notes Send to OneNote Blog This in Windows Live Writer		

In the 'Internet Options' window, Click on the **'Connections'** tab, then click on **'LAN** settings':

# **UoA-WiFi wireless setup** For Windows XP using Wireless Zero and Internet Explorer



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0	To set u Setup.	p an Inter	net conne	ction, dick		Set	up
Dial-up	and Virtua	I Private I	Network se	ettings	-		
						Add	i
						Add V	PN
						Remo	ve
Choos	e Settings for a con	if you nee	ed to confi	gure a proxy		Sett	ings
() Ne	ever dial a	connectio	n				
O Di	al wheneve	er a netw	ork connec	tion is not pre	sent		
O Al	ways dial n	ny default	connectio	n			
Cur	rent	None				Set de	fault
Local A	vrea Netwo	ork (LAN) :	settings -				
LAN S Choo	Settings do se Settings	not apply above fo	to dial-up or dial-up s	connections ettings.		LAN se	ttings

In the LAN Settings window, tick the option that says **'Use automatic configuration script'**. In the address field, type the following address: <u>http://www.ec.auckland.ac.nz/proxy.pac</u>

The window should look like this:

Automatic cor Automatic cor use of manua	Infiguration Infiguration may override manual settings. To ensure the I settings, disable automatic configuration. ally detect settings			
Use auton	natic configuration script			
Address	'/www.ec.auckland.ac.nz/proxy.pac			
Use a proz dial-up or Address:	y server for your LAN (These settings will not apply to VPN connections). Port: 80 Advanced			

Next, when prompted, click **'OK'** on each of the windows that you have already opened.

#### iii. Run NetLogin

To use NetLogin and browse UoA-WiFi at full speed, ensure that you are connected

to the UoA-WiFi wireless network. Next, double-click on the NetLogin icon and sign in with your UoA NetID and password.

**Note 1:** If you want to use the default wireless again, or the proxy settings are causing issues with other Wireless networks that you use, open your browser, then click navigate through: Tools>Internet Options>Connections>LAN Settings, then un-tick **'Use automatic configuration script'**. The window should look like this:

in consider con	figuration		
Automatic con use of manual	figuration may ov settings, disable	erride manual settings automatic configuration	s. To ensure the
Automatica	ally detect settings	5	
Use autom	atic configuration	script	
Address	'/www.ec.auckla		
roxy server			
Use a prox dial-up or \	y server for your PN connections).	LAN (These settings v	will not apply to
		Port: 80	Advanced
Address:			
Address:	proxy server for	local addresses	

From now on, whenever you tick this box, you will be able to use NetLogin, and whenever you untick it, you will use the default wireless service.

**Note 2:** These instructions only describe how to set up the Proxy and get full-speed browsing on Internet Explorer. If you wish to use NetLogin with a different browser, you will also need to set up the Proxy address in that browser.