

IT Training Department eduroam connection guide – Microsoft Windows 2000 and XP



Connection Guide

eduroam

Microsoft Windows 2000 and XP



Document Control

Version	Date	Author	Changes	
1.0	29/11/2011	Martin Macleod-Brown	Initial Manual Production	
2.0	14/12/2011	Robyn Boswell	Conversion to London Business School Formatting	
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Table of contents

1	Introduction	
2	Getting Connected	
3	Requirements	
4	Configuring eduroam	
	4.1 Configuring eduroam with Wireless Zero Configuration	



1 Introduction

The purpose of this document is to provide Microsoft Windows 2000 and XP users with instructions for connecting to the JANET Roaming Service (JRS) eduroam for members of the London Business School community.

2 Getting Connected

The JANET Roaming Service (JRS) at London Business School is advertised via the eduroam wireless network and secured using IEEE 802.1x/ EAP-PEAP authentication.

3 Requirements

The following is required to connect to the JRS eduroam service at London Business School:

- For London Business School Staff, Faculty and Students:
 - A London Business School userid & password.
 - To use eduroam you need to have a @london.edu mailbox hosted by the School. Please note that other arrangements exist for Alumni and Executive Education Participants; please refer to WALT or SetupWifi for further details.
- For External eduroam users of Partner Institutions:
 - Please refer to instructions issued by your own institution's IT department as their requirements for authentication may differ from those required by London Business School. Provided you meet the criteria set by your home institution you should be able to use the eduroam network on the London Business School campus. If you have any queries or need support please refer to your home institution IT Support.
- A certified Wireless Network Connection adapter. The <u>Wi-Fi Alliance</u> can be used to check to see if your product is certified.

4 Configuring eduroam

By default Windows XP has a built-in wireless configuration service.

To check if this service is enabled, follow the instructions below:

Start > Control Panel > Network Connections (icon) > right click on your Wireless Network Connection and select Properties. If the Wireless Networks tab is visible and the option "Use Windows to configure my wireless settings" is ticked, the Wireless Zero Configuration (WZC) service is enabled.

If the Wireless Zero Configuration service is enabled you need to refer to the *Configuring eduroam with Wireless Zero Configuration* section 4.1.

If the Wi-Fi connection is managed by other software you need to identify which client is managing the wireless. This can typically be done by identifying the applications running in the taskbar. Once identified you need to refer to the manufacturer for information on 802.1X EAP PEAP support and configuration instructions. In this instance, the remainder of this document should be used for reference only!



4.1 Configuring eduroam with Wireless Zero Configuration

Open the properties window of your Wireless Adapter. Select (Windows) **Start > Control Panel > Network and Internet** (icon) **> Network and Sharing Centre** (icon) **> Manage Wireless Networks** (under tasks on the left pane).

If the *eduroam* Network is displayed in the list of available Networks, highlight and select the **- Remove** button.

Open the properties window of your Wireless Adapter. Select (Windows) <i>Start > Control</i> <i>Panel > Network Connections (icon)</i> > right click on your Wireless Network Connection and select <i>Properties</i> . Select the Wireless Networks tab .	Wireless Network Connection Properties		
Under the <i>Preferred networks</i> pane select the <i>Add</i> button.	Automatically connect to available networks in the order listed below: snap (Manual) Move up Move down Add Remove Properties Learn about setting up wireless network Advanced OK Cancel		



		Association Authentication	Connection	
Network name (SSID)	eduroam	Network name (SSID):	eduroam	
Connect even if this network is not broadcasted		Connect even if this network is not broadcasting Wireless network key This network requires a key for the following:		
Network Authentication	WPA2 *	Network Authentication:	WPA2	~
Data Encryption	AES	Data encryption:	AES	*
All other options are f If WPA2 is not an ensure the latest Mi Service Pack is inst	e greyed out. option, please icrosoft Windows alled.	Network key: Confirm network key: Key index (advanced): The key is provided fo This is a computer-to-co access points are not us	r me automatically mputer (ad hoc) network	; wireless
		L	ОК	Cancel

Select the <i>Authentication</i> tab and configure as follows:		eduroam properties
EAP type	Protected EAP (PEAP)	Select this option to provide authenticated network access for wireless Ethernet networks.
Select the <i>Properties</i> button.		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



Configure as follows:		Protected EAP Properties		
Validate Server ticked certificate		When connecting:		
Connect to these servers	orps.london.edu	Connect to these servers:		
Trusted Root Certification Authorities	AddTrust External CA Root	Trusted Root Certification Authorities: ACEDICOM Root ACNLB Actalis Authentication CA G1		
Do not prompt user to authenticate	Un-ticked	AddTrust External CA Root AdminCA-CD-T01 Admin-Root-CA AffirmTrust Commercial		
Authentication Method:	password (EAP-MSCHAP v2)	Do not prompt user to authorize new servers or trusted certification authorities.		
	Select the <i>Configure</i> Button: Un-tick Automatically use my Windows logon name and password (and domain if any)	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 CAP MSCHAPv2 Properties		
Enable Fast Reconnect	Enabled	When connecting:		
Enable quarantine checks	Un-ticked	Automatically use my Windows logon name and pessword (and domain if any).		
Disconnect if the server does not present cryptobinding TLV	Un-ticked	OK Cancel		
Click OK until you exit configuration windows	the wireless			

A bubble will be displayed prompting for credentials.

Click on this **bubble**.

👘 Wireless Network Connection 🛛 🔀

Click here to select a certificate or other credentials for connection to the network eduroam



Set User name to your London Business School userid. Note: Your London Business School userid must be appended with @london.edu e.g. student.mba2012@london.edu Set Password to your London Business	Enter Credentials		
School password.	User name:	username@london.edu	
Leave Logon domain blank.	Password:	••••••	
Click OK .	Logon domain:		
	Save this us	ser name and password for future use	

You will now be connected to the eduroam service, from where you can access London Business School Network Resources (e.g. Email) and the Internet.