



to offer advice.

Connecting to ResNet or eduroam with Ubuntu Linux

ResNet is a network which connects all of the study bedrooms on campus to internet, e-mail and other network services, allowing you to browse the web and send mail free of charge.

The campus wireless network (“eduroam”) provides students and staff with a means to connect their own computers and devices to check email and browse the internet free of charge.

This guide explains how to configure a computer with the Linux Ubuntu operating system to connect to Resnet or eduroam successfully.

normally installed by default on Ubuntu - if you click on the file icon at the side of the window, you can navigate to the certificate which is in this folder: `/etc/ssl/certs/Thawte_Premium_Server_CA.pem`

- Set Inner Authentication to **PAP**
- Enter your username followed by “@sussex.ac.uk” and your usual password
- Click on **Connect**

You normally have to complete this process the first time you connect and then in future, your computer will recognise the eduroam network and connect automatically.

4. Check the connection

- Open a web browser and navigate to a web site, for example www.google.com.

5. Troubleshooting

Please note that Linux Ubuntu is **NOT** a supported platform at Sussex, but that if you make an appointment with one of the advisors on the help desk in IT Services Shawcross, they **MAY** be able

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1. Before you start

- Find your IT Services *username* and *password* (you collected these during online registration)
- Ensure your computer is connected to the Resnet network socket with the cable provided by your residence (if connecting to ResNet)
- Ensure your wireless card is switched on and you are connected to the *sussex.ac.uk-wifi-setup* network (if connecting with wifi)
- Make sure that the date and time are set correctly on your computer

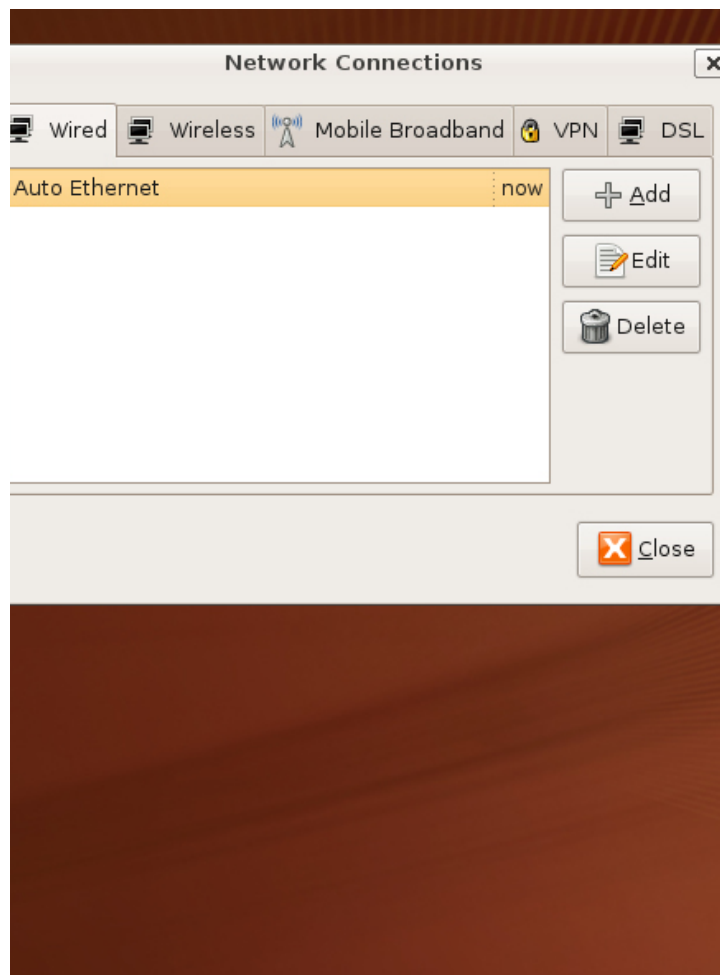
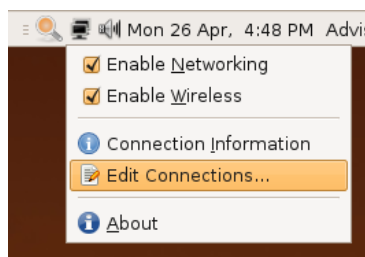
2. Register your computer

- Open a web browser - it should go to a Sussex web page (<https://www.sussex.ac.uk/roaming>)
- Login using your IT Services username and password
- Read and accept the *conditions of use*
- Click **Register** and complete the form, giving your computer a **Name** and fill in the information about its **Type** and **Operating system** (the comment field is optional)
- Click **Register** to create a record for your computer
- Click **Register** again to log your *MAC (Media Access Control) address* on our network, choosing Wired to access ResNet (see 3a below) or Wireless to use the eduroam wifi on campus (see 3b)

3a. Setup for ResNet

To set up your computer to use ResNet in a study bedroom on campus:

- Find the **network connections** icon in the menu bar



- Click on it and then choose **Edit connections**
- Select **Auto Ethernet** under wired and then click on **Edit** (or if you prefer, click on Add to set up a new location)
- Enter the information shown above in the pop-up window
- Click on **Apply**



3b. Setup for eduroam

- Left-click on the network connections icon in the menu bar and select the eduroam network
- In the **Wireless Network Authentication** window which appears, set Wireless Security to WPA and WPA2 Enterprise
- Change Authentication to **Tunnelled TLS**
- For Anonymous Identity, enter **linux-os-user@sussex.ac.uk**
- The CA Certificate should be set to *Thawte_Premium_Server_CA.pem*. This certificate is