#### UoA-WiFi Wireless Setup For Windows XP, using Wireless Zero and Internet Explorer

# **UoA-WiFi Wireless Setup** For Windows XP, using Wireless Zero and Internet Explorer

First, a note: This guide is for use with Windows XP, using Service Pack 3 and its inbuilt Wireless Zero configuration service only. Other wireless programs will likely work in a similar fashion.

# 1: Installing the Security Certificate

The UoA-Wifi network requires your computer to have a certain security certificate installed. However, Windows XP does not come with this certificate installed by default, so you will need to install it first.

Download the security certificate from the following URL:

http://www.auckland.ac.nz/webdav/site/cen tral/shared/for/current-students/student-itessentials/wirelessnetwork/documents/AddTrustExternal%20 CA%20Root.cer

Now you will need to install the security certificate on your computer. Ensure the certificate file is saved on your Windows XP computer, then right-click on its icon and select 'Install Certificate':

Г	Install Certificate	
	Scan with ESET NOD32 Antivirus Advanced options	,
	Open With	
	Send To	
	Cut	
	Сору	
	Create Shortcut Delete	
	Rename	_
10	Properties	
AddTru nal CA	istExter A Root	1

# This will start the certificate import wizard. Click 'Next' on the window that pops up:

lertificate Import Wizard		$\mathbf{x}$
	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	

#### On the next window, ensure that 'Automatically select the certificate...' is selected, then, click 'Next':

tificate Import Wizard	
Certificate Store Certificate stores are system a	reas where certificates are kept.
Windows can automatically sele	ect a certificate store, or you can specify a location for
<ul> <li>Automatically select the</li> </ul>	certificate store based on the type of certificate
Priace air cerdinicates in d	le rollowing store
Certificate store:	
	Browse,
	Carrel Next Carrel

The certificate details will detect automatically. Click 'Finish':

Certificate Import Wizard			×
	Completing the C Wizard You have successfully compl wizard. You have specified the follow	Certificate Import eted the Certificate Import wing settings:	
	Certificate Store Selected Content	Automatically determined by t Certificate	
	< Back	Finish Cancel	

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A Security window will pop up asking you to confirm the install. Click 'Yes':



# This will complete the install. Click 'OK' to close the final import window:



## 2: Creating a profile for UoA-WiFi

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



If this isn't there, 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 icon and select 'View Available Wireless Networks' to bring up the menu below. Click on the connection called 'UoA-WiFi', then click 'Connect'



This will add the 'UoA-Wifi' network to your known networks list. Unfortunately however,

Document Version 1.01, 29/04/2011 Created by Andreas Krieg, Information Commons Windows XP will not be able to detect its settings correctly, and the network will not connect yet. We will need to manually configure the network.

# 3: Configuring UoA-WiFi

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

Choose	e a wireless network	
Click an ite information	m in the list below to connect to a wireless networ h.	k in range or to get more
((Q))	UoA-WiFi	Validating identity 🚖
	Security-enabled wireless network (WPA2)	
((g))	UoA	
U	Unsecured wireless network	
((0))	UoA-Guest-WiFi	
	Unsecured wireless network	
((@))	UoA-Secure	
U	Security-enabled wireless network (WPA2)	
((Q))	eduroam	
U	Security-enabled wireless network (WPA2)	
((g))	ECE-Robotics-Only	
	😚 Security-enabled wireless network	
	Choose Cick an ke information ((q)) ((q)) ((q)) ((q)) ((q))	ChOOSE & WIFEIESS NELWORK  Cick an item in the list below to connect to a wireless network  (()) UoA-WIFI  (()) UoA Unscurd wireless network (()) UoA-Guest-WIFI Unscurd wireless network (()) UoA-Scure  (()) UOA-Scure (()) UOA-Scure  (()) UOA-Scure

This will bring you to the Wireless Network Connection Properties window. Ensure that you're in the 'Wireless Networks' tab, then click on 'UoA-WiFi' and click the 'Properties' button:

	ireless Netu	uarka	).			
neral w	IIEIESS INEW	VUIKS	dvand	ed		
Use Wi	ndows to co	onfigure	my wire	less netw	ork setting	3S
Available	networks:					
To conn	ect to, disco	nnect fr	om, or l	ind out m	ore inform	ation
about wi	eless netwo	лк <u>а</u> In 18	inge, ci	ICK ME DU	atton Delot	rv.
			l	View W	reless Nel	tworks
below:	cally conner A-WiFi (Auto	ct to ava matic)	ailable r	networks i	n the orde	er listed
	cally conner	ct to ave	ailable r	networks i	Move	ve up down
Automatic below: Quarter Ada	A-WiFi (Auto	natic) Remov	e	Properti	n the orde Mov Move	r listed ve up down
Automati below:	A-WiFi (Auto	matic) Remove pwirele	e ss netw	Properti	n the orde Move Move	er listed ve up e down
Automati below:	A-WiFi (Auto	matic) Remov	e (	Properti	n the orde Move Move Adva	er listed ve up e down anced
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In the next window, click on the 'Authentication' tab, then use the drop-down menu to change the EAP type to 'PEAP':

UoA-WiFi prope	rties			? 🔀
Association Auth	entication (	onnection		
Select this option wireless Ethernet	to provide aut networks.	henticated n	etwork acce:	ss for
🗹 Enable IEEE	802.1x authent	ication for th	is network	
EAP type: Sma Prot Sma	rt Card or othe ected EAP (PE rt Card or other	r Certificate AP) r Certificate		
Authenticate	as computer wi	hen compute user or comp	r information	is available tion is
			ок	Cancel

## Next, click on 'Properties':

UoA-WiFi properties 🛛 🕐 🔀				
Association	Authentication	Connection		
Select this wireless Et	option to provide hernet networks.	authenticated network access for		
🗹 Enable	IEEE 802.1x auth	nentication for this network		
EAP type:	Protected EAP	(PEAP)		
✓ Autheni Autheni unavail	ticate as compute ticate as guest wi able	Properties er when computer information is available hen user or computer information is		
		OK Cancel		

In the new window that pops up, tick 'AddTrust External CA Root' (if this option is missing, ensure you have completed step 1 from these instructions). After this, click the 'Configure' button:

Protected EAP Properties	? 🔀
When connecting:	
Validate server certificate	
Connect to these servers:	
Trusted Poot Certification Authorities	
AddTrust External CA Root	^
Certiposte Classe A Personne Certiposte Serveur	
Certisign - Autoridade Certificadora - AC2	
Certisign Autoridade Certificadora AC1S	~
<	>
Do not prompt user to authorize new servers or truster certification authorities.	ed
Select Authentication Method:	
Secured password (EAP-MSCHAP v2)	Configure
Enable Fast Reconnect	
Enable Quarantine checks	
Disconnect if server does not present cryptobinding TLV	
ОК (	Cancel

Finally, in the new window that pops up, <u>untick</u> the option that says 'Automatically use my Windows logon name and password (and domain if any)'. Then click 'OK':

EAP MSC	HAPv2 Propert	ies	X
When co	nnecting:		
	omatically use my W sword (and domain	/indows logon name if any).	and
	ОК	Cancel	

Click 'OK' on all the windows below this one to apply the configuration.

Congratulations, the UoA-WiFi network is now configured on your computer! Luckily, you'll only need to do this once.

#### 4. Logging in on UoA-WiFi

Whenever you attempt to connect to the UoA-WiFi network, you will be prompted by a small speech bubble to log in:



Click on the speech bubble to bring up the login screen. On this login screen, for User name type in your **NetID**, and for Password type in your **UoA Password**. Then click 'OK'.

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

#### 5. Browse the Internet

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

However, to set up full-speed browsing for non-University sites, you will need to **set up NetLogin** – see the instructions below.

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# Setting Up NetLogin

(to access full-speed browsing in Internet Explorer)

If you wish, you can enable your computer to use the NetLogin program – this will enable full-speed browsing as per your internet plan.

### 1: Download NetLogin

First, you will need to download the NetLogin client. You can find the program for free from the University website.

# To download the NetLogin client, go to http://ec.auckland.ac.nz/software.htm.

Select the download labeled "Windows 3.0.4 – application". You can save the program wherever you like.

# 2: 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:



This should open the 'Internet Options' window. Click on the 'Connections' tab. In the new window, click on the 'LAN settings' button.



You should now see the LAN Settings window. Now tick the option that says 'Use automatic configuration script', and in the little window below that, type the following address: http://www.ec.auckland.ac.nz/proxy.pac

#### The window should now look like this:



Then press 'OK' on each window.

# 3: Running NetLogin

To use NetLogin (and ensure you are accessing the Wireless at full speed) first make sure you are **connected to the UoA-WiFi wireless**. Then **double-click on NetLogin** and **sign in**.

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Once you have done this, you will be browsing at full speed.

**Note 1:** If you later want to use the default wireless again, or the proxy settings are causing issues with other Wireless networks that you use, just open your browser, click on 'Tools', 'Internet Option', go to the 'Connections' tab and click on 'LAN Settings' (see the beginning of this section for images if required). Then **untick** 'Use automatic configuration script'. The window will then look like this:



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 detail how to set up the Proxy and get full speed access on Internet Explorer. If you wish to use NetLogin with another browser, you will need to set up the Proxy address in that browser as well.

If you need assistance with this, please contact the IC Helpdesk staff.