Configuring and connecting a Mac OS X 10.5x (Leopard) to the eduroam (802.1x) Wireless Service

NOTE to Mac OS X 10.6x users:
This information relates to configuring a Snow Leopard device as well, the screenshot layout is slightly different but the information in the pages following is the same

Configure ‘eduroam’ Wireless Service

Ensure that the AirPort Wireless card is switched Off

1. In the top right hand corner of the Finder menu click the AirPort icon.
2. Select ‘Open Network Preferences’ as shown below
3. Click on the Advanced button in the bottom right hand corner
4. In the AirPort configuration window click on the 802.1X tab

5. Click on the + button in the bottom left hand corner
6. Select the ‘Add User Profile’ option

7. A new User Profile will be created. Rename the profile from ‘Untitled’ to eduroam

8. In the User Name field enter your University username in the format
   \texttt{username@hw.ac.uk}
9. In the Password field enter your Heriot Watt University Webmail/Vision/Outlook password

10. In the Wireless Network field enter eduroam as shown below

11. In the Authentication field ensure that TTLS and PEAP are ticked.
12. Select TTLS as shown below and click the configure button

13. Ensure the TTLS Inner Authentication field is set to MSCHAPv2 as below

14. Click OK to close the TTLS configuration box

15. Click OK to close the 802.1X configuration window

16. Click Apply in the bottom right hand corner of the Network window
17. Click on the Advanced button in the bottom right hand corner
18. In the AirPort configuration window click on the + button under the Preferred Networks field

![AirPort configuration window](image)

19. In the Network Name field enter eduroam

20. In the Security drop down menu select WPA2 Enterprise

21. In the User Name field enter your University username in the format username@hw.ac.uk

22. In the Password field enter your Heriot Watt University Webmail/Vision/Outlook password

23. In the 802.1X drop down menu select eduroam

24. Check the ‘Remember this network’ box
25. Click Add

26. Within the Preferred Networks field click and drag eduroam to the top of the order in which you wish to join networks.

27. Ensure the ‘Remember any network this computer has joined’ box and ‘Disconnect from wireless networks when logging out’ box are checked.

28. Click OK
29. Click Apply in the bottom right hand corner of the Network window

**Your eduroam settings are now configured.**

**Connecting to ‘eduroam’ Wireless Service**

Once you have configured your eduroam settings you are ready to connect to the service.

1. To connect to eduroam ensure that your AirPort wireless card is **switched ON**

2. To do this click on the AirPort icon in the Finder bar in the top right hand corner of the screen.

3. Once the AirPort card is turned on you should be automatically connected to the eduroam wireless service (as shown below).

4. Alternatively select Open Network Preferences

   4. Ensure that eduroam is selected under the Network Name drop down menu and click on the ‘Turn AirPort On’ button
4. Once the AirPort card is turned on you should be automatically connected to the eduroam wireless service. (Note that the Status field has changed from ‘Off’ to ‘On’ and finally ‘Authenticated’ denoting successful connection).

You are now successfully connected 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.