



## Connection Guide

eduroam

Microsoft Windows 10, 8, 7 and Vista



## Document Control

Version	Date	Author	Changes
1.0	25/11/2011	Martin Macleod-Brown	Initial Manual Production
2.0	28/11/2011	Robyn Boswell	Conversion to London Business School Formatting
3.0	16/12/2011	Robyn Boswell	Amendments to “Introduction” and “Requirements” sections
4.0	04/01/2013	Chris Le Grice	Windows 8 instructions added. Minor corrections made elsewhere.

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## 1 Introduction

The purpose of this document is to provide Microsoft Windows 8, 7 and Vista 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

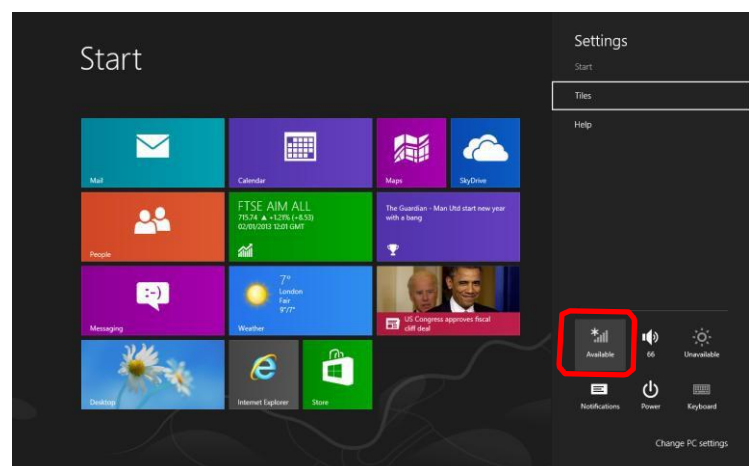
The following is required to connect to the JRS eduroam service at London Business School:

- For **London Business School Staff, Faculty and Students:**
  - A London Business School user ID & 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 Wifi-Setup 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 [Wi-Fi Alliance](#) can be used to check to see if your product is certified.

## 4 Configuring eduroam – Windows 10 and 8/8.1

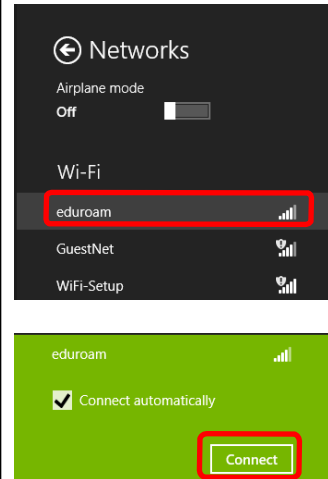
Windows 8 has a built-in wireless configuration service, which is very simple to setup.

From any screen, press the **Windows logo key + I**. Then click on the wireless network icon.

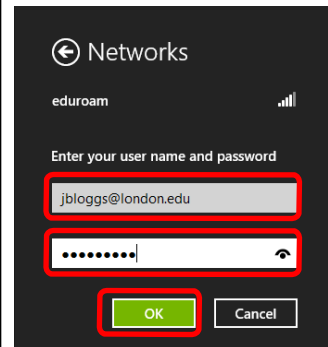




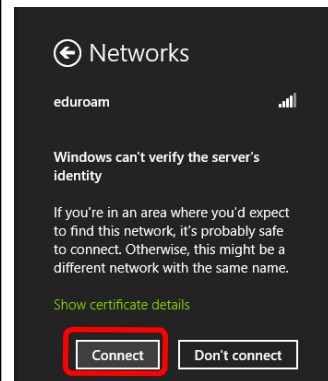
Click on **eduroam** wireless network. Then click **Connect**.



Type your **School email address** and **password**. Click **OK**.



Click **Connect** when asked to verify the server's identity.



## 5 Configuring eduroam – Windows 7 and Vista

By default Windows 7 has a built-in wireless configuration service (WLAN AutoConfig), this guide is written specifically for this service.



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

**Start > Control Panel > Network and Sharing Centre (icon) > Manage Wireless Networks** (under tasks on the left pane). If a list of Wireless Networks is displayed (including *eduroam*), the *WLAN AutoConfig* service is enabled.

If the WLAN AutoConfig service is enabled you need to refer to the *Configuring eduroam with WLAN AutoConfig* 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!

## 5.1 Configuring eduroam with WLAN AutoConfig

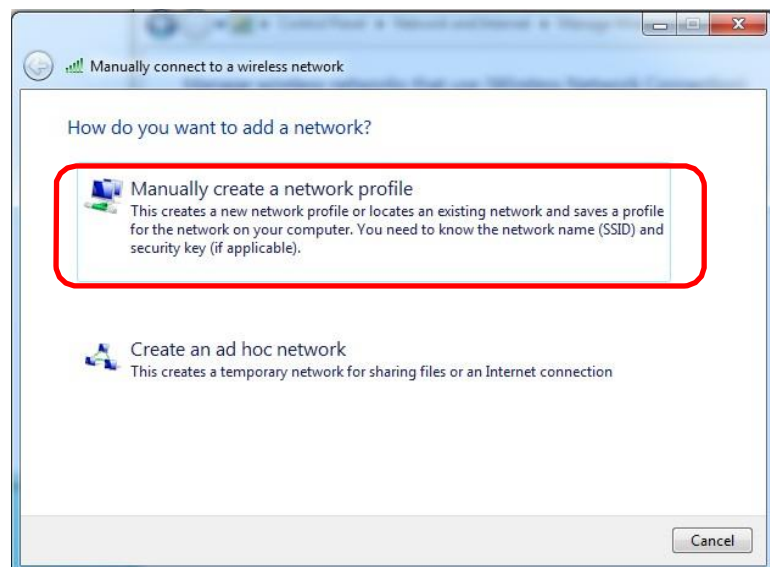
The PEAP authentication method is built into the Windows 7 / Vista operating system.

### 5.1.1 Configure Windows Wireless Manager

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.

Select the + **Add** and **manually** create a network profile.



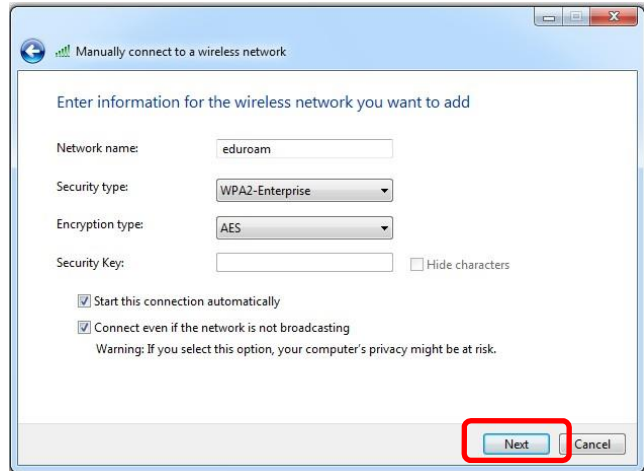


The **manually connect to a wireless network** configuration window is displayed.

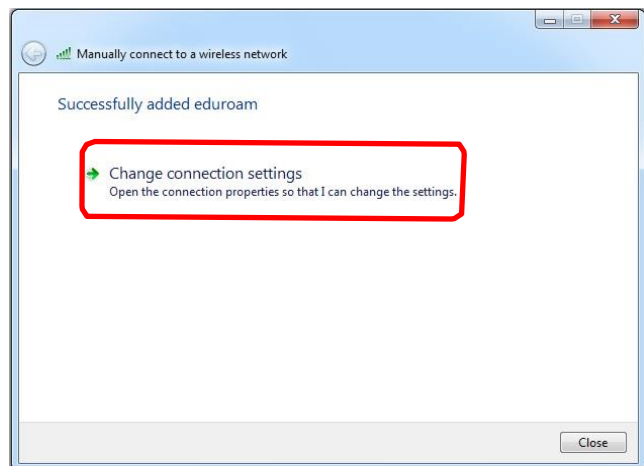
Enter the following information:

Network Name (SSID)	<b>eduroam</b>
Security Type	<b>WPA2-Enterprise</b>
Encryption Type	<b>AES</b>
Security Key Passphrase	<b>Field disabled</b>
Start this connection automatically	<b>Enabled</b>
Connect even if the network is not broadcasting	<b>Enabled</b>

Click **Next** to add the eduroam network.



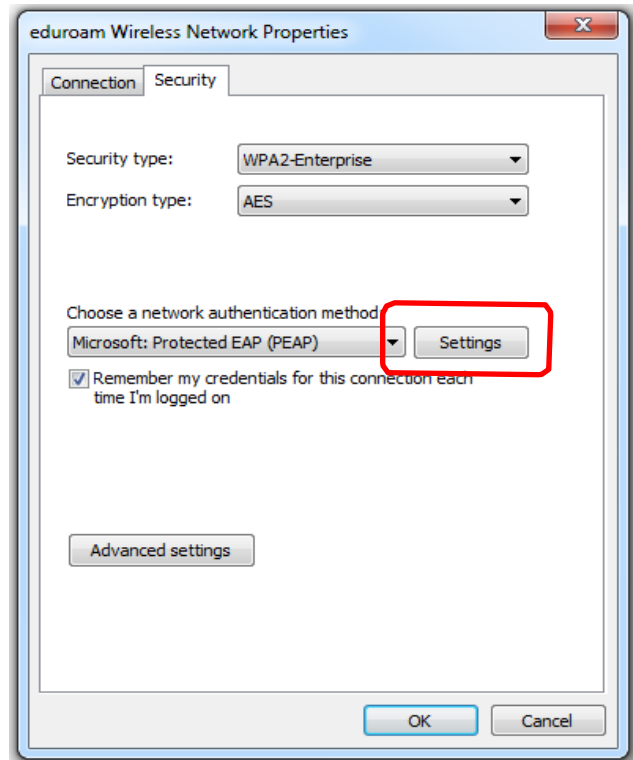
Select the **Change connection settings** option.





The properties window for the eduroam Wireless Network is displayed.

Click the **Settings** button for the Protected EAP (PEAP) network.

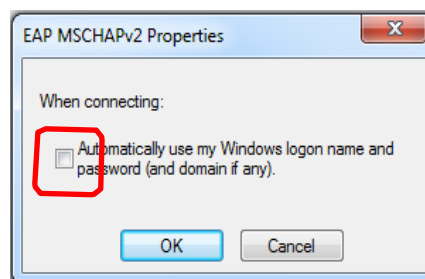
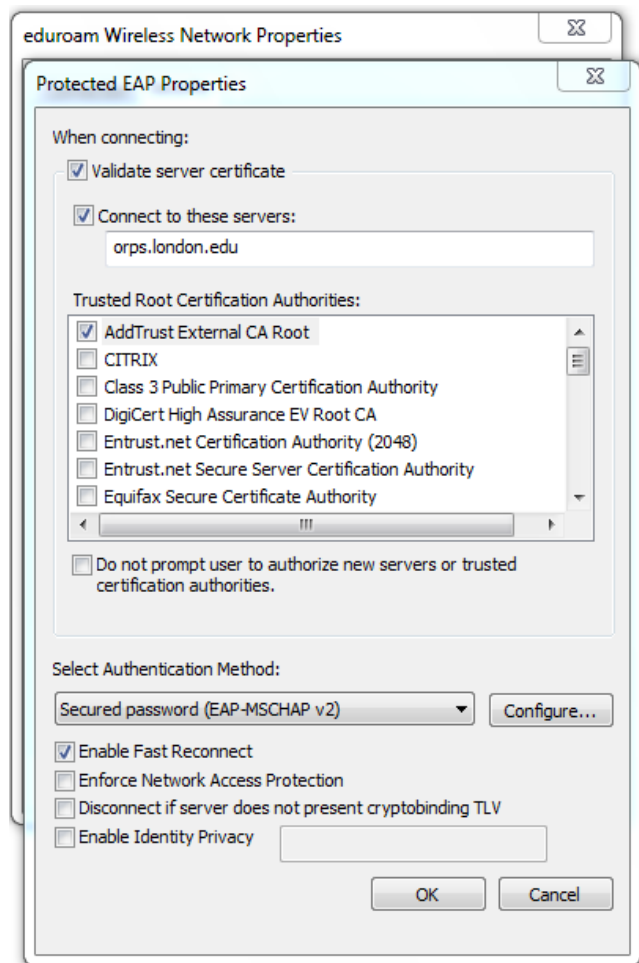




Enter the following details:

Validate service certificate	<b>Ticked</b>
Connect to these servers	<b>orps.london.edu</b>
Trusted Root Certification Authorities	<b>AddTrust External CA Root</b>
Do not prompt user to Authenticate	<b>Un-ticked</b>
Select Authentication Method	<b>Secured password (EAP-MSCHAPv2)</b>  Select the <b>Configure...</b> button: <b>Un-tick</b> Automatically use my Windows logon name and password (and domain if any).
Enable Fast Reconnect	<b>Ticked</b>

Repeatedly click the **OK** button to complete the configuration.



### 5.1.2 802.1X Cached Credentials Workaround

An automatic update to Windows 7 introduced an *advanced* setting. As a result of the update you may be constantly prompted for your credentials (i.e. LBS userid & password) when attempting to join eduroam.

The following is a known workaround to this issue. **Please note:** we are currently unaware of when the automatic update was introduced and the behaviour of the update when your LBS password is changed. If you encounter problems when changing your password, please check for an update to this documentation.





Open the **Network and Sharing Center**.

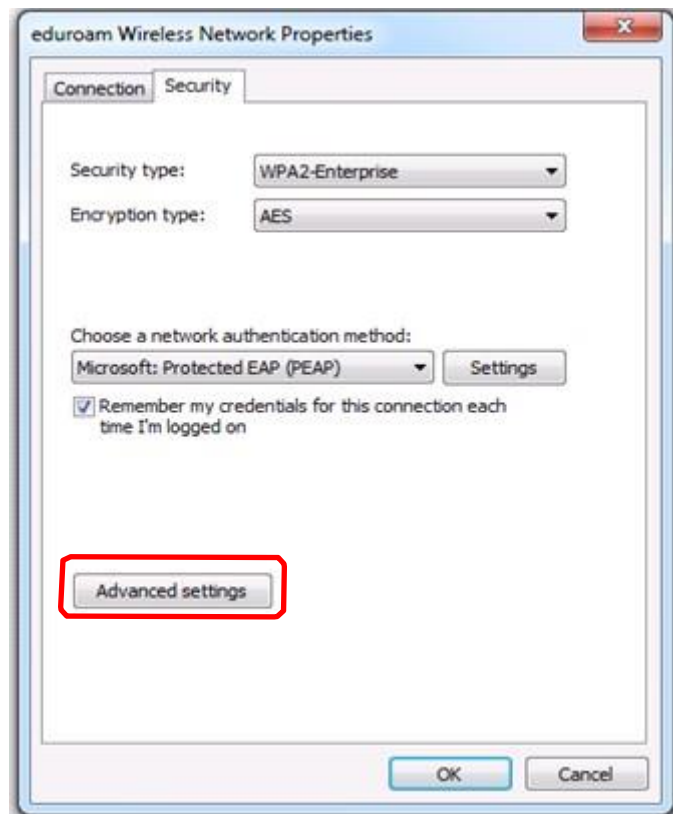
Click on **Manage Wireless Networks** from the left-hand pane.

A list of configured wireless Networks will be displayed. Highlight **eduroam** and **right-click**.

Select **Properties** from the context menu.

Select the **Security** tab. A window similar to the illustrated is displayed.

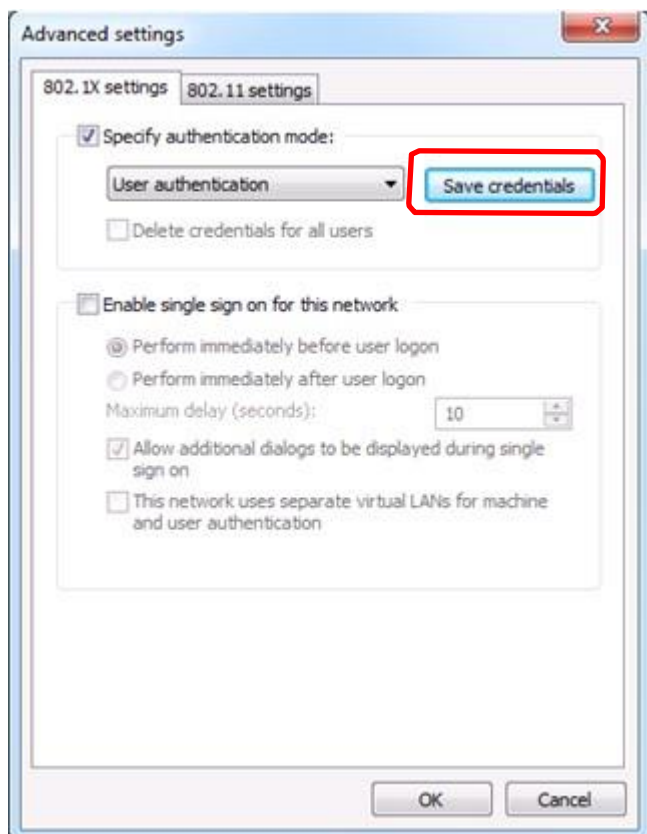
Select the **Advanced settings** button.



Ensure the **Specify authentication mode** option is ticked.

From the drop-down, select **User authentication**.

Next select the **Save credentials** button.





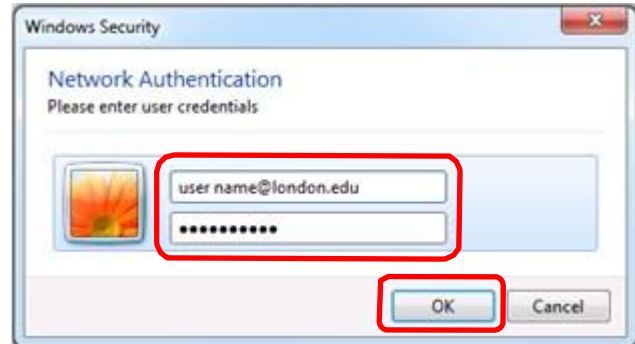
This will then give you another pop up window in which to enter your logon details.

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](mailto:student.mba2012@london.edu)

Set Password to your **London Business School** password.

Click **OK**.



### 5.1.3 Connect to eduroam

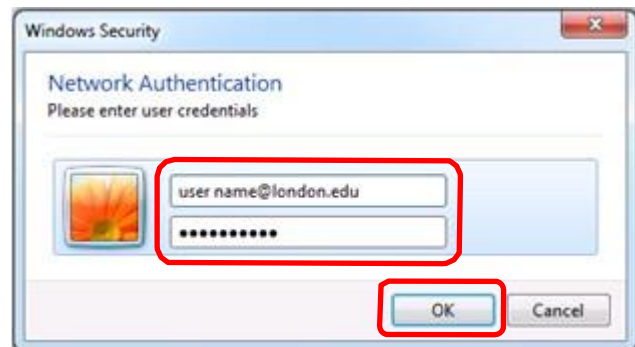
When within wireless range of the eduroam service, a Windows Security box will appear asking for Network Authentication. Click on this bubble to display the authentication window. If this doesn't happen, when in range of the eduroam service, click on the **wireless icon** in the Windows task bar and select **eduroam** from the list of networks. Then click the **connect** button.

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](mailto:student.mba2012@london.edu)

Set Password to your **London Business School** password.

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.