

Linux

Certificates

Current Linux distributions already have the necessary CA-certificates integrated into their operating system. Therefore you can usually go straight into the following configuration of the wifi.

In case you use an older version, the necessary certificates can be accessed the easiest by downloading them from existing network access. You should save them in `/etc/ssl/certs/`.

- CA-certificate of the German Telekom :
GermanTelekom Root CA 2
- CA-certificate of the T-TeleSec:
T-TeleSec GlobalRoot Class 2

Linux-Gnomes

Configuration

Upper right toolbar: WLAN / Wireless Network Settings / Visible Networks: eduroam

- Security of the Wireless Network: WPA & WPA2 Enterprise
- Legitimation: Protected EAP (PEAP)
- Anonymous Identity: anonymous@hs-woe.de
- Domain: hs-woe.de
- CA-Certificate:
 - Andere Orte → Rechner → etc → ssl → certs:
 - `selct ca-bundle.crt (/etc/ssl/certs/ca-bundle.crt)`.
 - If not existent, select a CA-certificate depending on the [location](#):
 - `Deutsche_Telekom_Root_CA_2.pem (/etc/ssl/certs/Deutsche_Telekom_Root_CA_2.pem)` or
 - `T-TeleSec_GlobalRoot_Class_2.pem (/etc/ssl/certs/T-TeleSec_GlobalRoot_Class_2.pem)`
- PEAP-Version: Automated
- Internal Legitimation: MSCHAPv2
- Username: [Domain Login](#) (Form: ma1150@hs-woe.de)
- Password: <Your Password>
- Connect

Raspbian



No network manager is allowed to be active for the following instruction because they do



not act jointly with wpa_supplicant!

Following files and parameters need to be configured for an eduroam access:

- /etc/network/interfaces

```
auto wlan0
allow-hotplug wlan0
iface wlan0 inet dhcp
wpa-conf /etc/wpa_supplicant/wpa_supplicant.conf
```

Afterwards, the file indicated in advance needs to be configured under: /etc/wpa_supplicant/ :

- /etc/wpa_supplicant/wpa_supplicant.conf

```
network={
ssid="eduroam"
group=CCMP
pairwise=CCMP
key_mgmt=WPA-EAP
eap=PEAP
identity="ab1234@hs-woe.de"
anonymous_identity="anonymous@hs-woe.de"
password="password"
phase1="peaplabel=0"
phase2="auth=MSCHAPV2"
# For locations in ELS/OL
ca_cert="/etc/ssl/certs/Deutsche_Telekom_Root_CA_2.pem"
# For locations in WHV and OL-MR-building
ca_cert="/etc/ssl/certs/T-TeleSec_GlobalRoot_Class_2.pem"
}
```

Under "identity" the applicable user@hs-woe.de needs to be registered. The corresponding passwords have to be typed in under "password".

After a restart of the Raspberry Pi, a connection to eduroam should be established automatically.

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