Connect to Eduroam Wi-Fi Network (Windows PC / Laptop)



To successfully setup your device to connect to the eduroam wireless network, please follow the below steps;

1. On your Windows PC device please click on your Wi-Fi icon



2. Select the eduroam network listed under 'Wireless Network Connection' and click Connect

NB. Please ensure that Wi-Fi is switched on, network connections will be available on your device.



NB. Please ensure that you are in range of the eduroam network before trying to connect

3. You will be prompted with the following screen;

| Network Authentication Please enter user credentials User name Password | |
|----------------------------------------------------------------------------------|-----------|
| | OK Cancel |

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Please Note: If you are prompted by the following screen instead of the 'Network Authentication' windows, then please proceed to step 6;



3.1. Enter your username into **Username** box



- **3.2.** Now enter your domain password
- 3.3. Then click on OK
- 4. If you are prompted with the following box, please select Connect

| ndows Security Alert | |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 🚺 The connectio | n attempt could not be completed |
| | |
| The Credentials provided that you terminate the co information provided in th | by the server could not be validated. We recommend nnection and contact your administrator with the e details. You may still connect but doing so exposes |

5. Complete – You are now connected to eduroam.



6. <u>Error Message</u>: If you got the "Windows is unable to connect to eduroam" error at step 3 then please follow the below instructions;

NB. You will need to setup the connection manually. These steps will show you how to do this.

- 6.1. Click on Start and select Control Panel from the start menu.
- 6.2. From Control Panel, select Network & Internet
- 6.3. Select Network & Sharing Center
- 6.4. From the available options click on Set up a new connection or network

Change your networking settings

Set up a new connection or network Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.

6.5. Select Manually connect to a wireless network and then click Next

| hoose a connection option | |
|------------------------------------------------------------------------------------------|---|
| Connect to the Internet | |
| Set up a wireless, broadband, or dial-up connection to the internet. | |
| Set up a new network | |
| Compare a new router or access point. | |
| Manually connect to a wireless network | = |
| Connect to a hidden network or create a new wireless profile. | |
| Connect to a workplace | |
| Set up a dial-up or VPN connection to your workplace. | |
| / Set up a dial-up connection | |
| Connect to the Internet using a dial-up connection. | |

6.6. You will be prompted with the following screen;

| Enter information | for the wireless network you want to add | |
|---------------------------------|--------------------------------------------------------------------------------------------------|--|
| Network name: | eduroam | |
| Security type: | WPA2-Enterprise | |
| Encryption type: | AES | |
| Security Key: | Hide characters | |
| V Start this conne | tion automatically | |
| Connect even if Warning: If you | the network is not broadcasting select this option, your computer's privacy might be at risk. | |

6.7. Enter the following settings into the relevant box

| Network name: eduroam Security type: WPA2-Enterprise Encryption type: AES |
|---------------------------------------------------------------------------------|
| Make sure that the Start this connection automatically is ticked |
| Then select Next |

6.8. Click on Change connection settings;



6.9. Click on the Security tab.



NB. Please ensure that **Connect automatically when this network is in** range is ticked.

6.10. Click on Settings;

| Validate server certificate Connect to these servers: Instantiation of the servers: AddTrust External CA Root Baltimore CyberTrust Root Baltimore CyberTrust Root DigiCert Assured ID Root CA DigiCert High Assurance EV Root CA DigiCert High Assurance EV Root CA Entrust Root Certification Authority © to not prompt user to authorize new servers or trusted certification authorities. ext Authentication Method: cared password (EAP-MSCHAP v2) Configure. | nen connecting: | | |
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| Connect to these servers: | Validate serv | er certificate | |
| Connect to these servers: | | | |
| Trusted Root Certification Authorities: AddTrust External CA Root Baltimore CyberTrust Root Class 3 Public Primary Certification Authority DigiCert Global Root CA DigiCert Global Root CA DigiCert Global Root CA Entrust Root Certification Authority Con not prompt user to authorize new servers or trusted certification authorites. ct Authentication Method: cured password (EAP-MSCHAP v2) Configure. | Connect to | these servers: | |
| AddTrust External CA Root Beltimore CyberTrust Root Class 3 Public Primary Certification Authority DigiCert Assured ID Root CA DigiCert Global Root CA DigiCert Global Root CA Entrust Root Certification Authority Entrust Root Certification Authority Certification authorites. certification authorites. certification Method: cured password (EAP-MSCHAP v2) Configure. | Trusted Root C | ertification Authorities: | |
| Baltimore CyberTrust Root Class 3 Public Primary Certification Authority DigiCert Assured ID Root CA DigiCert High Assurance EV Root CA Entrust Root Certification Authority Context Root Certification Authority Context Root Prime Point Structure Point | AddTrust E | xternal CA Root | |
| Class 3 Public Primary Certification Authority DigiCert Assured ID Root CA DigiCert High Assurance EV Root CA Entrust Root Certification Authority Control Certification Authority Certification authorites. Certification authorites. Certification Method: Certification Method: Certification (EAP-MSCHAP v2) Configure. | Baltimore C | vberTrust Root | - |
| DigiCert Assured ID Root CA DigiCert Global Root CA DigiCert Global Root CA DigiCert High Assurance EV Root CA Entrust Root Certification Authority | Class 3 Pub | lic Primary Certification Authority | - |
| DigiCert Global Root CA DigiCert High Assurance EV Root CA Entrust Root Certification Authority Cont prompt user to authorize new servers or trusted certification authorites. cet Authentication Method: cured password (EAP-MSCHAP v2) Configure. | DigiCert As | sured ID Root CA | |
| DigiCert High Assurance EV Root CA Entrust Root Certification Authority Control Certification Authority Do not prompt user to authorize new servers or trusted certification authorities. cert Authentication Method: cured password (EAP-MSCHAP v2) Configure. | DigiCert Glo | bal Root CA | |
| Entrust Root Certification Authority Entrust Root Certification Authority Con ont prompt user to authorize new servers or trusted certification authorities. Ext Authentication Method: Ext Authentication Method: Ext Authentication (EAP-MSCHAP v2) Configure | DigiCert Hig | h Assurance EV Root CA | |
| III Do not prompt user to authorize new servers or trusted certification authorities. ect Authentication Method: aured password (EAP-MSCHAP v2) Configure. | Entrust Ro | ot Certification Authority | |
| Do not prompt user to authorize new servers or trusted certification authorities. tet Authentication Method: cured password (EAP-MSCHAP v2) Configure. | | | |
| | Do not prom | III pt user to authorize new servers or trus | ⊧ ted |
| | Do not prom certification | III pt user to authorize new servers or trus authorities. tion Method: d (EAP-MSCHAP V2) | ted Configure |
| | Do not prom certification ect Authenticat cured passwor Enable Fast Re | m pt user to authorize new servers or trus authorities. tion Method: d (EAP-MSCHAP v2) | ted Configure |
| Enforce Network Access Protection | Do not prom certification ect Authentical cured passwor Enable Fast Re Enforce Networ | III pt user to authorize new servers or trus authorities. tion Method: d (EAP-MSCHAP V2) (connect rk Access Protection | ted Configure |
| Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV | Do not prom certification ect Authentical cured passwor Enable Fast Re Enforce Networ Disconnect if s | III pt user to authorize new servers or trus authorities. ion Method: d (EAP-MSCHAP v2) (connect rk Access Protection erver does not present cryptobinding TL | Configure |
| Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy | Construction C | TT TT | ted Configure |
| Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy | Do not prom certification Do not prom certification Endle Fast Re Enforce Networ Disconnect if s Enable Identity | TT pt user to authorize new servers or trus authorities. | Configure |

6.11. Tick Validate Server Certificate

Tick or select from list Do not prompt user to authorize new servers or trusted certification authorities.

Now click Configure...

Ensure that the Automatically use my Windows logon name and password (and domain if any) is not ticked and click OK

6.12. Click on Advanced settings button;

| Connection | Security | | |
|------------|--------------|-------------------------------|---------|
| Security t | ype: | WPA2-Enterprise | ~ |
| Encryption | n type: | AES | ~ |
| Remer | nber my cre | edentials for this connection | on each |
| time I' | m logged or | 1 | |
| | | | |
| | | | |
| Advan | ced setting | • | |
| Advan | ced setting: | s | |
| Advan | ced setting | 5 | |
| Advan | ced setting | 5 | |

6.13. Tick the **Specify authentication mode** box, select **User authentication** from the list, and click on the **Save credentials** button;

| 2.1X settings | 802.11 settings | | | |
|---------------|-----------------------------|-----------|--------------|----------|
| Specify a | uthentication mode: | | | |
| User au | thentication | • | Save cree | dentials |
| Delet | e credentials for all users | | | |
| Enable si | ngle sign on for this netw | ork | | |
| Perfo | rm immediately before us | er logor | 1 | |
| 💿 Perfo | rm immediately after user | logon | | |
| Maximun | n delay (seconds): | | 10 | A |
| Allow sign o | additional dialogs to be d | lisplayed | d during sir | ngle |
| This r | network uses separate vir | tual LAN | Vs for mad | hine |
| and L | iser autrientication | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | 0 | | Cano |

6.14. You will be prompted with the following screen;

| Save crede | entials | | | |
|--------------|------------------------|---------------|---------------|-----------|
| aving your o | redentials allows your | computer to | connect to th | e network |
| vnen you re | fot logged on (for exa | mple, to dowr | lioad update | 5). |
| | | | | |
| 51/2 | User name | | | |
| | Password | | | |
| | 2 | | | |

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6.15. Enter your username into Username box

| Students |
|------------------------------------------------------------------------------------------|
| Enter your full student email address |
| Examples: <u>studentnumber@student.uwtsd.ac.uk</u> jbloggs.123456@student.uwtsd.ac.uk |
| <u>Staff</u> |
| Enter your full staff email address |
| Examples: <u>j.bloggs@uwtsd.ac.uk</u> joe.bloggs@uwtsd.ac.uk |
| Now optor your domain possword |

- 6.16. Now enter your domain password
- 6.17. Then click on OK
- **6.18.** Now close all the windows saving changes as required

NB. You may see the following popup message in the bottom right corner, if you do please click **Connect**;

| 😰 Connect to a Network | | X |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|
| Windows Security Alert | | 23 |
| The connection at | ttempt could not be comple | eted |
| The Credentials provided by the that you terminate the connect | e server could not be validated. We rec ion and contact your administrator with ails. You may still connect but doing so | commend the |
| you to security risk by a possibl | le rogue server. | exposes |

Problems?

If you encounter any problems along the way, please contact the IT Service Desk via our web based ticketing system at <u>http://webhelp.uwtsd.ac.uk</u> or email at <u>ITServiceDesk@uwtsd.ac.uk</u> or phone 0300 500 5055.