😣 😑 Wi-Fi Network Authentication Required								
	Authentication required by Wi-Fi network							
•	Passwords or encryption keys are required to access the Wi-Fi network 'eduroam'.							
	Authentication:	Protected EAP (PEAP)	•					
	Anonymous identity:							
	CA certificate:	AddTrust_External_Root						
	PEAP version:	Automatic	v					
	Inner authentication:	MSCHAPv2	v					
	Username:	ano23@sussex.ac.uk						
	Password:	••••••						
		 Ask for this password every time Show password 						
			Cancel Connect					

- Set Inner Authentication to MSCHAPv2
- 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**.

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Connecting to wi-fi or wired networks with Ubuntu

You can use the campus wi-fi network (called "eduroam") to connect your Linux computer to the internet.

You can also use the wired connections in offices and residences to get access to the internet and campus networks.

This guide explains the process for Ubuntu but the procedure is similar in many other flavours of Linux.



1. Before you start

- Find your IT Services *username* and *password* (you collected these during online registration)
- Ensure your computer is connected to the network socket with the cable provided by your residence (if connecting to the wired network)
- Ensure your wireless card is switched on and you are connected to the sussex.ac.uk-wifi-setup network (if connecting with wi-fi)
- 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 wired

To set up your computer to use wired access in an office or residence:

- Find the **network connections** icon in the menu bar
- Click on it and then choose Edit connections
- Select Wired connection 1

((• III. 🔁 🖾
Wired Network
disconnected
Wireless Networks

14:53

- Jisconnect
- III sussex.ac.uk-wifi-setup

<u>Connect to Hidden Wireless</u> Create <u>N</u>ew Wireless Networ

- VPN Connections
- ✓ Enable <u>N</u>etworking

✓ Enable <u>W</u>ireless

Connection Information Edit Connections...

Conn	ections	100	😣 🖻 💷 Editing Wired connection 1	
Name	Last Used 🔺	Add	Connection name: Wired connection 1	
▼ Ethernet		Edit	General Ethernet 802.1x Security IPv4 Settings I	Pv6 Settinas
Wired connection 1	5 days ago			
▼ Wi-Fi		Delete	Use 802.1X security for this connection	
eduroam	now		Authentication: Protected EAP (PEAP)	
			Anonymous identity:	
			CA certificate:	m 🕒
			PEAP version: Automatic	•
			Inner authentication: MSCHAPv2	•
			Username: ano23@sussex.ac.uk	
			Password: ••••••	
			Ask for this password every time	
		Close	Show password	
		-	Cancel	Save

(sometimes called **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 wi-fi

- 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 Protected EAP
 (PEAP)
- For Anonymous Identity, enter **linux-os-user@ sussex.ac.uk**
- The CA Certificate should be set to AddTrust_ External_Root.pem. This certificate is 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/AddTrust_External_ Root.pem