QuickStartIT: Configuring eduroam service on Windows 8 RT
Introduction to the *eduroam* service

*Eduroam* is a technology that enables a person from a participating organisation to use their normal network login credentials to access the network while visiting another institution that is also a member of *eduroam*. Institutions in the UK which are part of *eduroam* can found on the JANET website [here](#).

*eduroam* is a federation of many institutions worldwide, and a full list can be found [here](#). Click on the maps or use the links on the right hand side of the page.
Do not attempt to use *eduroam* until you have created a manual wireless network connection. These instructions will guide you through that process. Note that these instructions are intended for Windows 8 RT. Most users of Windows 8 will find it easier to use eduroam CAT as documented at [www.qmu.ac.uk/it/eduroam](http://www.qmu.ac.uk/it/eduroam).

Please note before using any device, you must configure the *eduroam* connection at your home institution.

- At the start screen either **Touch and hold** or right-click once.
- From the menu select **All apps**.
- Choose **Desktop**.

- At the desktop screen either **Touch and hold** or right-click once on the **Wireless** icon at the bottom right of the screen.
- Select **Open Network and Sharing Centre**.
In the **Network and Sharing Centre** select **Setup a new connection or network.**

Select **Manually connect to a wireless network.**

Then enter the following details:

- **Network Name** is eduroam
- **Security Type** is WPA2-Enterprise
- **Encryption Type** is AES

Ensure the **Start this connection automatically** box is checked.

Click **Next.**
The next screen will say that the network has been configured.

There are still more settings however, so select **Change Connection Settings**.

The initial screen should have the details filled in already so select the **Security Tab**.

Then click on the **Settings** button which is next to the **Microsoft: Protected EAP (PEAP)** option.
In the **Protected EAP Properties** window, check the following boxes:

- Verify the server’s identity by validating the certificate.
- Connect to the following server: mgt03.qmu.ac.uk.
- VeriSign Class 3 Public Primary Certification Authority – G5.

Then in the **Select Authentication Method** area:

- Ensure that **Secured password (EAP-MSCHAP v2)** is selected.
- Check the box that says **Enable Fast Reconnect**.
- Then click on the **Configure** button.

In the **EAP MSCHAPv2 Properties** window ensure that:

- The check box **Automatically use my Windows logon name and password and domain if any** is unchecked.
- Click **Ok** to both to return to the **Security** tab.
Now go to the Security tab on the eduroam Wireless Network Properties screen.

Click on Advanced Settings.

Ensure the check box Specify authentication mode is selected.

Then select User authentication from the drop-down menu.
Go to the 802.11 settings tab and ensure that everything is unselected.

Click Ok on each of the dialog boxes to close them.

Then click on Close to close the Manually connect to a wireless network screen.

Connecting to the eduroam service

Once near an eduroam access point, select the access point from the possible connections by clicking on the Wireless Network Menu via the Desktop or Metro Screen and selecting eduroam.

The first time you connect to the eduroam wireless network you will receive a warning that reads: Windows cannot verify the server's identity. If you are in an area where you would expect to find this network, it is probably safe to connect. Otherwise, this might be a different network with the same name. Show the certificate details, and if you are confident that eduroam is broadcast in your current area, then click on the Connect button (this will only happen the first time you connect).

The next screen prompts you to authenticate yourself to allow the connection; your login details must be entered to achieve full network usage. Enter your username followed by @QMU.AC.UK.

You may find that you will require several attempts at logging on before you are connected.

After more than 3 attempts it will most likely be that the network configuration has not been configured correctly, and you will need to forget the eduroam connection.

Navigate to your wireless network connections and right-click on the eduroam connection and choose forget this network. Refresh your connections and the eduroam network connection will re-appear, but with none of the preconfigured settings.

You can now start the configuration from the beginning.

NB All users must abide by the user use agreement, a copy of which is available at: http://www.qmu.ac.uk/it/policies.htm