<u>Wits Wireless Configuration – Windows XP</u>

Contents

Contents	1
WPA Setup.	
Proxy Settings	
Common Errors and Solutions.	

For any help on installing or configuring this software please contact the CNS Help Desk :-

Telephone number (011) 717 1717

E-mail ithelp@wits.ac.za

or visit the CNS Help Desk at

SH1064, 1st floor

Senate House

East Campus

University of the Witwatersrand

WPA Setup

1.1. Selecting Wireless Network

Click on "Start" and select "Control Panel".



Click on "Network and Internet Connections".



Click on "Network Connections".



Right click on the "Wireless Network Connection" and select "View Available Wireless Networks".



1.2. WPA setup



Double Click on the WPA Access Point "Cns_WPA".



Click on "Change advanced settings".



Select the "Wireless Networks" tab on the top of the dialog.

🔟 Wireless Network Connection Properties 🛛 🧧	
Genera Wireless Networks Advanced	_
Connect using:	
Intel(R) Wireless WiFi Link 4965AG	ן כ
This connection uses the following items:	
Elient for Microsoft Networks	
Eacfit Driver	
File and Printer Sharing for Microsoft Networks	
Install Uninstall Properties	
Description	
Allows your computer to access resources on a Microsoft network.	
Show icon in notification area when connected Notify me when this connection has limited or no connectivity.	
ОК Салса	el

Select/highlight the "Cns_WPA" network under "Preferred networks:" and click on the "Properties" button.

👍 Wireless Network Connection Properties 🛛 🕐 🔀
General Wireless Networks Advanced
✓ Use <u>Windows to configure my wireless network settings</u>
Available networks:
To connect to, disconnect from, or find out more information about wireless networks in range, click the button below.
View Wireless Networks
Preferred networks: Automatically connect to available networks in the order listed below:
Add <u>R</u> emove Properties Learn about <u>setting up wireless network</u> Advanced
OK Cancel

Select the "Authentication" tab.

Change the "EAP type:" to "Protected EAP (PEAP)". Untick the two authentication options "Authenticate as computer when computer information is available" and "Authenticate as guest when user or computer information is unavailable".

Click on the "Properties" button.

Cns_WPA 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

Disable "Validate server certificate" and click on the "Configure..." button

Protected EAP Properties
When connecting: Validate server certificate
Trusted <u>Root</u> . Certification Authorities: AAA Certificate Services ABA.ECOM Root CA AC RAIZ DNIE A-CERT ADVANCED ACNLB Agence Nationale de Certification Electronique Agence Nationale de Certification Electronique
Do not grompt user to authorize new servers or trusted certification authorities.
Secured password (EAP-MSCHAP v2)
Enable Fast Reconnect Enable Quarantine checks Disconnect if server does not present cryptobinding <u>T</u> LV OK Cancel

If your computer is already joined to the Active Directory domain you need to ensure that the "Automatically use my Windows logon name and password" option is enabled, otherwise untick it.

EAP MSCHAPv2 Properties
When connecting: Automatically use my Windows logon name and password (and domain if any).
OK Cancel

Select the OK button four times.

If your computer is not on AD, a message will pop up on the bottom of your screen near the clock.



Click on the message.

Enter Credent	ials 🛛 🔀
User name:	userid
Password:	••••
<u>L</u> ogon domain:	DS
Save this use	er name and password for future use
(OK Cancel

Enter your staff/student number, password and login domain (DS for staff, STUDENTS for students) and press "OK".

Proxy Settings

Open "Internet Explorer" and go to "Tools". Select "Internet Options", click on the "Connections" tab.



Go to "Local Area Network (Lan) settings" and click on "Lan Settings". Under "Proxy server" tick the "Use a proxy server for ..." box.

In the "Address:" field add the following:

For Staff members: "proxyad.wits.ac.za" and the "Port:" to "80". And for Students: "proxyss.wits.ac.za" and the "Port" to "80".

Automatic col use of manua	nfiguration may over al settings, disable ar	rride man utomatic	ual settin configura	igs. To ensure the tion.
Automati	cally detect settings			
Use autor	matic configuration s	cript		
Address				
 Use a pro dial-up or 	xy server for your L VPN connections).	AN (Thes	se setting	s will not apply to
Address:	proxyss.wits.ac.z	Port:	180	Advanced
E Bunac	s proxy server for k	ocal addr	esses	

Click on "Advanced".

On the "Proxy Settings" window tick the "Use the same proxy server for all protocols" box.

The "Exceptions" field should be blank.

L Type	Proxy address to use	Port
HTTP:	proxyss.wits.ac.za	: 80
Secure	proxyco.wita.ac.za	: 30
FTP:	proyes wits ac za	: 50
Gophe	r: proxyse witt ac za	: 80
Socks:	1	
Us 🖓	e the same proxy server for all	protocols
Ceptions	use proxy server for addresse	s beginning with:
Lice co	micolone (+) to conserate entrie	

Click on the "Ok" button.

Click on "Ok" on the "Local Area Network (LAN) Settings" window.

Click on "Ok" on the "Internet Options" window.

Close "Internet Explorer" and restart it.

Open a new page and a popup should ask for a "Username" and "Password".

The "Username" would be: For staff:

ds*your staff number here*

For Students:

students\your student number here.

The password should be your password you use to access your Email. If you are not sure on what your password is or would like to reset/change it, go to the "Password Self Service" page: <u>Password Self Service</u> Or you could contact the CNS HelpDesk telephonically:

(011) 717 1717

Or visit the CNS HelpDesk at SH1064, 1st floor Senate House, East Campus, University of the Witwatersrand.

Common Errors and Solutions

- Can't see wireless networks in range
 - 1. Make sure your wireless adapter is turned on.
 - 2. You may be in an area with no wireless coverage.

Cannot authenticate

1. Make sure the user-id and password is correct and all the protocols have been set as per the procedure.

2. If your computer is not on AD, a message will pop up on the bottom of your screen near the clock. Click on this message. Sometimes this appears too fast and you may miss it.

	<u>∞</u>
Í	(*) Wireless Network Connection
	Click here to select a certificate or other credentials for connection to the network Cns_WPA
	EN 🔇 🖓 🚼 1

- Connected but not able to browse websites
 - 1. This is a known issue with certain network cards on the Windows platform. Either disable power management on the card or plug into power

Proxy not accepting password

The proxy user-id is domain/userid, eg. DS\12345 or STUDENTS\6789. The password is incorrect or the user-id is incorrect.