

Topic: WLAN VIA EDUROAM

Date/status: 04.04.25 /v1.2

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General

With eduroam, registered users can access the academic network easily, quickly and without additional registration, not only at their own institution but also at other academic institutions. The eduroam WLAN is embedded in corresponding European projects (see www.eduroam.org), which should also enable the transparent use of scientific networks across borders. There are no additional costs for eduroam users, as is the case for the use of commercial hotspots, for example.

Access and requirements

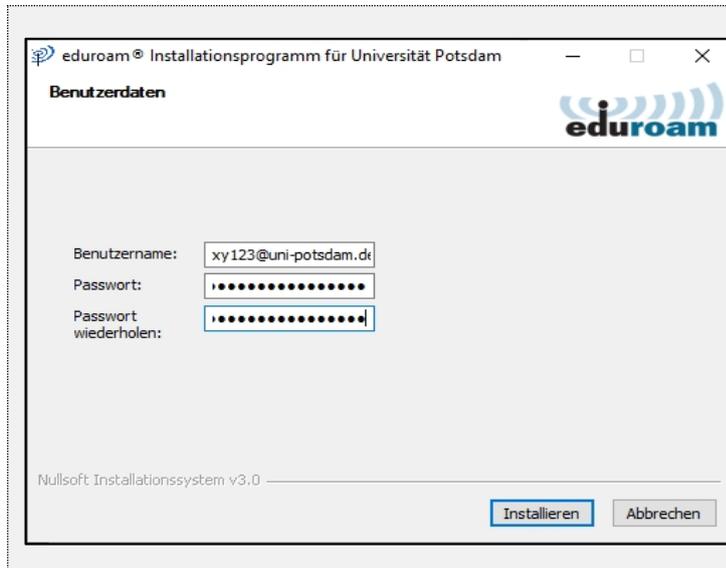
The University of Potsdam offers comprehensive coverage with EDUROAM wireless LAN (WLAN) on its campus. **The WLAN hardware consists of 2,500 access points in a redundant 100 Gbit/s backbone network.**

Members, students and employees of the University of Potsdam thus have access to the internet. Encrypted Wi-Fi access via eduroam (short for: education roaming) is also available at many participating educational and research institutions worldwide. Eduroam is also available to visitors from other educational and research institutions at the University of Potsdam, provided that the home institution also participates in eduroam.

User name and password

Authentication: In order to establish a connection, you must enter your user name and password when setting up. As a Uni-Potsdam user, please use your username:

- **central university account (UP account)** with the addition **@uni-potsdam.de**. Do not use your e-mail address in the format vorname.nachname@uni-potsdam.de.
- Use your **UP account password** as the password.



Central university account

- Your **username** for PULS, AccountUP, MailUP, etc.
- Your **password** as for AccountUP, PULS, all UP services
- Not the e-mail address in long form!
- If you come from another institution, please use the login details of your home organisation!

Technical information

Connection: To set up eduroam on the device, you always need an active internet connection (e.g. via a mobile hotspot).

Security: The eduroam network at the university is protected with WPA2-Enterprise, i.e. communication between the access point and the end device is encrypted so that not everyone in the vicinity can read the network traffic. To ensure a secure installation, this must be set up using a configuration profile from cat.eduroam.org. A direct WLAN login with user name and password is therefore not recommended.

Locations: Participating institutions can be easily found via the eduroam Companion app. The service is described at the following URL: <https://eduroam.org/eduroam-companion-app/>.

In order to be able to use eduroam at other locations without any problems, it must be set up via the apps or with profile installation. If you set up the connection manually, a connection at other locations will not work.

VPN note: An additional VPN connection to the university's data network is required for intranet access. A service description for the [VPN University of Potsdam](#) is available on the ZIM web pages "Offers & Solutions" or the search term: "Uni Potsdam VPN".

Set up step by step

Windows

note that an existing eduroam configuration must first be deleted under Windows!
Network and Internet settings> WLAN> Manage known networks> Eduroam> Do not save.

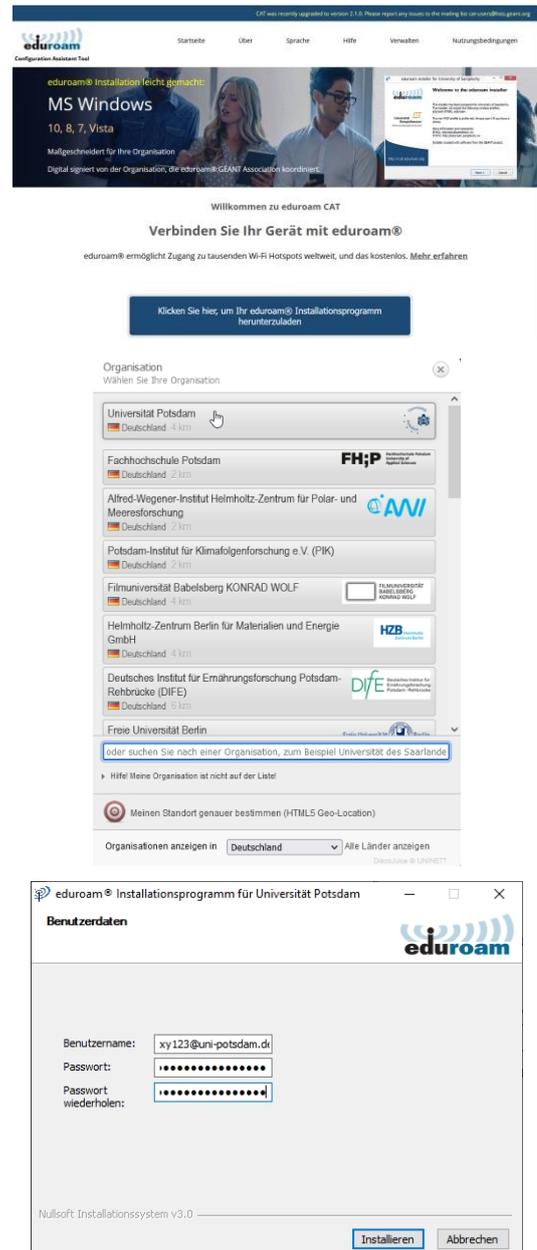
To set up eduroam on Windows computers, you need an active Internet connection.

1. Please visit <https://cat.eduroam.org/?idp=5077>
2. Click on "Download eduroam installation programme" to download. Confirm the corresponding selection window to open the file.
3. Run the installation programme and confirm the following instructions until you are asked to enter your account details.

Enter your **UP account** followed by **@uni-potsdam.de** as user name. *This is not necessarily your e-mail address!*

Enter the **password for your UP account** and confirm by clicking on "Install".

4. The WLAN profile will now be installed, after completion you can select "eduroam" as WLAN in the WLAN list and connect. We recommend that you tick the "Connect automatically" box so that your computer connects to the network as soon as it is within range.



The image shows two screenshots from the eduroam website and its installation program. The top screenshot is the eduroam CAT website, which is a German-language interface for downloading the installation program. It features a navigation menu, a header with the eduroam logo, and a main content area with a blue button that says "Klicken Sie hier, um Ihr eduroam® Installationsprogramm herunterzuladen". Below this is a list of organizations, with "Universität Potsdam" selected. The bottom screenshot is the "eduroam® Installationsprogramm für Universität Potsdam" window. It shows a "Benutzerdaten" (User Data) section with fields for "Benutzername" (username) and "Passwort" (password). The username field contains "xy123@uni-potsdam.de" and the password field contains ".....". There are "Installieren" (Install) and "Abbrechen" (Cancel) buttons at the bottom.

Please note: Windows Phone/Mobile, Windows XP and Windows7 are no longer supported for security reasons!

Mac OSX

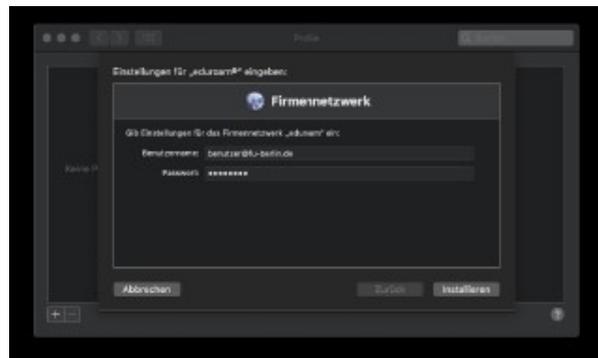
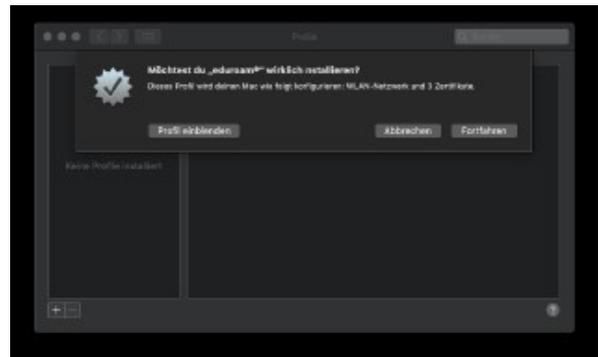
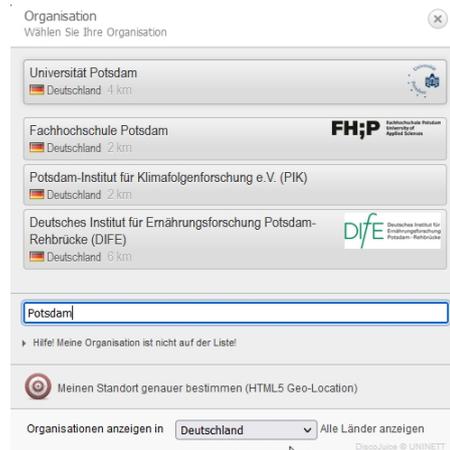
note that any existing eduroam configuration under macOS must be deleted first!

To set up eduroam on the Macintosh, you need an active Internet connection.

1. Please visit <https://cat.eduroam.org/?idp=5077>
2. With a click on "eduroam-Download installation programme" to download.
3. Run the installation programme.

*If the installation does not start: go to the system settings (gear symbol) and click on "Profiles". If no new "Profiles" window opens, go to the Control Panel and open it manually. Check that the eduroam profile is selected and click on "Install".

4. Now enter the following:
Enter your **UP account** as the user name followed by **@uni-potsdam.de**.
Enter the password of your **UP account** as the password and confirm by clicking on "Install".
5. You must enter your administrator ID in the new window. The following message may appear: *"Profiles/MDM would like to make changes. Enter the name and password of an administrator to allow this."*
6. Once the installation is complete, you can connect to the eduroam WLAN.



Linux (here Ubuntu 22.04 LTS)

If you have an older version of eduroam installed, it is best to remove it beforehand:

```
user@pc:~$ cd /etc/NetworkManager/system-connections
user@pc:/etc/NetworkManager/system-connections$ sudo rm -f eduroam*
```

To set up eduroam on your computer, you need an active internet connection.

1. the configuration profile (Python file) via: <https://cat.eduroam.org/?idp=5077> .
2. Execute the downloaded file via the **terminal (not via sudo)**:

```
user@pc:~/Downloads$ python3 eduroam-linu
x-UoP-eduroam.py
```

Enter your UP account as the user name, **followed by @uni-potsdam.de**. Enter the password of your UP account twice and confirm by clicking on "Install".

3. Once the installation is complete, you can connect to the eduroam WLAN.

Universität Potsdam

Bei Problemen wenden Sie sich bitte an Ihre Organisation:

WWW: <https://www.uni-potsdam.de/de/zim/angebote-loesungen/wlan-eduroam.html>

E-Mail: zim-service@uni-potsdam.de

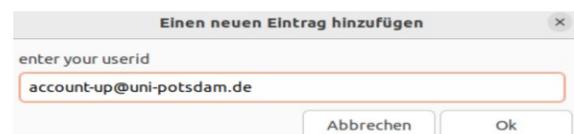


Laden Sie Ihr Installationsprogramm herunter für Linux

eduroam

i

[Einen anderen Installer auswählen](#)



Google Chromebook

Please note! If you have already configured eduroam, remove the saved configuration first. To do this, go to Network settings, open eduroam and click on Remove.

To set up eduroam on your Google Chromebook, you need an active internet connection.

1. Please visit the URL <https://cat.eduroam.org/?idp=5077> and click on the button to download the eduroam installation programme.
2. Then start Chrome and open the following page via the address bar **chrome://net-internals/#chromeos**
3. Now select the previously downloaded profile via "Import ONC File".
4. Now the WLAN environment, select "eduroam" and add the values shown in the box on the right to the default settings.

Please note that the identity is not necessarily your actual e-mail address. This is merely a login name for technical reasons, which is made up of your UP account and the suffix "@uni-potsdam.de".



EAP method: EAP-TTLS
EAP-Phase-2-Auth.: PAP
CA server certificate: Standard
Anonymous identity: wlan@uni-potsdam.de
Identity: YourUP-Account@uni-potsdam.de
password: Your UP password

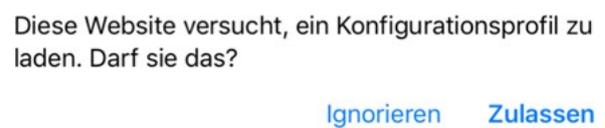
Mobile devices - Apple iOS

Please note! If available, remove your old configuration! To do this, go to *Settings > General > VPN and device management >* and click on *eduroam > Remove profile >* Now enter the *PIN of your device >* and confirm with *Remove*

To set up eduroam on the device, you need an active internet connection. Open **Safari** (no alternative browser!) and visit the URL <https://cat.eduroam.org/?idp=5077>.

1. Connect the iOS device to the Internet
2. Go to the following page via Safari:
<https://cat.eduroam.org/?idp=5077>
3. Load the configuration profile via the following Button down
4. Click on Allow
5. Go to the settings under General to Profile
6. Select the eduroam® profile click on Install (you may be asked again)
7. Follow the installation instructions and enter your **UP account** with **@uni- potsdam.de** and the corresponding **UP account password**
8. Finish the setup by clicking on Done
9. Connect to eduroam under WLAN

<https://cat.eduroam.org/?idp=5077>



Mobile devices - Android version up to 9 | App eduroam CAT

Note: If available, remove your old configuration profile. If necessary, uninstall the eduroamCAT app by pressing and holding the icon. If you are using Android 10 or newer, please do not follow these instructions.

For older Android versions, select the *Google Play Store* on your device and search for "**eduroam CAT**". Install and open the app.

Eduroam CAT

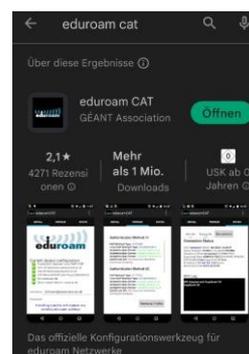
1. When searching for a location in the app, select the "University of Potsdam".
2. Activate the "manual search" if there is no location results are displayed. Search for "University of Potsdam".
3. A summary is in the next window, select "Install".
4. Now enter the following:

your **UP account** as the user name, followed by **@uni-potsdam.de** and tap Next (this is *not* your e-mail address, this address syntax is the standard for all services)

Enter the password for your **UP account** and tap on Install. Profile installed is displayed under your user data.

5. Once the installation is complete, you can connect to the eduroam WLAN.

Note: the app must remain installed!



Mobile devices - Android version from 10 | App geteduroam

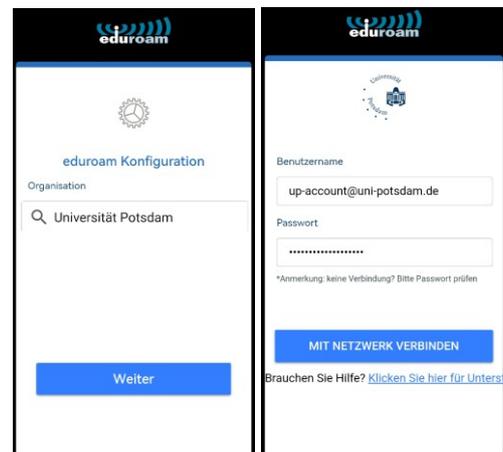
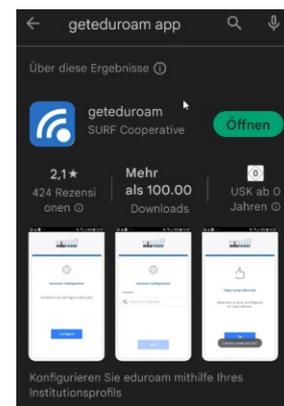
Note: If available, remove your old configuration profile. If necessary, uninstall the eduroamCAT app by pressing and holding the icon. If you are using Android 9 or older, please do not follow these instructions.

Select the **Google Play Store** on your device and search for "**geteduroam**", then install the app.

geteduroam

1. Open the "geteduroam" app
2. Organisation: Select your organisation by tapping in the field displayed and entering "Universität Potsdam".
3. Profile: Select the eduroam profile and tap on "Next".
4. User name: your **UP account** as the user name, followed by "**@uni-potsdam.de**" and tap Next (this is not necessarily your e-mail address!).
5. Password: Enter your **UP account password** and tap on "Connect to network".
6. You are now connected to eduroam, tap click "OK" to finish the configuration.

Note: the app must remain installed! Attention, according to the app rating there are problems with the app assignment when opening other formats.



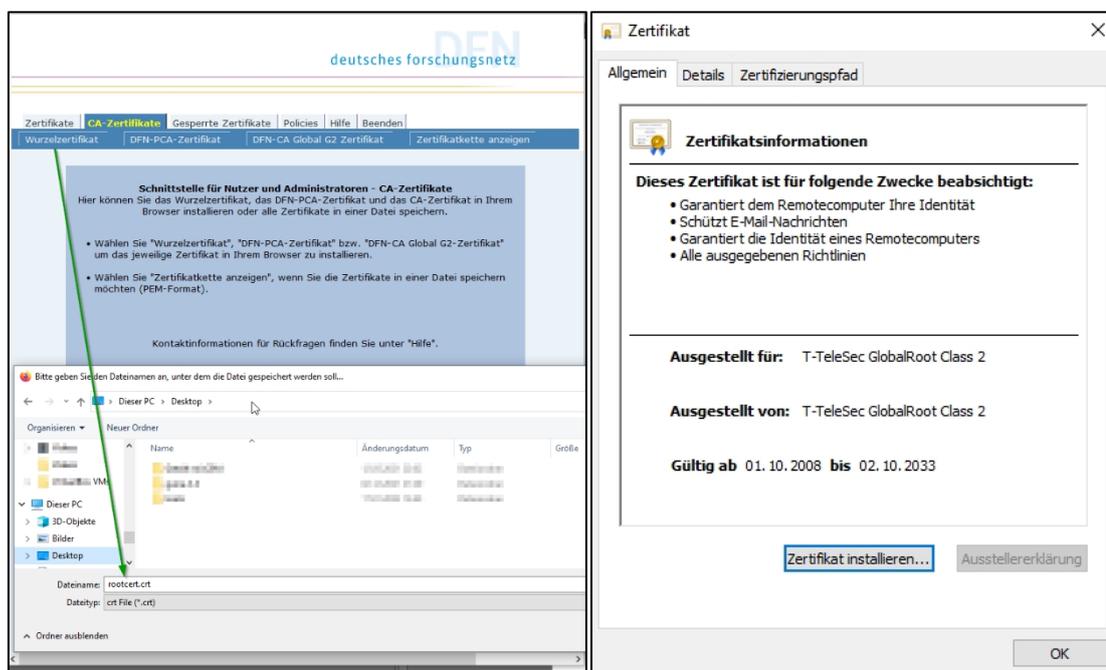
eduroam manual configuration

You can also use these settings to set up eduroam manually on your devices.

<ol style="list-style-type: none"> 1. Before installation, please download the certificate of the University of Potsdam. 2. Please open the following page and download the "Root certificate" file*. 3. To establish the connection to eduroam, please open the settings -> WLAN 4. Click here on eduroam and enter the data shown in the showcase on the right. 5. Now click on "Connect" 	<p>Security: WPA & WPA2 Enterprise</p> <p>Legitimation: Protected EAP (PEAP)</p> <p>CA certificate: "Select from_file..." *</p> <p>Anonymous Id: wlan@uni-potsdam.de</p> <p>Domain: uni-potsdam.de</p> <p>PEAP version: Automatic</p> <p>Legitimation: MSCHAPv2</p> <p>User name: UP-Account@uni-potsdam.de</p> <p>Password: Your UP account password</p>
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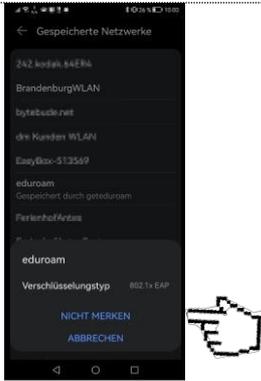
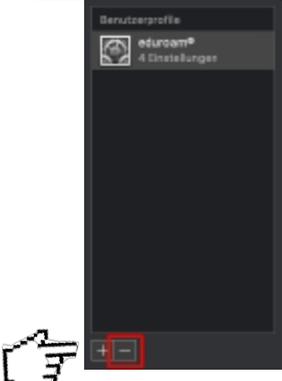
* Please select the downloaded file "rootcert.crt" (root certificate CA T-TeleSec GlobalRoot Class). The file is available for download at

https://pki.pca.dfn.de/dfn-ca-global-g2/cgi-bin/pub/pki?cmd=getStaticPage;name=index;id=2&RA_ID=4760



Delete eduroam profiles

Follow the steps below to delete existing eduroam profiles.

Operating system	Picture
<p>Windows 10</p> <ul style="list-style-type: none"> ➤ Windows icon ▶ Setting (cogwheel) ▶ Network and Internet ➤ left WLAN ▶ Manage WLAN settings ▶ Manage known networks ➤ Select eduroam ▶ Selection: ➤ Do not save 	
<p>Android</p> <ul style="list-style-type: none"> ➤ Settings ➤ Select WLAN ➤ Tap and hold eduroam until the selection appears ▶ Remove network or Ignore network ➤ OR: ➤ Further settings ▶ Saved networks ▶ Select eduroam ▶ Do not memorise confirm 	
<p>iOS</p> <ul style="list-style-type: none"> ➤ Settings ▶ General ▶ Profile ➤ Mark eduroam ▶ delete 	
<p>macOS</p> <ul style="list-style-type: none"> ➤ System settings ▶ Profiles ▶ ➤ Remove eduroam ▶ ➤ OR ➤ WLAN symbol (top right) ▶ System settings Open network ➤ Left WLAN ▶ Further options below ➤ Mark eduroam ▶ Minus symbol 	

ZIM support for eduoram

Please feel free to contact us by email at zim-service@uni-potsdam.de or by using the contact form at <https://www.uni-potsdam.de/de/zim/beratung-hilfe/supportanfrage>.

Visit us directly at our technician WLAN consultation hours at the locations:

Location 1: **Am Neuen Palais | House 2, R 0.01., 0.03 and 0.06**

Times: Tues. 09:00 - 11:00 and Thurs. 13:00 - 15:00.

Contact persons: Mr Kersch, Mr Großholz, Mr Lehmann

Location 2: **Golm | House 8, R. 0.08**

Times: Tue. 13:00 - 14:30

Contact persons: Mr Kolossov, Mr

Pippig

Location 3: **Griebnitzsee | House 1, Room 1.47**

Times: Mon. 13:30 - 15:00

Contact person: Mr Ryl