1 Getting Started
The Janet Roaming Service (JRS) at University College London is advertised via the eduroam wireless network and secured using IEEE 802.1x/ EAP-PEAP authentication.

<table>
<thead>
<tr>
<th>SSID</th>
<th>eduroam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encryption Cipher</td>
<td>WPA2 Enterprise/ AES</td>
</tr>
<tr>
<td>Authentication Method</td>
<td>IEEE 802.1x</td>
</tr>
<tr>
<td>Authentication Protocol</td>
<td>EAP-PEAP (Extensible Authentication Protocol – Protected EAP)</td>
</tr>
</tbody>
</table>

2 Requirements
The following is required to connect to the eduroam service at UCL.

- A UCL User ID and password.
- A Wi-Fi certified Wireless Network Connection adapter. The Wi-Fi Alliance can be used to check to see if your product is certified.

3 Configuring eduroam
1. From the Start screen select Desktop.
2. From the toolbar right-click the Networks icon and select Open Network and Sharing Centre. The following window is displayed:
3. If there is already an eduroam entry, please ensure this is deleted.

4. Select Set up a new connection or network. From the Choose a connection option window which is displayed, select Manually connect to a wireless network and select Next.

5. The Enter information for the wireless network you want to add window is displayed. Input the following:
Network name (SSID)  eduroam
Security Type  WPA2-Enterprise
Encryption Type  AES
Security Key Passphrase  Field disabled
Start this connection automatically  Enabled
Connect even if the network is not broadcasting  Disabled

Enter information for the wireless network you want to add

Network name:  eduroam
Security type:  WPA2-Enterprise
Encryption type:  AES
Security Key:  

Start this connection automatically
Connect even if the network is not broadcasting

Warning: If you select this option, your computer's privacy might be at risk.

Click Next to continue

6. Additional steps are required to configure eduroam. When prompted click Change Connection settings.
7. The **eduroam Wireless Network Properties** is displayed:
Select the Security tab. From the Choose a network authentication method: select the entry Microsoft: Protected EAP (PEAP). Select the Settings button. A User Account Control window may be displayed. Select Allow to proceed.
Configure PEAP

... the PEAP Properties window is displayed.

Set the options as follows:

<table>
<thead>
<tr>
<th>Option</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Validate server certificate</td>
<td>Ticked</td>
</tr>
<tr>
<td>Connect to these servers:</td>
<td>orps.jrs.ucl.ac.uk</td>
</tr>
<tr>
<td>Trusted Root Certification Authorities</td>
<td>QuoVadis Root CA 2</td>
</tr>
<tr>
<td>Do not prompt user to authenticate:</td>
<td>Un-ticked</td>
</tr>
<tr>
<td>Select Authentication Method:</td>
<td>Secured password (EAP-MSCHAP v2)</td>
</tr>
<tr>
<td>Enable Fast Reconnect</td>
<td>Ticked</td>
</tr>
<tr>
<td>Enforce Network Access Protection</td>
<td>Un-ticked</td>
</tr>
<tr>
<td>Disconnect if the server does not present cryptobinding TLV</td>
<td>Un-ticked</td>
</tr>
<tr>
<td>Enable Identity Privacy</td>
<td>Un-ticked</td>
</tr>
</tbody>
</table>

IMPORTANT

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

Connect to eduroam

To connect to eduroam for the first time you will manually need to invoke connection. Click the Networks icon from the toolbar. A list of Wireless Networks in range is displayed. Select eduroam. Tick the option to Connect Automatically and select the Connect button.
Set *User name* to your UCL userid and password. Your UCL userid **must** be appended with @ucl.ac.uk.

e.g. zcxxano@ucl.ac.uk

Set *Password* to your UCL password.

Click **OK**. You will now be connected to the eduroam service, from where you can access UCL Network Resources (e.g. Email) and the Internet.

You will not be prompted for your UCL userid and password again unless you change your password (or as informed by UCL ISD Service Desk).
4 Remembering Credentials
On earlier version of Windows 8 you may need to manually save your credentials.

To return to the eduroam Wireless Network Properties page click the Networks icon from the toolbar. A list of Wireless Networks in range is displayed. Right-click eduroam and select View connection properties. Ensure the Security tab is selected and select Advanced Settings button.

Ensure the Specify authentication mode option is ticked.

From the drop-down select User authentication. Next select the Save credentials button.

Set User name to your UCL userid and password. Your UCL userid must be appended with @ucl.ac.uk.

E.g. zcxxano@ucl.ac.uk

Set Password to your UCL password.

Click OK to all windows to save the settings.