Configuring a Windows 7 device for the eduroam Wi-Fi service

Automated Tools
Please note there is an automated tool available for connecting your device to the eduroam wireless network, which makes this process easier, this can be provided by the IT Helpdesk, or run directly from:

http://www.hw.ac.uk/wifi-help

Check for Windows Updates
1. Before attempting to connect to the 'eduroam' wireless service please ensure that your Windows 7 device has all recent updates installed. This includes all hardware and optional updates.

Configure “eduroam” wireless service
1. Go to the 'Control Panel' by clicking on 'Start' and selecting 'Control Panel' in the right hand column of options.
2. The following window is displayed:

3. Select the option “Network and Internet”.
4. Select 'Network and Sharing Center' from the options provided. This will display the window below:

![Network and Sharing Center window](image)

5. Select “Set up a connection or network”
6. Manually create a wireless network by clicking on the menu item “Manually connect to a wireless network” and click the “next” button. This should display a screen similar to the one below:

![Manually connect to a wireless network](image)

7. Fill in the following information:
   a. For 'Network Name' enter **eduroam**
   b. For 'Security type' select **WPA2-Enterprise** from the drop down list
   c. For 'Encryption type' select **AES**
   d. Tick 'Start this connection automatically'

This should give you entries as shown below:

![Manually connect to a wireless network](image)
8. Continue to the next screen by clicking the “Next” button. This should display the window shown below:

9. There are still a few more additional settings to configure. To change these click on the 'Change Connection Settings'.

10. To update the security settings click on the tab labeled “Security”. This should display the following:
11. Ensure the following settings are correct:
   o Security type: **WPA2-Enterprise**
   o Encryption type: **AES**
   o Choose a network authentication method: **Protected EAP (PEAP)**
   o Cache user information for subsequent connections to this network box is checked

12. Click the “Settings” button. This will display the following screen:

   ![Protected EAP Properties](image)

   o Tick the checkbox “Validate server certificate”
   o Ensure “Connect to these servers:” is ticked and add the following: *.hw.ac.uk
   o Tick the following “Trusted Root Certification Authorities”:
     - QuoVadis Root CA 2
     - QuoVadis Global SSL ICA G2 (optional)
13. Set the “Select Authentication Method” to **Secured password (EAP- MSCHAP v2)**. The settings should look similar to the image below:

14. Click the “Configure” button to then display the following window:
15. Un-tick the checkbox “Automatically use my Windows logon name and password and domain if any” as shown below:

![EAP MSCHAPv2 Properties window]

16. Click the “OK” Button
17. Click the "OK" button on the 'Protected EAP Properties' window
18. Click the “OK” Button on the 'eduroam Wireless Network properties' window
19. The eduroam settings are now configured. Click “Close” on the “Manually connect to a wireless network” panel.

When you first connect to the “eduroam” wireless service you will need to enter your username and password. Your username is in the format `username@hw.ac.uk`

Connecting to the “eduroam” wireless service once it is configured

1. Select the 'eduroam' wireless network from the list of available Wi-Fi networks.
2. A pop-up box as shown below may appear:

![Network Authentication window]

2. Enter your username in the format: `username@hw.ac.uk`
3. Enter your password.
4. Click “Ok button”
5. You should shortly after connect to the “eduroam” wireless service.
Please note there is a limit to how many devices you can be simultaneously logged into on all the wireless services. Please do not share your username and password with other students. All students of Heriot-Watt University, or other "eduroam" enabled Universities should be able to login using their own user credentials.

If you need further assistance please contact the IT Helpdesk on extension 4045, ithelp@hw.ac.uk