

# **Helpsheet:**

## **Wireless networking and eduroam (Macintosh)**

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Eduroam allows staff and students at cooperating universities to use each other's wireless networks to access their 'home' university.

Further information on eduroam can be found at <[www.eduroam.edu.au/](http://www.eduroam.edu.au/)> and the Deakin wireless website located at <[www.deakin.edu.au/its/wireless/](http://www.deakin.edu.au/its/wireless/)>.

Do not use eduroam on a Deakin campus if you are a Deakin staff member.

If you want to use eduroam while at another university make sure your laptop is correctly set up for eduroam and VPN before you leave Deakin.

More detailed information about wireless networking and eduroam can be found in the *Wireless networking @ Deakin (Macintosh)* user guide available from <[www.deakin.edu.au/its/publications/](http://www.deakin.edu.au/its/publications/)>.

### **What do you need to use eduroam?**

To connect to eduroam your computer must have:

- Mac OS X 10.3.9 or Mac OS X 10.4.2 and above
- an AirPort Extreme card
- Airport 4.2 software (available from <[www.apple.com/support/downloads/](http://www.apple.com/support/downloads/)>)

### **How do you use eduroam?**

Configure your eduroam connection before you try to connect and use the eduroam wireless network for the first time. This should be completed before you leave Deakin.

You must be within range of a participating university's wireless network in order to set up or connect to eduroam.

If you want to use any Deakin network shares from another University you will need to start a Deakin VPN connection once connected to eduroam.

### **Configuring a wireless connection for eduroam (for 10.4)**

1. Click on the Airport icon located at the top right hand corner of the menu bar and select **Open Internet Connect...**

2. Click on **802.1X**.

Note that If the 802.1X icon is not present in the Airport window, click **File**, then click **New 802.1X Connection** available in the Internet Connect menu.

3. Select **Edit Configurations** from the Configuration drop down box in the 802.1X window.

4. Enter your **User Name** (username should be username@deakin.edu.au) and **Password**.

Select **eduroam** from the **Wireless Network** drop down box, and under **Authentication** check TTLS, PEAP, LEAP, MD5 protocol boxes.

5. Select **TTLS** and click on the **Configure** button.

6. Select MSCHAPv2 from TTLS **Inner Authentication** drop down box and type `anonymous` in the **Outer Identity** box.

Click **OK**.

7. **Select PEAP** and click **Configure**.

8. Type `anonymous` in **Outer Identity** and click **OK** in the PEAP window.

9. Click **OK** in the Edit 802.1X Configuration window.

10. Click **Connect** in the 802.1X window.

11. The first time you configure your computer for eduroam, you need to verify the certificate.

Click on **Show Certificate** at the **Verify Certificate** window.

Tick the **Always trust these certificates** check box and click **Continue**.

You will be required to perform this step only once.

12. You are now connected to eduroam. The connection status is also displayed in the 802.1X window.

To disconnect from eduroam click on the **Disconnect** button

### ***Configuring a wireless connection for eduroam (for 10.5)***

1. Click on the Airport icon located at the top right hand corner of the menu bar and select **Open Network Preferences...**

2. From the menu on the left-hand side, select **Airport**.

3. Click on the **Advanced...** button (you may need to click on the padlock icon first to authenticate as an administrator).

4. Click on the **802.1X** tab, and in the box on the left-hand side click on the 'plus' button and select **Add User Profile**.

5. Type in eduroam and press enter.

6. Enter your **username** (username should be `username@deakin.edu.au`) and **password**.

Select **eduroam** from the **Wireless Network** drop down box, and under **Authentication** check TTLS, PEAP, LEAP, MD5 protocol boxes.

7. Select **TTLS** and click on the **Configure** button.

8. Select MSCHAPv2 from TTLS **Inner Authentication** drop down box and type `anonymous` in the **Outer Identity** box.

Click **OK**.

9. **Select PEAP** and click **Configure**.

10. Type `anonymous` in **Outer Identity** and click **OK** in the PEAP window.

11. Click **OK** in the Edit 802.1X Configuration window.

Click the **Apply** button.

Close the System Preferences window.

12. Click on the Airport icon located at the top right hand corner of the menu bar and select **Turn Airport On**.

Click on the Airport icon again, this time click on **eduroam**.

13. The first time you configure your computer for eduroam, you need to verify the certificate.

Click on **Show Certificate** at the **Verify Certificate** window.

Tick the **Always trust these certificates** check box and click **Continue** (you may be prompted first to authenticate as an administrator).

You will be required to perform this step only once.

14. You are now connected to eduroam.

To disconnect from eduroam click on the Airport icon located at the top right hand corner of the menu bar and select **Turn Airport Off** (or select another wireless network connection).

## Using eduroam

1. Double-click on the **Airport** icon in your menu bar.  
If the wireless icon is not displayed, click on **Start > Connect To > Wireless Network Connection**.
2. Select **eduroam** from the Airport menu
3. You are then prompted to enter your username and password. Enter your username as `username@deakin.edu.au`, then your password.
4. You are now connected to eduroam. If you want to access any Deakin shares, including your home directory, start your Deakin VPN connection now.

## Getting help

If you require further information or assistance with accessing eduroam, see the Wireless website at <[www.deakin.edu.au/its/wireless/](http://www.deakin.edu.au/its/wireless/)> or call the IT Service Desk on ext. 72400.

The *Wireless networking @ Deakin (Macintosh)* user guide is also available from the ITSD Publications website located at <<http://www.deakin.edu.au/its/publications/>>.