

Setting up the wireless network – this is how it works:

// DHBW Mosbach / Campus Bad Mergentheim / IT Service Center

This manual explains how to set up the wireless network on laptops and smartphones.

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Set-up using Windows 7

Please make sure that you are not already connected to a different network. You can recognize this if you look at the „wireless connection symbol“ which usually looks like this: 

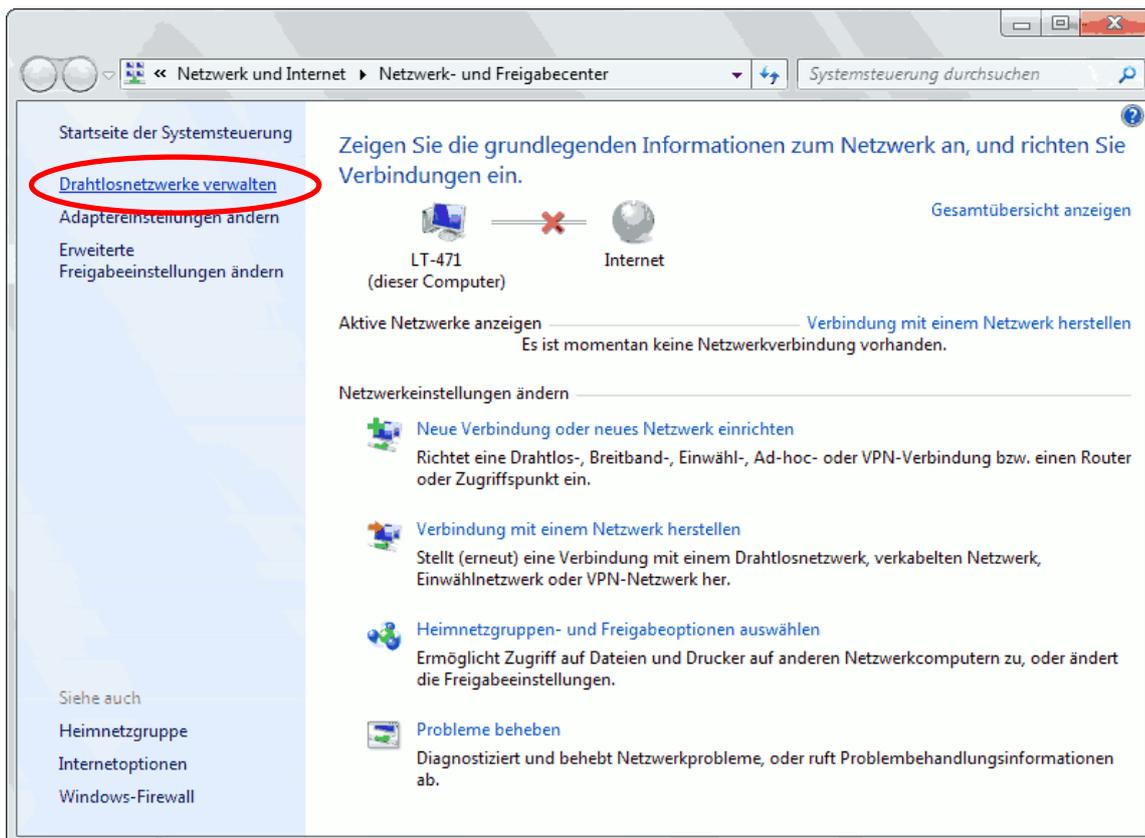
Click on this symbol and you will get shown a dialogue like the one on the right.

Please do not select one of the networks displayed but click on „open network- and sharing-center“ instead.

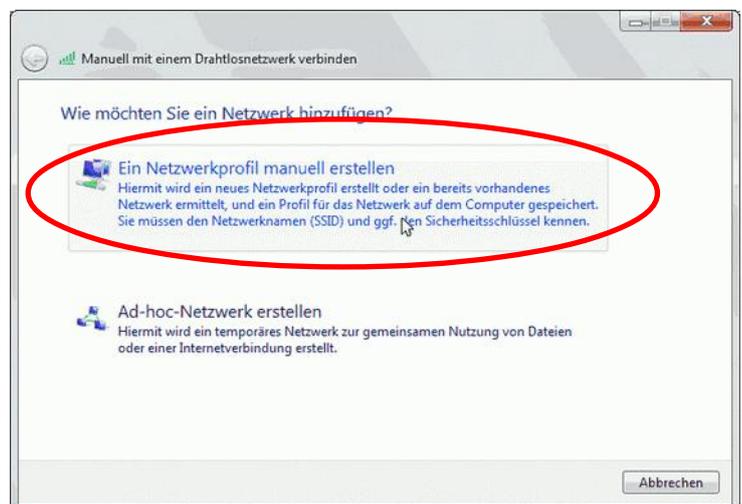




You will be directed to the network- and sharing control panel. Please click on „administration of wireless networks“

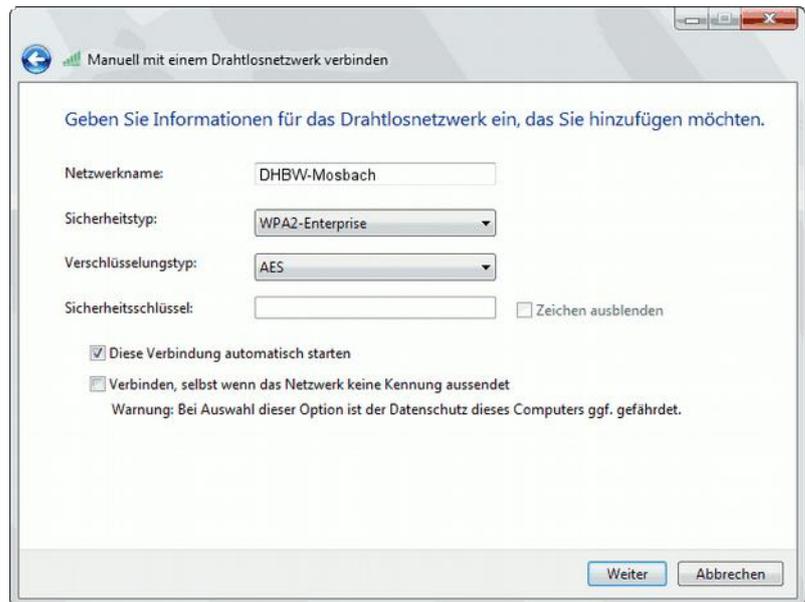


Click on „add wireless network manually“.





Use the settings shown on the right for your new network.



Manuell mit einem Drahtlosnetzwerk verbinden

Geben Sie Informationen für das Drahtlosnetzwerk ein, das Sie hinzufügen möchten.

Netzwerkname: DHBW-Mosbach

Sicherheitstyp: WPA2-Enterprise

Verschlüsselungstyp: AES

Sicherheitsschlüssel: Zeichen ausblenden

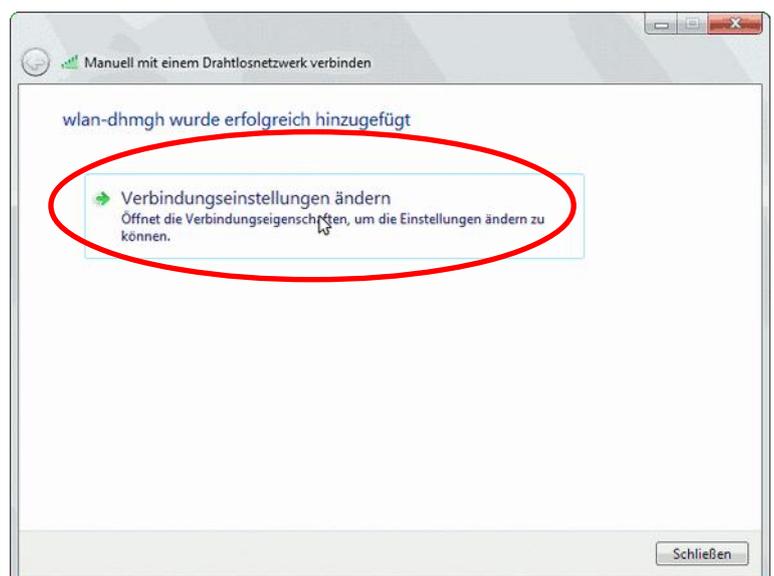
Diese Verbindung automatisch starten

Verbinden, selbst wenn das Netzwerk keine Kennung aussendet

Warnung: Bei Auswahl dieser Option ist der Datenschutz dieses Computers ggf. gefährdet.

Weiter Abbrechen

You will get a confirmation as soon as you have added your network.
Click on „change connection settings“ after that.



Manuell mit einem Drahtlosnetzwerk verbinden

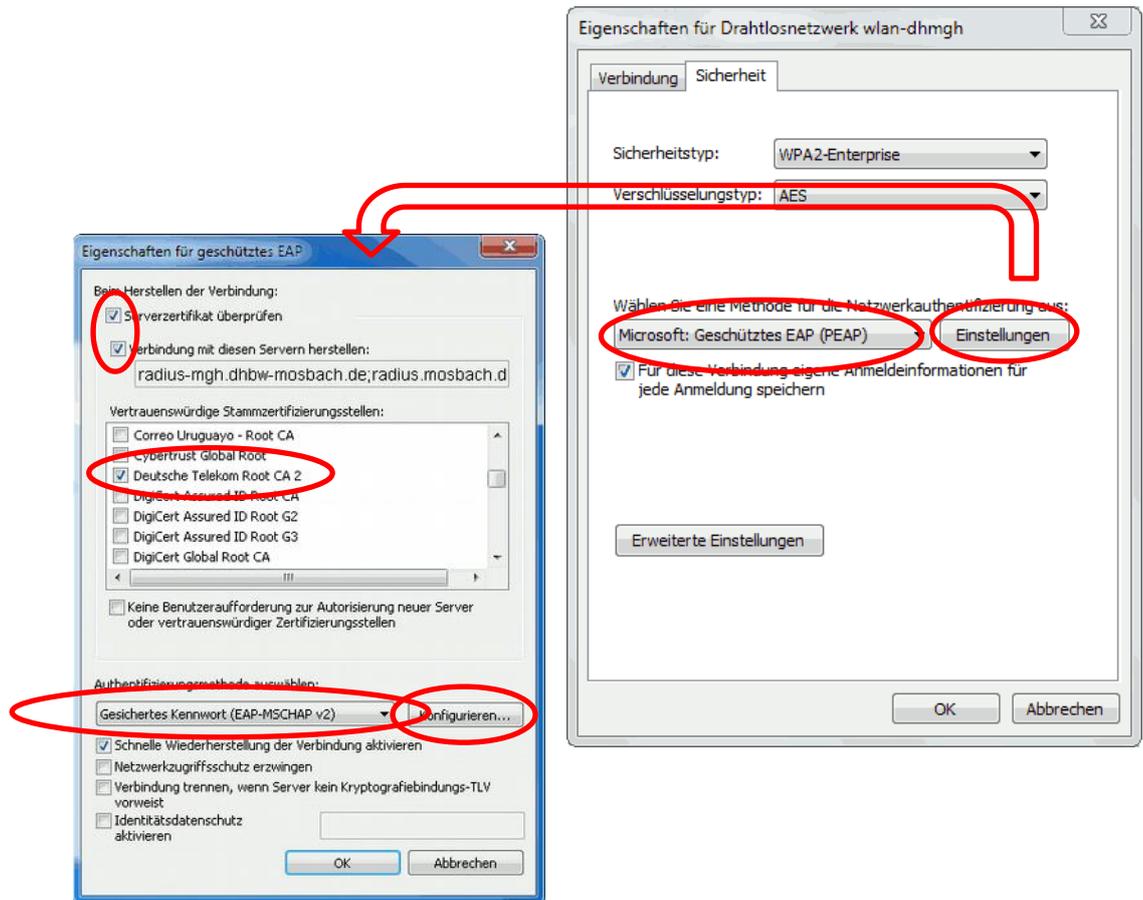
wlan-dhmgh wurde erfolgreich hinzugefügt

Verbindungseinstellungen ändern
Öffnet die Verbindungseigenschaften, um die Einstellungen ändern zu können.

Schließen



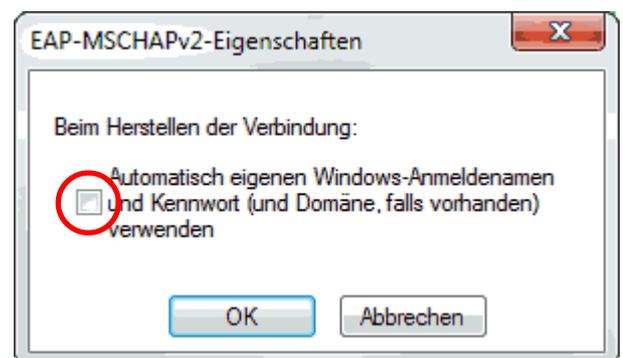
Please adjust your settings like the ones shown on the right. Click on „settings“ afterwards.



In the field „connect to these servers“ you have to enter three servers: „radius-mgh.dhbw-mosbach.de; radius.mosbach.dhbw.de;radius.dhbw-mosbach.de“¹.

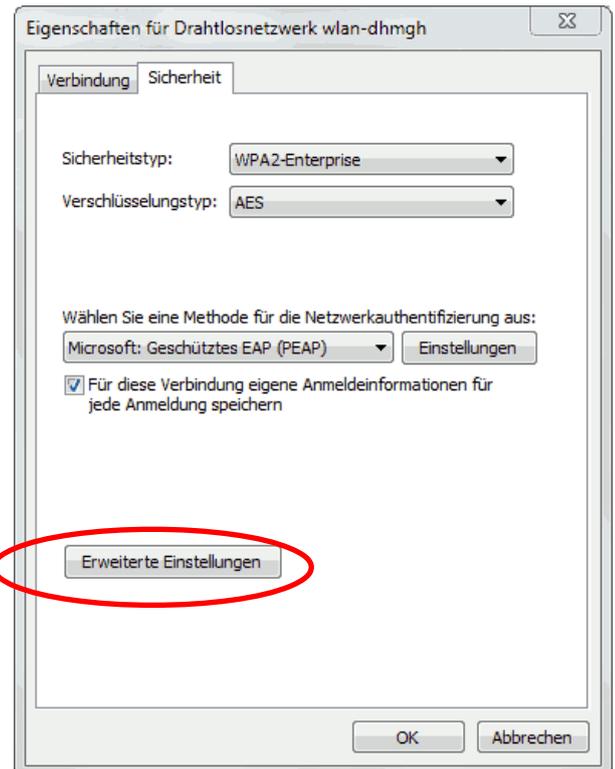
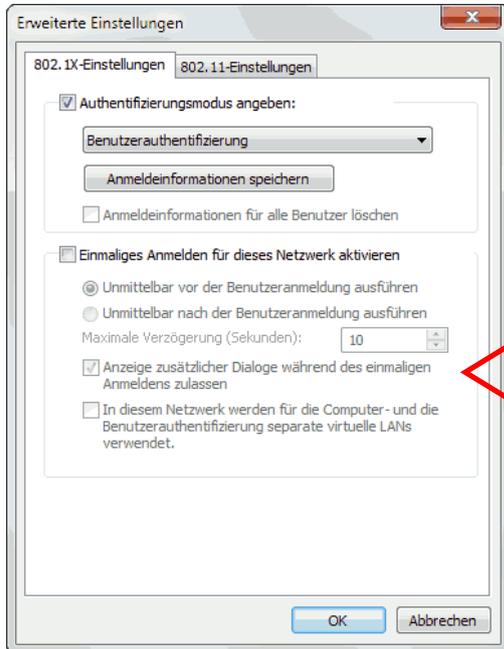
Set the check in the field „validate server certificate“ and select „Deutsche Telekom Root CA 2“.
Continue with „configure...“

Unset this checkbox..





Now click on „advanced settings“ in the originating dialogue. You will get to a window like the one showed on the right. Please set the checkbox „authentication mechanism“ and select „user authentication“.



Now all the necessary settings have been made. You might be prompted for additional login information now.

Click on the corresponding box and enter your login data. These data are the same as the ones you use for moodle or the logon on the computers.

The wlan-setup is now finished.





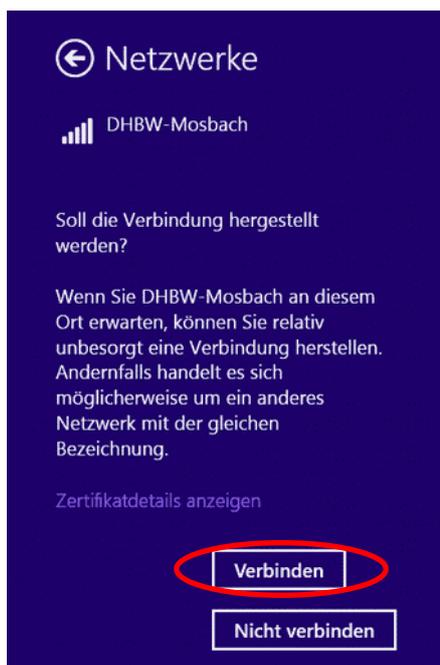
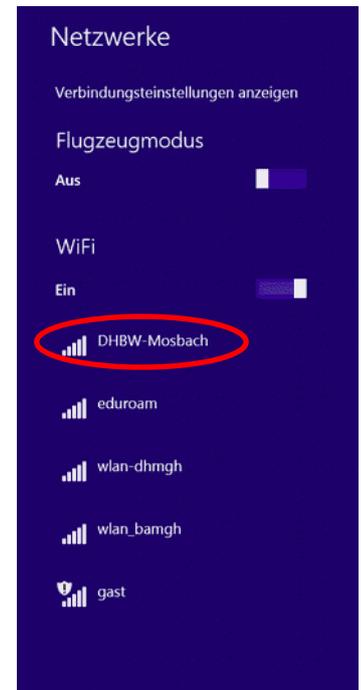
Setup using Windows 8 / 10

Please select the wireless network named „DHBW-Mosbach“.



After having clicked the network you will be prompted by a dialogue asking for your username and your password.

These data are the same as the ones you use for moodle or the logon on the computers. You will get a connection status displayed:



After a click on „connect“ the wireless network setup is complete.





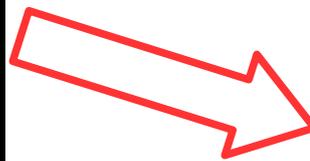
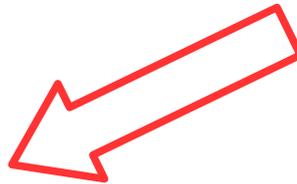
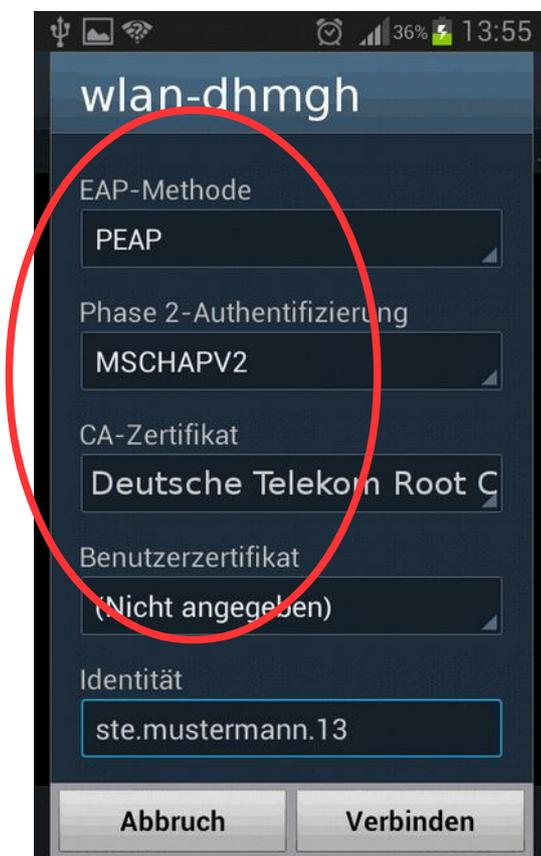
Setting up using Android

First of all: most devices lack the certificate "T-TeleSec GlobalRoot Class 2". You will notice that if you can't select the certificate in the dialogue shown below.

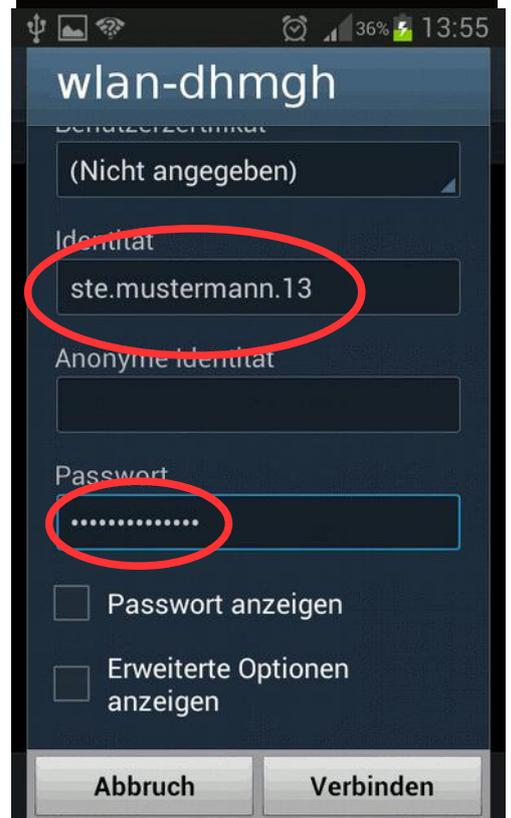
For security reasons you should install this certificate before setting up the wifi network. This is very easy and takes only a few seconds. Please refer to page 10 in order to see how to do so.

You should be able to see an network called „DHBW-Mosbach“ in the network overview. Please select that network.

You will get the type of the network encryption displayed. Please check these data and adjust the settings corresponding to these shown below:²



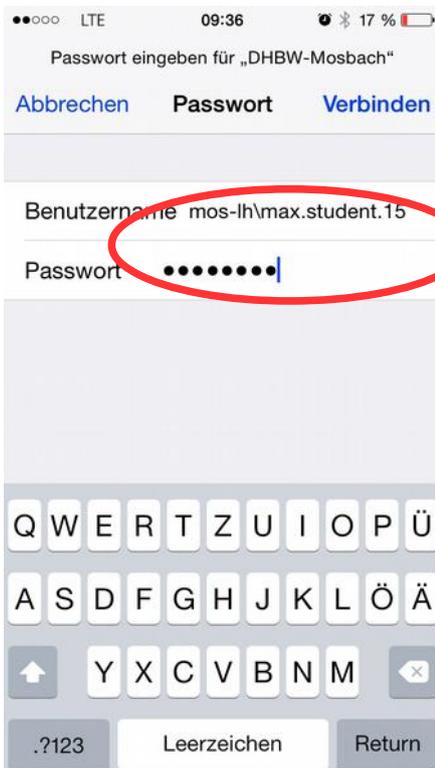
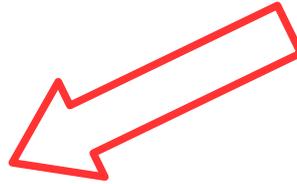
Now you have to enter your login data. These data are the same as the ones you user for moodle or the logon on the computers. Select „connect“ afterwards and you're done.





Setting up iPhones and Apple laptops

Select the network named „DHBW-Mosbach“ in the network overview.



Now you have to enter your login data. These data are the same as the ones you user for moodle or the logon on the computers.

Depending on the IOS-Version of your device you might get displayed a dialogue as the one shown to the left. Click on „trust“ there.

The wireless setup is completed afterwards.



Additional information concerning the certificate validation.

Hypothetically you can connect to the wireless network without any certificate validation. This is strongly disadvised. You might get some kind of warning like the one shown on the right.

If you get some warning like this please abort the connection at once and check your wireless-settings, especially the certificate settings.

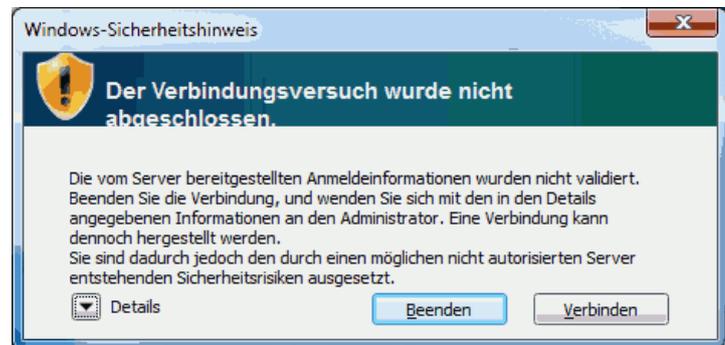
Why is the certificate validation that important?

Anyone can create and publish a network called „DHBW-Mosbach“ without significant effort.

And if you connect to such a network without the certificate validation you have absolutely no reliability that the network really belongs to the institution you expect. It could belong to anyone – a malicious neighbour or someone on the street who is trying to catch your username and your password (and even more) by using a trustworthy sounding network name.

If you get an error like the one above, the probability for the latter is relatively high. If you enter your username and your password or even browse the internet with that connection you can be relatively sure, that your data have just been leaked to someone else.

The certificate validation makes sure, that you really connect to the service provider you expect and nothing else. Please be very careful when you access the internet via the wireless network, that you set up the network correctly. Otherwise you might be at risk, that someone else not only grabs your username and your password but even the whole internet traffic with the possibility to manipulate almost any communication between you and the internet.



Where applicable install the certificate before setting up the wifi network

Most operating systems already include the required certificate. But even with the latest smartphones this is not the case very often.

If your device lacks the certificate „T-TeleSec GlobalRoot Class 2“ (mostly the case on android cellphones), please scan the qr-code below, download and install the certificate. As a certificate name you can type in anything („Telekom“ is recommended), as purpose please select "wifi". From now on you can select the certificate afterwards as described in this manual.

