Eduroam

Setup under Windows 10

Central IT

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Eduroam

Setup under Windows 10

With Eduroam, you as a university member have access to WiFi,

- on the campus of the Nuremberg Institute of Technology and

- since Eduroam is an international initiative of the universities, at all participating universities worldwide.

Step 1: Establishing the Connection

To establish a connection to Eduroam, click the Wi-Fi icon in the right half of the taskbar.
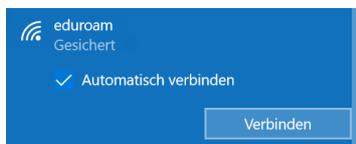
Select

➢ Eduroam
➢ Connect

Step 2: Logon

Once the connection has been established, you will be prompted to enter your user data.

User Name

The Eduroam user name is composed of

- the user name you are also using for logging on to the university's PCs, and

- the domain @th-nuernberg.de

Examples:

- Student Erika Mustermann: mustermanner12345@th-nuernberg.de
- Prof. Dr. Elfriede Musterfrau: musterfrauel@th-nuernberg.de

Password

Here you enter your **MSAD password.**

This is not your e-mail password! Instead, you enter your **MSAD password** here (i.e., the one you use for logging on to the university's Windows computers).
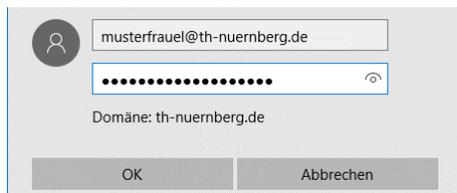
musterfrauel@th-nuernberg.de ••••••••••••••••••• 👁 Domäne: th-nuernberg.de OK Abbrechen	You enter username and your MSAD password.

Troubleshooting

Under certain circumstances, your PC may experience problems with establishing a connection. In this case, the following tips may be useful.

Tip 1: Connect first, log on afterwards

In some cases, the connection to Eduroam fails to establish if the user is logged on to his/her PC already.

In these cases, it may help to log off from your PC via the

➢ CTRL + ALT + DEL

shortcut. Subsequently, connect to Eduroam first (using the Wi-Fi icon in the lower right corner of the screen). Once the connection has been established, log on to your PC again.

Tip 2: Delete WiFi profile

If the connection fails to establish even though you have set up Eduroam once before (or if you come from another university), then it may help to remove Eduroam from the list of known networks once (= "Forget" button) and to set it up anew following these instructions.

INTERN

How to delete the WiFi profile
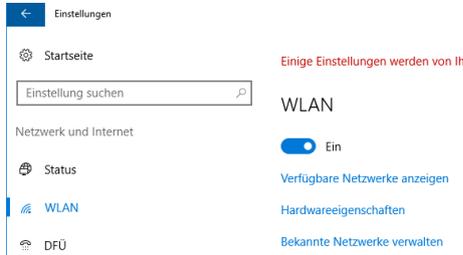
Open the start menu under Windows 10 and then select "Settings" (gear icon).

Select "Network & Internet". In the dialog box that opens, click "WiFi" in the left sidebar.
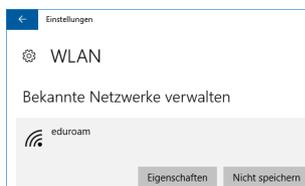
Click the "Manage known networks" link (if necessary, scroll down a bit to do so).

In the lower part of the next dialog box, you will find a list of all known networks. Select the one in question and click the **"Forget"** button.

Please note: *This will delete all information related to this WiFi profile. Subsequently, you can reconnect.*

Tip 3: Check the WiFi Properties

Go to the Network and Sharing Centre dialog box.

In the left sidebar, click

> ➢ Change adapter settings
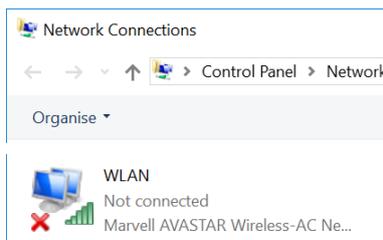
Right-click

> ➢ WiFi

and then choose

> ➢ Properties
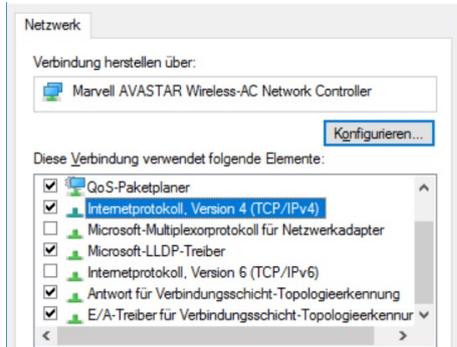
On the **Networking** tab, **uncheck** the option

☐   Internet Protocol Version **6** (TCP/IPv**6**)

and check the option

☑   Internet Protocol Version **4** (TCP/IPv**4**)

Then click the

➢   Properties

button below the list.

Make sure that both addresses are obtained automatically (the corresponding radio buttons must be selected).

Then click

➢   OK
➢   Close

Tip 4: Checking network settings

Connection Settings

To check the network settings, click the Windows icon in the lower left corner of the screen and then click on the settings button

Then select

➢   Network & Internet
➢   Network and Sharing Centre

Here, choose

➢   Set up a new connection or network
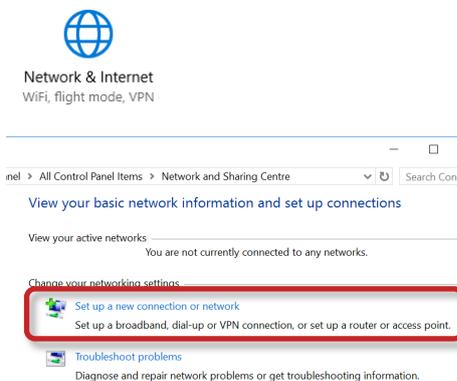
Choose a connection option

Connect to the Internet
Set up a broadband or dial-up connection to the Internet.

Set up a new network
Set up 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.
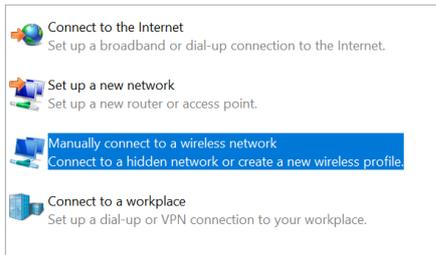
➢ **Manually connect to a wireless network**

➢ **Next**

Enter information for the wireless network that you want to

Network name: Eduroam

Security type: WPA2-Enterprise

Encryption type: AES

Security Key: ☐ Hide character

☑ 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 ris

Enter the following data in the dialog box that opens:

Network name: eduroam

Security type: WPA2-Enterprise

Encryption type: AES

You may also check the option

☑ **Start this connection automatically**

➢ **Next**

← 🖳 Manually connect to a wireless network

Successfully added Eduroam

→ Change connection settings
   Open the connection properties so that I can change the settings.

➢ **Change connection settings**

Eduroam Wireless Network Properties   ✕

Connection   Security

Security type: WPA2-Enterprise

Encryption type: AES

Choose a network authentication method:
Microsoft: Protected EAP (PEAP)   [Settings]
☐ Remember my credentials for this connection each
   time I'm logged on

[Advanced settings]

On the Connection tab, you can set the option to connect automatically when the network is in range.

Then switch to the Security tab.

Uncheck the option

Then click

➢ **Advanced settings**
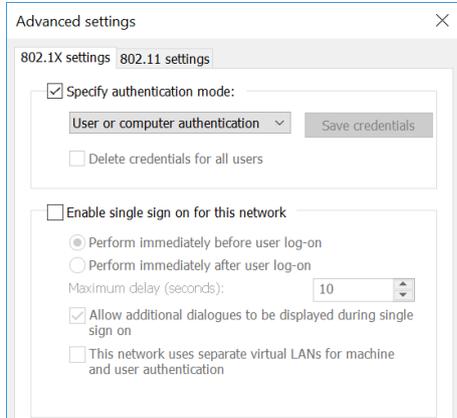
On the 802.1X settings tab, check the following option:

☑ Specify authentication mode:
User or computer authentication
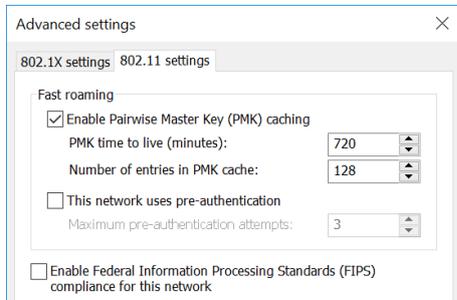
On the 802.11 settings tab, make sure that the following option is checked:

☑ Enable Pairwise Master Key (PMK) caching

➢ OK
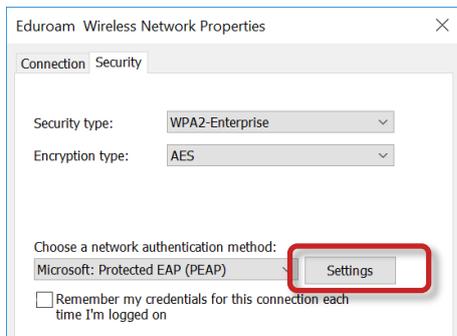
Authentication

Back in the Eduroam Wireless Network Properties dialog box, click the

➢ Settings

button next to **Microsoft: Protected EAP (PEAP)**
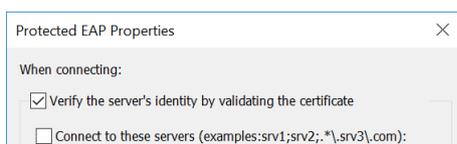
For safe access to Eduroam, the University provides the OHM CA certificate.

To be able to use it, the following option must be checked:

☑ Verify the server's identity by validating the certificate
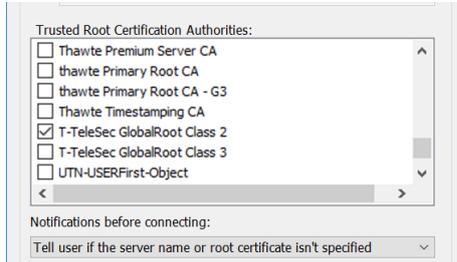
From the Trusted Root Certification Authorities list, select:

> ➢ T-TeleSec GlobalRoot Class 2
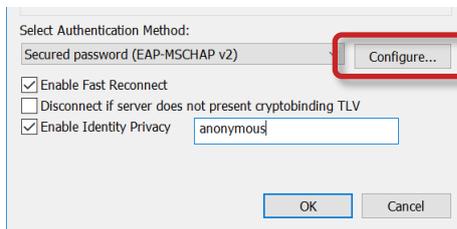
In the lower part of the tab, activate the checkbox

> ☑ Enable Identity Privacy

In the input field next to it, enter:

> ➢ anonymous

Subsequently, click the

> ➢ Configure

button below **Select Authentication Method**.

Uncheck the option

> ☐ Automatically use my Windows logon name ...

> ➢ Ok

Then close all dialog boxes of the Network and Sharing Centre.