HUMBOLDT-UNIVERSITÄT ZU BERLIN

Access to wifi eduroam with personal certificate under Windows 11, 10

Stand: b'31. August 2023'

Notice: This is not the preferred setup instruction. Please choose the preferred ones: https://wlan.hu-berlin.de

1 Preface

The following description was created in a Windows 10 virtual machine with an AVM external wireless LAN stick. The access to the WLAN eduroam is described. The authentication on the WLAN is not done with username/password but with a personal certificate. Prerequisite for the receipt of a certificate that entitles to log on to the WLAN is an HU account at the CMS.

Hinweis: Diverse Abkürzungen und fachspezifische Begriffe sind im Glossar erklärt.

2 Persönliches WLAN-Zertifikat erstellen

Before downloading the certificate installation program, you must first be connected to the Internet. You can choose a free wifi or your mobile network. If there is already a (different) access to the Internet, this can of course be used. It is then equivalent to continuing with the downloading the certificate installation program.

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letzte Aktualisierung: b'31. August 2023'
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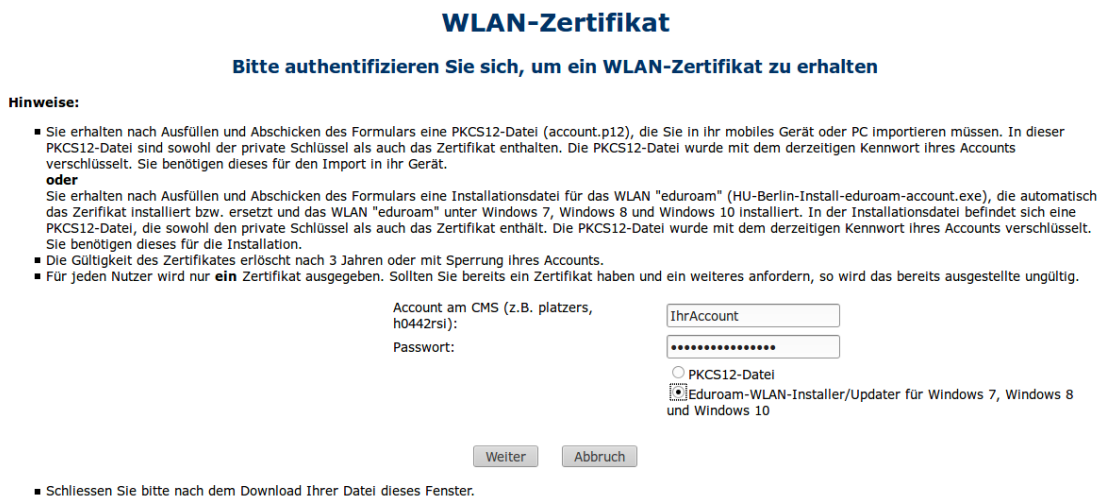
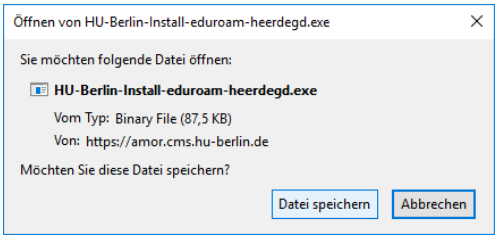
2.1 Request personal WLAN certificate



Open the page `https://amor.cms.hu-berlin.de/account/wlan.cgi` with a web browser. Enter your CMS user name and password, select **Eduroam WLAN Installer/Updater for Windows 11 and Windows 10** and click **Next**.
An installation routine will be created with a key generated for you with an associated certificate.



The certificate installation program is offered for download.
Click **Save File**. The file is saved to the user's *Downloads* folder by default.

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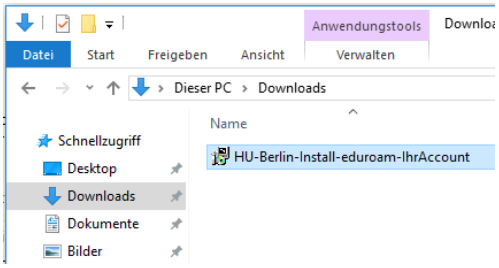
3 Install Personal WLAN Certificate and WLAN Configuration

The Eduroam WLAN installer imports your personal WLAN certificate, installs WLAN certificate and installs the eduroam WLAN profile for using the WLAN.



In Windows Explorer, open the Downloads folder (or the folder where you saved the installer in the previous step).
The file name of the installer is *HU-Berlin-Install-eduroam-<HU-Account>.exe*, where *<IhrAccount>* is your user name at the CMS. Start the installation program with a double click.

A warning appears. Confirm the execution of the installation program by clicking on **More Information**...

...and then on **run anyway**.

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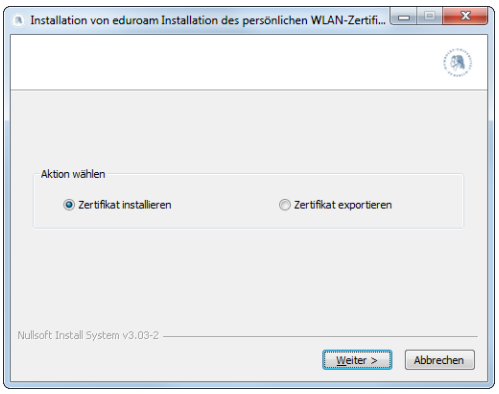
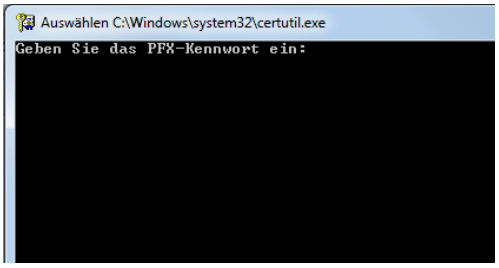
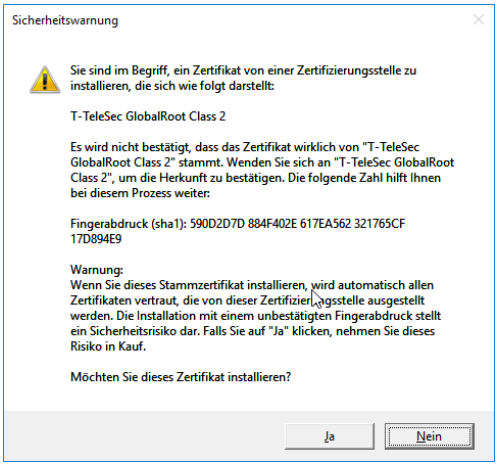
Select the language in the following dialog and click **OK**.



Start the installation by clicking on **Next**.



Enter your HU account password to import the private key to your wireless certificate and press the Enter key.
Note: No characters are displayed during entry. Entering works anyway.



This window installs the Wi-Fi certificate. Confirm the installation by clicking on **Yes**.

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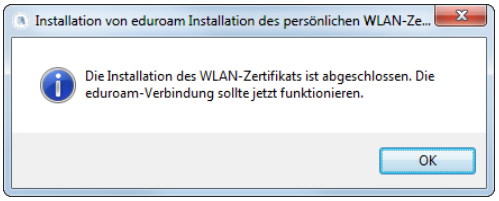
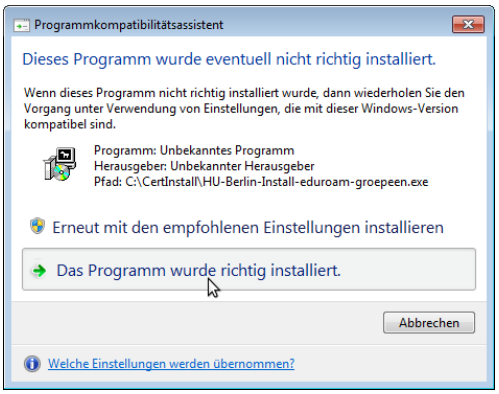


The installation was completed. The eduroam WLAN connection should work now. Click **OK**.



This window may be displayed after the installation is complete. This does not indicate an error during installation. Click **The program was installed correctly**.

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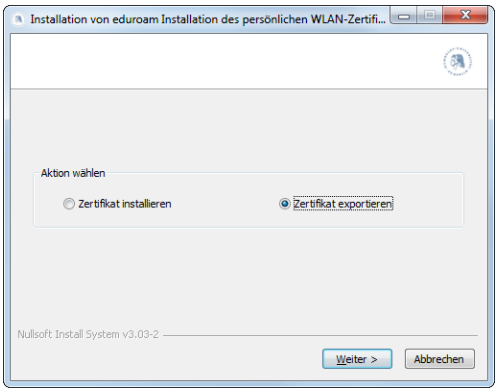
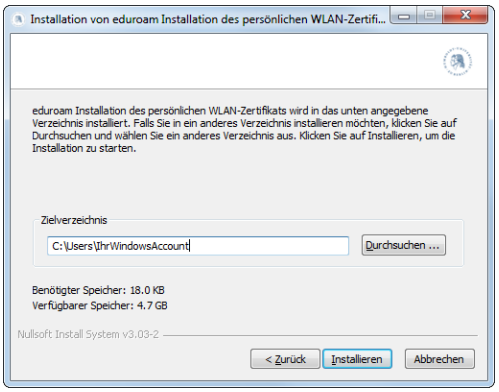
4 Export Personal WLAN Certificate

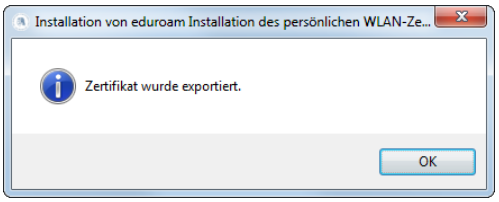
This section is interesting if you want to use the WLAN with your certificate on other devices on which this installer does not work. For this purpose the installer offers the possibility to export the required PKCS12 file (account.p12), which contains the private key and the certificate.



Start the Eduroam installer, select **Export Certificate** and click on **Next**.



Durch Klicken auf *Durchsuchen ...* können Sie ein Zielverzeichnis für die PKCS12-Datei auswählen.
Standardmäßig wird die Datei in Ihr Home-Verzeichnis exportiert.
Klicken Sie im Anschluß auf **Installieren**, um die PKCS12-Datei zu exportieren.



The file was successfully exported. Click on **OK**.

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