Windows 8.1 configuration guide for the University of Cumbria's Implementation of eduroam

Eduroam Installation Guide for Windows 8.1

In order to setup eduroam on your device you will need Internet access. So first either connect your 3G/4G service or connect to UoC-Visitor.

Task 1 Certificate Install

It is <u>essential</u> to install our certificate on to your device as using eduroam without a certificate will make your device vulnerable to attack or snooping!

1. Download the certificate from here <u>http://certs.cumbria.ac.uk/UoC-Servers.crt</u> if a message appears in your browser, click "Open".



2. Click "Open"

| | C | Open File - Security Warning | × | |
|--------------------------------|--|--|---|--|
| Do you want to open this file? | | | | |
| | Name: | \Windows\INetCache\IE\79VCD6SB\UoC-Servers.cer | | |
| - M | Publisher: | Unknown Publisher | | |
| | Type: | Security Certificate | | |
| | From: | $\label{eq:linear} C:\Users\Dylan\AppData\Local\Microsoft\Windows\$ | | |
| | | Open Cancel |] | |
| ۲ | While files fi potentially h not open th | rom the Internet can be useful, this file type can harm your computer. If you do not trust the source, do is software. <u>What's the risk?</u> |) | |

3. Click "Install Certificate"

| ØR | Certificate | × |
|-----|---|---|
| Ger | eral Details Certification Path | |
| | Certificate Information | |
| | This CA Root certificate is not trusted. To enable trust, install this certificate in the Trusted Root Certification Authorities store. | |
| | | |
| | | |
| | Issued to: UoC-Servers | |
| | Issued by: UoC-Servers | |
| | Valid from 19/11/2013 to 17/11/2023 | |
| | | |
| | Install Certificate Issuer Statement | |
| | | |
| | OK | |

4. Choose "Local Machine"

| × |
|---|
| 📀 🝜 Certificate Import Wizard |
| |
| Welcome to the Certificate Import Wizard |
| This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store. |
| A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept. |
| Store Location |
| O Current User |
| Local Machine |
| To continue, dick Next. |
| |
| |
| @Next Cancel |

5. Place All Certificates in the following store

| | × |
|---|---|
| 📀 🕏 Certificate Import Wizard | |
| Certificate Store Certificate stores are system areas where certificates are kept. Windows can automatically select a certificate store, or you can specify a location for the certificate. Automatically select the certificate store based on the type of certificate Place all certificates in the following store Certificate store: Browse | |
| | _ |
| Next Cancel | |

6. Click Browse and select "Trusted Root Certificate Authorities"



- 7. Click OK
- 8. Click Next, Finnish

Task 2 Profile Setup

1. Open the "Control Panel"

Configuring eduroam with Windows 8.1 4/12/13

2. Click "Network and Internet" then "Network and Sharing Centre"



Network and Internet View network status and tasks Choose homegroup and sharing options



Network and Sharing Center

View network status and tasks | Connect to a network View network computers and devices

3. Click "Set up a new connection to network"

Change your networking settings -

Set up a new connection or network

Set up a broadband, dial-up or VPN connection, or set up a router or access point.

4. Click "Manually Connect to a wireless network", and click "Next".



5. Enter the details as below:

| A Manually cons | aatta a wiralaas natwa | | _ 🗆 🗙 | |
|---|--------------------------|--------------------|-------------|--|
| | lect to a wireless netwo | rk | | |
| Enter information | for the wireless netw | vork that you want | to add | |
| Network name: | eduroam | | | |
| Security type: | WPA2-Enterprise | \checkmark | | |
| Encryption type: | AES | ~ | | |
| Security Key: | | Hide chara | cters | |
| ✓ Start this connection automatically | | | | |
| Connect even if the network is not broadcasting | | | | |
| Warning: If you select this option, your computer's privacy might be at risk. | | | | |
| | | | | |
| | | | | |
| | | | Next Cancel | |

- 6. Click Next
- 7. Click "Change connection settings"

Change connection settings Open the connection properties so that I can change the settings. 8. Click the "Security" tab, and then the "Settings" button.

| eduroam V | Wireless Network | Properties | × |
|------------------------|----------------------------|------------|-------|
| Connection Security | | | |
| | | | |
| Security type: | WPA2-Enterprise | ~ | |
| Encryption type: | AES | ~ | |
| | | | |
| | | | |
| Choose a network aut | hentication method: | | |
| Microsoft: Protected E | EAP (PEAP) 🗸 🗸 | Settings | |
| Remember my cre | edentials for this connect | ion each | |
| time 111 logged 0 | | | |
| | | | |
| | | | |
| | | | |
| Advanced settings | | | |
| | | | |
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| | | ОК С | ancel |

9. Ensure that your settings match those below. Note: Only UoC-Servers should be checked in the list!

| Protected EAP Properties | Х |
|---|------|
| When connecting: | |
| \checkmark Verify the server's identity by validating the certificate | |
| ✓ Connect to these servers (examples:srv1;srv2;.*\.srv3\.com): | |
| UoC-Servers | |
| Trusted Root Certification Authorities: | _ |
| SecureTrust CA TC TrustCenter Class 2 CA II Thawte Premium Server CA Thawte Timestamping CA UoC-Servers UTN - DATACorp SGC Vurifier Class 2 Deble Deceme Catification Authority. CC | |
| vensign Class 3 Public Primary Cerunication Authority - GS | - |
| Notifications before connecting: | |
| Tell user if the server's identity cannot be verified | / |
| Select Authentication Method: Secured password (EAP-MSCHAP v2) Configure | •••• |
| Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy | |
| OK Cancel | |

- 10. Click OK
- 11. Click "Advanced Settings"

12. Tick the check box to "Specify authentication mode:" and change the option to "User authentication"

| Advanced settings | × | |
|---|----------|--|
| 802.1X settings 802.11 settings | | |
| Specify authentication mode: | | |
| User authentication Y Save cree | dentials | |
| Delete credentials for all users | | |
| Enable single sign on for this network | | |
| Perform immediately before user log-on | | |
| Perform immediately after user log-on | | |
| Maximum delay (seconds): 10 | A V | |
| Allow additional dialogues to be displayed during single sign on | | |
| This network uses separate virtual LANs for mach and user authentication | hine | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| ОК | Cancel | |

13. Click "Save Credentials" and enter your username and password i.e. 123456@cumbria.ac.uk or joe.bloggs@cumbria.ac.uk and click OK.

| | Windows Security | Х |
|--|---|---|
| Save creder Saving your cre when you're no | ntials dentials allows your computer to connect to the networ t logged on (for example, to download updates). | k |
| P | joe.bloggs@cumbria.ac.uk | |
| | OK Cance | 9 |

- 14. Click OK
- 15. Click OK
- 16. Click Close
- 17. Bring up the list of available Wi-Fi networks and click on eduroam
- 18. Click connect
- 19. You should now be connected to eduroam