

Computer setup

Akshat Jain, Thara Thit, Zidun Huang

Based on slides by Miriam Han

Fachschaft General & Computational Linguistics
University of Tübingen

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Pre-course

Before we start

- ▶ Your **login ID** (zx...) and **password** from your enrolment documents
- ▶ Forgot or never set your password? `passwort.uni-tuebingen.de`
- ▶ A **charged smartphone** with an authenticator app (for the VPN login)
- ▶ A laptop on which you can install software (admin rights)

Stuck?

Ask one of us, or the ZDV hotline: **07071-29 70250**

Agenda

1. WiFi: eduroam
2. VPN: eduMFA + eduVPN
3. Python (with conda)
4. VS Code

(useful for both GL & CL students)

WiFi: eduroam

- ▶ **eduroam** is the WiFi for students and staff, here and at universities worldwide
- ▶ Log in with `zx...@uni-tuebingen.de` and your password
- ▶ Set it up for the first time **here on campus**
- ▶ Until it works: connect to **UTguest** (open, **not encrypted**, only for the setup)

Which steps?

Laptop: steps 1–3, then your system · Phone: Android or iPhone/iPad slide

eduroam on your laptop: download

1. Connect to **UTguest**
2. Open `cat.eduroam.org`
3. Click the big blue button **“Click here to download your eduroam installer”**

eduroam® Installation made easy!

MS Windows

11, 10, 8, 7, Vista

Custom built for your organisation

Digitally signed by the organisation that coordinates eduroam®: GEANT Association

Welcome to eduroam CAT

Connect your device to eduroam®

eduroam® provides access to thousands of Wi-Fi hotspots around the world, free of charge. [Learn more](#)

[Click here to download your eduroam® Installer](#)

eduroam CAT
Release CAT:3.2

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GEANT

European Commission Communications Networks, Content and Technology

eduroam on your laptop: download

4. Pick **university of tuebingen**
not “Universitätsklinikum Tuebingen”
5. Click the big blue **eduroam** button
and save the file



Configuration Assistant Tool

Start page

university of tuebingen

If you encounter problems, then you can obtain direct assistance from your organisation at:
email: support@zdv.uni-tuebingen.de

This entry was last updated at: 2025-06-05 08:31:41



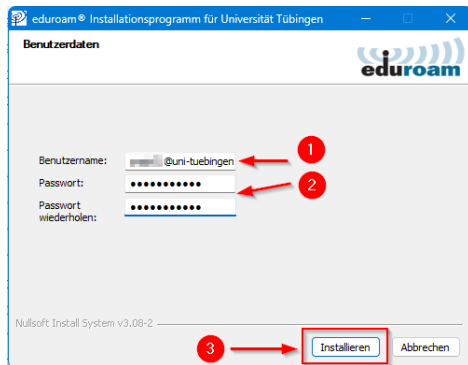
Download your installer for Apple device



Choose another installer to download

eduroam on Windows (10 and 11)

6. Double-click the downloaded file
7. Certificate warning about **HARICA TLS RSA Root CA 2021**? Click **Yes**
8. Username: type only zx...
(@uni-tuebingen.de is already filled in)
Password: your password (twice)
9. Click **Install** ("Installieren")
10. Choose **eduroam** in your WiFi list



eduroam on macOS

6. Double-click the downloaded file (a profile)
7. Open **System Settings** → **General** → **Device Management**
(older macOS: Privacy & Security → Profiles; German: Systemeinstellungen → Allgemein → Geräteverwaltung)
8. Double-click the eduroam profile → **Install**
9. Username: zx...@uni-tuebingen.de Password: your password
10. Choose **eduroam** in your WiFi list

eduroam on Linux

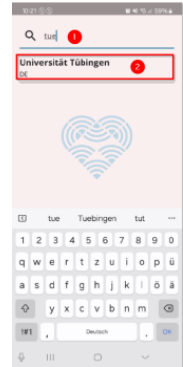
6. The download is a small Python script
7. Run it in a terminal: `python3 eduroam-linux-...py`
8. Username: `zx...@uni-tuebingen.de` Password: your password
9. Choose **eduroam** in your WiFi list

Problems? Ask one of us.

eduroam on Android

1. Install **geteduroam** from the Play Store
2. Open it, search and pick **Universität Tübingen**
3. Username: `zx...@uni-tuebingen.de`
Password: your password → save
4. Done: your phone connects to eduroam

Setting it up by hand? Never choose “Do not validate” for the certificate.



eduroam on iPhone / iPad

1. Open `cat.eduroam.org` in **Safari**
2. Download the profile for **university of tuebingen**
3. Open **Settings**: tap **Profile Downloaded**
(or: Settings → General → VPN & Device Management)
4. Tap **Install**
5. Username: `zx...@uni-tuebingen.de` Password: your password

Just tapping “eduroam” and “Trust” also connects, but then your phone trusts any eduroam network, including fake ones.

eduroam: if it does not work

- ▶ Check the username: `zx...@uni-tuebingen.de`
- ▶ Changed your password? Enter the new one on **every** device
- ▶ Official guides for all systems:
`wiki.uni-tuebingen.de/short/48965`
- ▶ ZDV hotline: **07071-29 70250**

Manual setup (for helpers)

WPA2-Enterprise · PEAP · certificate: HARICA TLS RSA Root CA 2021

VPN

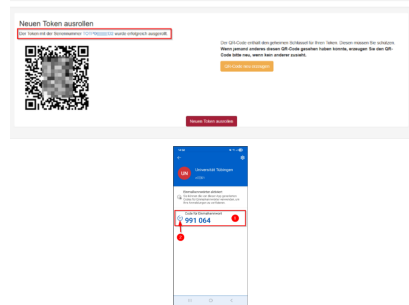
- ▶ **What is it?** It connects your device to the university network from anywhere
- ▶ **Why?** For things that only work on campus, like many library e-books
- ▶ Some publishers also offer “**Login via your institution**”: pick University of Tübingen
- ▶ Enter your university login only on university pages

New since last year

The university now uses **eduVPN**, and logging in needs a **second factor (eduMFA)**. Old guides (SSTP, “mobileconfig” file) no longer apply.

VPN, step 1: second factor (eduMFA)

1. Install an **authenticator app** on your phone (Microsoft or Google Authenticator, Ente Auth; Android also Aegis)
2. On **eduroam**, open `edumfa.uni-tuebingen.de`
Log in with `zx...` and your password
3. Create a **TAN list** first: save it as PDF and print it
4. Then **Roll out token**: scan the QR code with your app

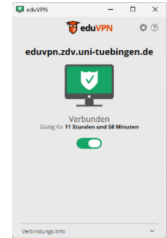


The QR code and the TAN list are shown only once. Have the app open before you start.

The first login only works on campus (university network or eduroam).

VPN, step 2: eduVPN

1. Install **eduVPN**
Windows, Linux: eduvpn.org/client-apps
macOS (13 or newer), iPhone: App Store
Android: Play Store
2. Search **Tübingen** and pick **University of Tübingen**
(under Institute Access)
3. In the browser: `zx...` and your password, then the **code from your app** (or a TAN)
4. Click **Authorise / Approve**
(Android: choose “uni-vpn”)
5. Connect: it works for **12 hours**, then log in again



VPN: if it does not work

- ▶ Mac: eduVPN needs **macOS 13** or newer
- ▶ Mac / iPhone: ALMA does not open despite the VPN? Turn off **iCloud Private Relay**
- ▶ The VPN does not work from the university hospital network
- ▶ Lost your phone? Log in to eduMFA with a **TAN** and set up the app again
- ▶ Official guides:
ZDV wiki → VPN - Remote-Zugang

Python

- ▶ **What is it?** A programming language
- ▶ **Why install it?** You need it for “Programming and Data Analysis” in the module “Methods 1”
- ▶ **How?** With **conda** (Miniforge): it installs Python and keeps each course’s packages in its own **environment**

Already have Python from python.org or the Microsoft Store? No problem: conda keeps its own copy.

Python: install conda (Miniforge)

Windows

1. Download the installer from conda-forge.org/download
2. Run it: **Just Me**, keep the suggested folder
(no spaces or ä/ö/ü in the path)
3. Leave **“Add to PATH”** unticked
4. Open **Miniforge Prompt** from the Start menu

macOS / Linux: in the Terminal

```
curl -L -O "https://github.com/conda-forge/miniforge/releases/latest/download/
```

```
Miniforge3-$(uname)-$(uname -m).sh"
```

```
bash Miniforge3-$(uname)-$(uname -m).sh
```

Accept the licence, keep the folder, answer **yes** to “initialize conda”. Then close and reopen the Terminal.

(copy both commands from conda-forge.org/download)

VS Code

- ▶ **What is it?** A code and text editor
- ▶ **Why install it?** You can use it for your “Programming and Data Analysis” assignments; your instructor might ask you to use a different editor though

AI assistants

VS Code offers an AI assistant (Copilot). Check each course’s rules before using it for assignments.

VS Code: install

1. Download it from `code.visualstudio.com/download`
 - ▶ Windows: keep “**Add to PATH**” ticked
 - ▶ macOS: move the app into **Applications**
2. Open **Extensions**: the icon with four squares on the left (Ctrl+Shift+X, on a Mac Cmd+Shift+X)
3. Search **Python** and install the one by **Microsoft**

VS Code: test it

1. Create a file `hello.py` with one line:

```
print("Hello, Tübingen!")
```
2. Bottom right: click the Python version and pick your conda environment
the one from Miniforge, shown as base
(or `Ctrl+Shift+P` → “Python: Select Interpreter”)
3. Click ▷ **Run** at the top right
4. You see Hello, Tübingen! in the terminal below? You are done

Useful links

Network

- ▶ eduroam installer:
`cat.eduroam.org`
- ▶ eduroam guides:
`wiki.uni-tuebingen.de/short/48965`
- ▶ eduMFA portal (on campus):
`edumfa.uni-tuebingen.de`
- ▶ VPN guides:
ZDV wiki → VPN - Remote-Zugang
- ▶ Password: `passwort.uni-tuebingen.de`

Programming

- ▶ Miniforge (conda):
`conda-forge.org/download`
- ▶ VS Code:
`code.visualstudio.com`

Help

- ▶ ZDV hotline:
07071-29 70250

eduroam + second factor: set them up here on campus

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conda + VS Code: fine to do at home

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Stuck? Ask us or the ZDV