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
3.0	16/12/2011	Robyn Boswell	Amendments to "Introduction" and "Requirements" sections

Table of contents

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**:
    - o A London Business School userid & password.
    - o 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**:
    - o 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 Wi-Fi Alliance 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) *Start > Control Panel > Network Connections (icon)* > right click on your Wireless Network Connection and select *Properties*.

Select the **Wireless Networks tab**.

Under the *Preferred networks* pane select the *Add*… button.
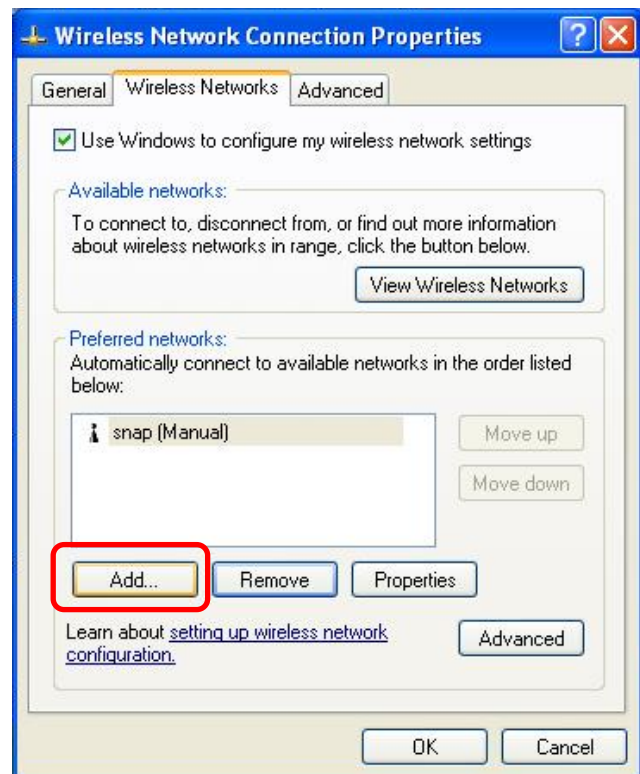
Select the *Association tab* and configure as follows:

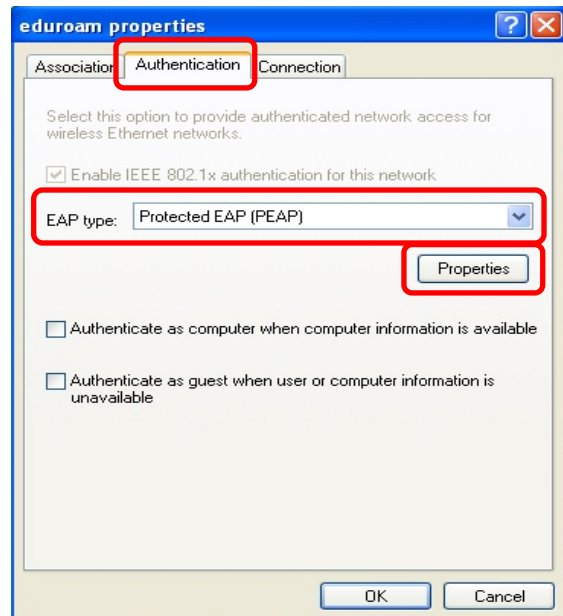|	
Network name (SSID)	**eduroam**
Connect even if this network is not broadcasted	**Un-ticked**
Network Authentication	**WPA2** *
Data Encryption	**AES**

All other options are greyed out.

* If WPA2 is not an option, please ensure the latest Microsoft Windows Service Pack is installed.
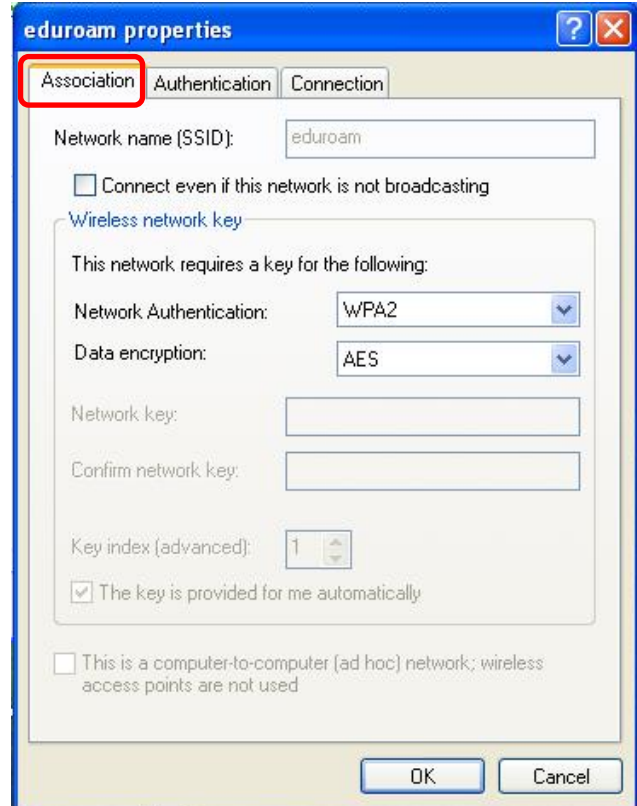
Select the *Authentication tab* and configure as follows:

|	
EAP type	**Protected EAP (PEAP)**

Select the *Properties* button.

Configure as follows:

Validate Server certificate	ticked
Connect to these servers	orps.london.edu
Trusted Root Certification Authorities	AddTrust External CA Root
Do not prompt user to authenticate…	Un-ticked
Select Authentication Method:	Secured password (EAP-MSCHAP v2) Select the *Configure…* Button: **Un-tick** Automatically use my Windows logon name and password (and domain if any)
Enable Fast Reconnect	Enabled
Enable quarantine checks	Un-ticked
Disconnect if the server does not present cryptobinding TLV	Un-ticked
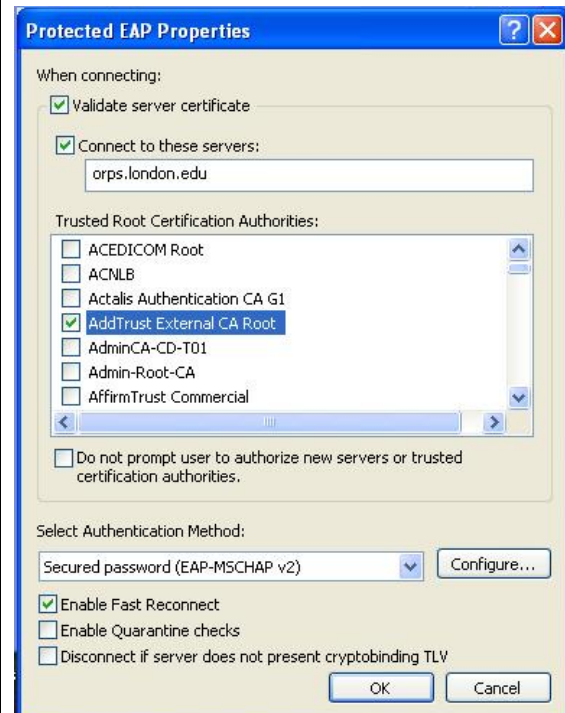
Click **OK** until you exit the wireless configuration windows.

A bubble will be displayed prompting for credentials.

Click on this **bubble**.

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 School password**.

Leave **Logon domain blank**.

Click **OK.**

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.