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Technology @ QMU



QuickStartIT: Configuring *eduroam* service on Windows 8 RT

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Introduction to the *eduroam* service

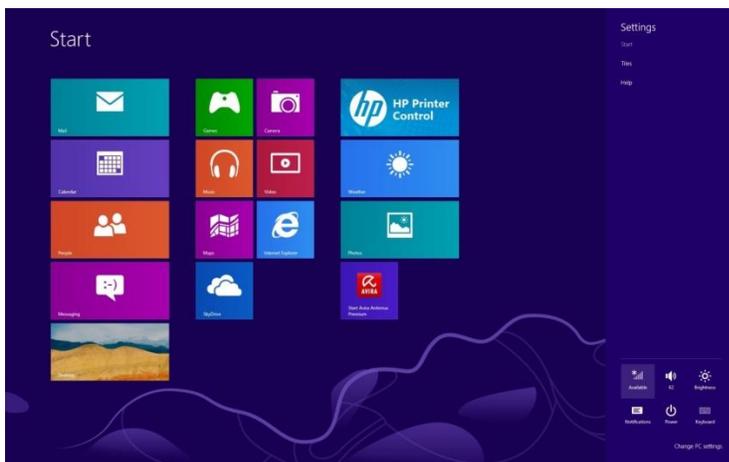
Eduroam is a technology that enables a person from a participating organisation to use their normal network login credentials to access the network while visiting another institution that is also a member of *eduroam*. Institutions in the UK which are part of *eduroam* can found on the JANET website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

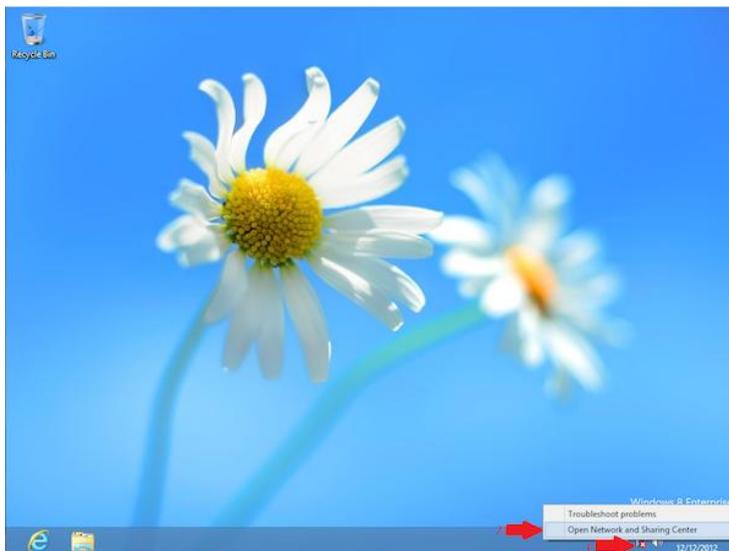
Configuring eduroam on Windows 8 RT

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.

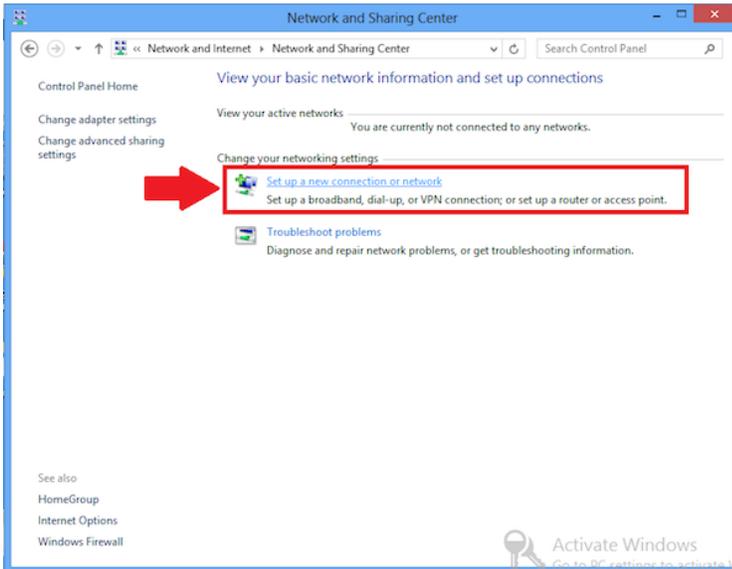
Please note before using any device, you must configure the *eduroam* connection at your home institution.



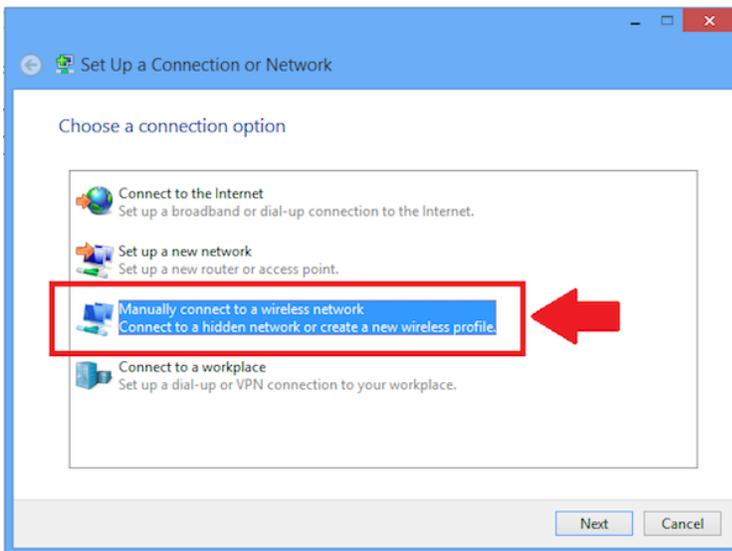
- At the start screen either **Touch and hold** or right-click once.
- From the menu select **All apps**.
- Choose **Desktop**.



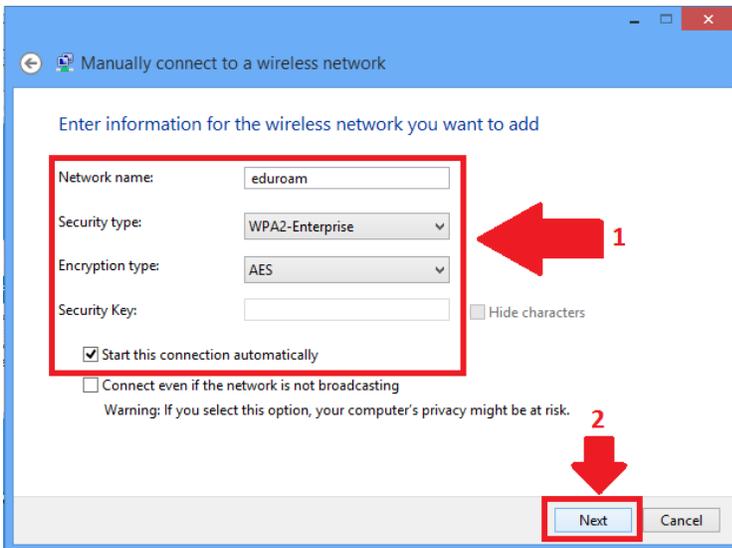
- At the desktop screen either **Touch and hold** or right-click once on the **Wireless** icon at the bottom right of the screen.
- Select **Open Network and Sharing Centre**.



- In the **Network and Sharing Centre** select **Setup a new connection or network**.



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

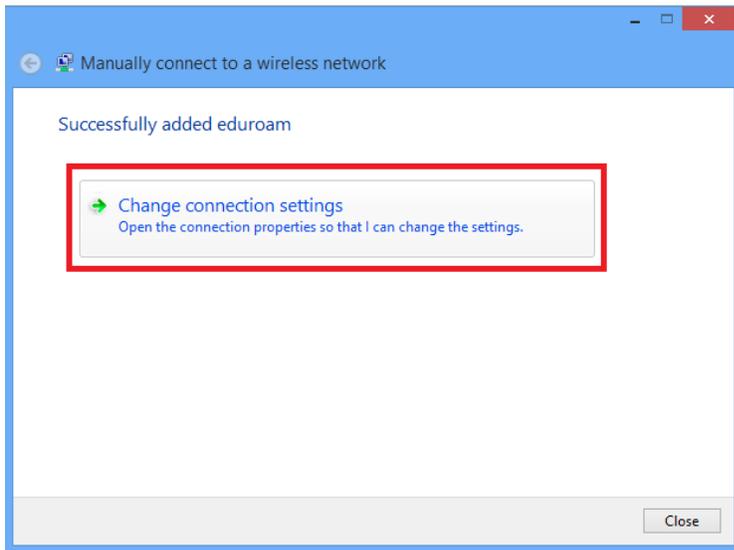


- Then enter the following details:

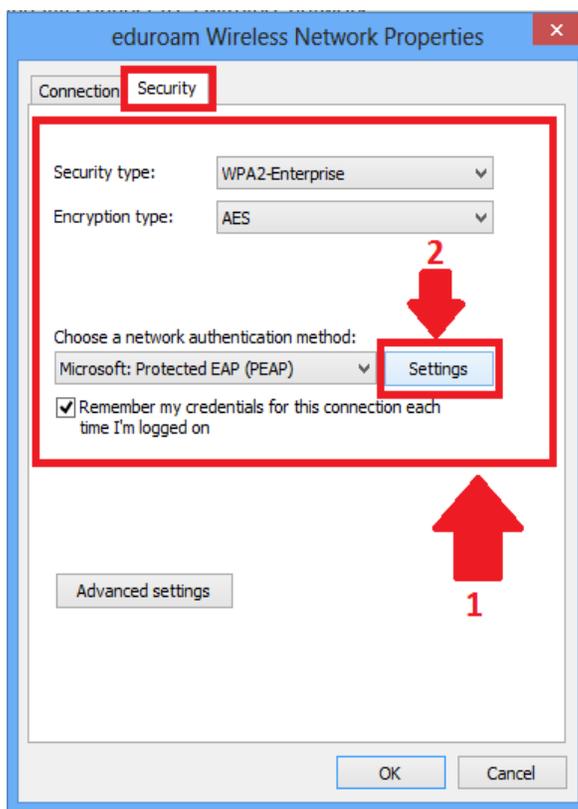
Network Name is eduroam
Security Type is WPA2-Enterprise
Encryption Type is AES

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

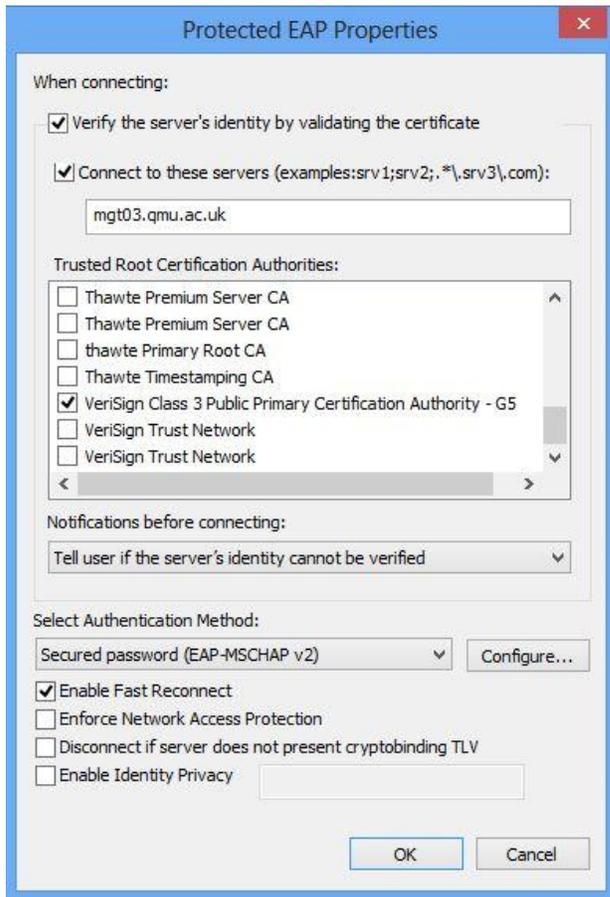
- Click **Next**.



- 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.

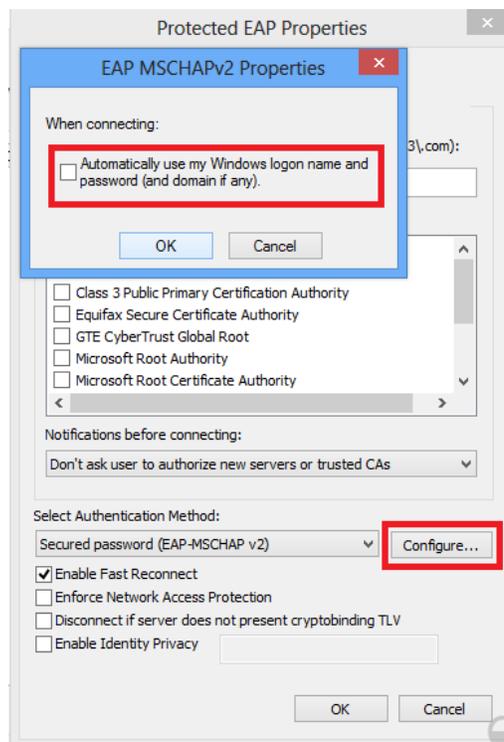


In the **Protected EAP Properties** window, check the following boxes:

- **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.**

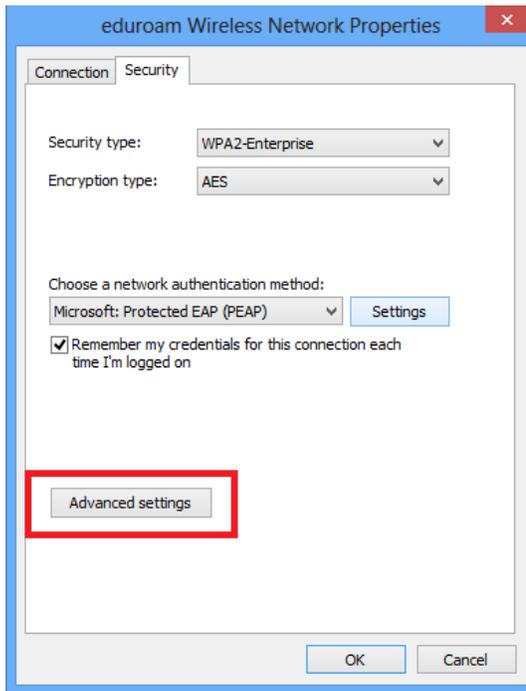
Then in the **Select Authentication Method** area:

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

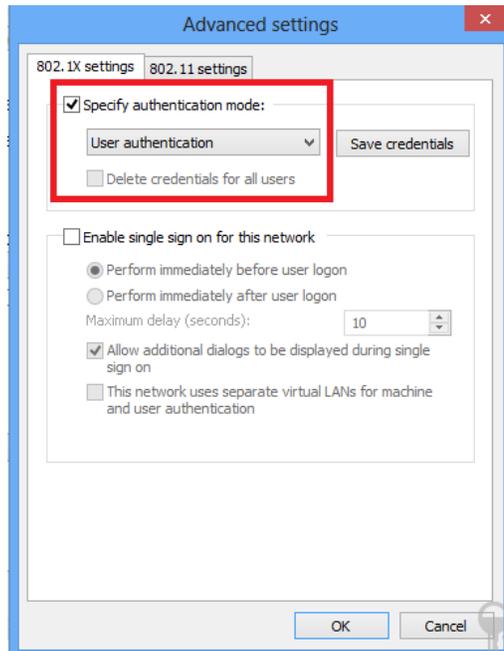


In the **EAP MSCHAPv2 Properties** window ensure that:

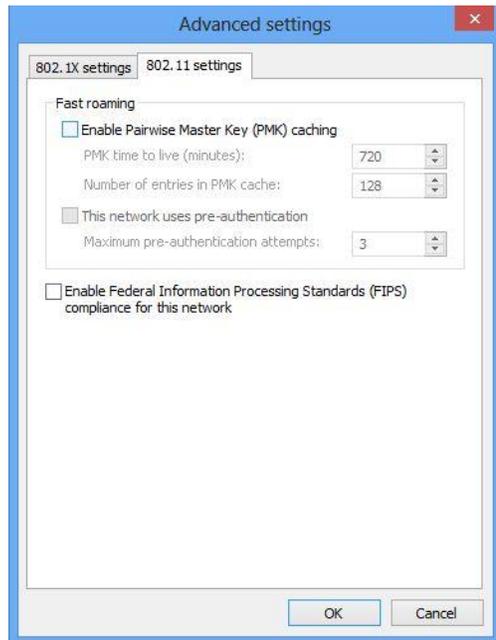
- The check box **Automatically use my Windows logon name and password and domain if any** is unchecked.
- Click **Ok** to both to return to the **Security** tab.



- Now got 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>