How to configure 802.1x PEAP authentication for Windows XP wired connections

The described below is based on the Windows XP Professional edition Service Pack 3.

PEAP (Protected Extensible Authentication Protocol) is a version of EAP, the authentication protocol used in wireless networks and Point-to-Point connections. PEAP is designed to provide more secure authentication for 802.11 WLANs (wireless local area networks) that support 802.1X port access control.

PEAP authenticates the server with a public key certificate and carries the authentication in a secure Transport Layer Security (TLS) session, over which the WLAN user, WLAN stations and the authentication server can authenticate themselves.

EAP/TTLS used by the SecureW2 supplicant gives more security, but at this moment SecureW2 is not usable with Windows XP Service Pack 3 in combination with a wired connection - so we will use PEAP instead.

PEAP can also be used to connect to the wireless “eduroam” network

Notes!

- You must have Administrator rights at your PC or laptop to configure!
- The “Wired AutoConfig” and “Wireless Zero Configuration” services must be running!

Click “start”

Click “run”
- Type: services.msc
- Click OK

- Scroll to Wired AutoConfig and check the Status
- If not running - right click the service and select “Properties”
• Select Startup type: “Automatic”
• Click Start to start the service
• Follow the same procedure for the “Wireless Zero Configuration”
Configuring PEAP goes as follows:

Click "Start" and select "Control Panel"
Click "Network and Internet Connections"
Click "Network Connections"
Right click your ethernet adaptor - This may have a different name!!
Select "properties"
Click "Authentication"
In the list box select “Protected EAP (PEAP)”
Unvink "Cache user information……"  
Click "Settings..."
Select "Validate server certificate"
In the list box select "AddTrust External CA Root"
Select "Enable fast Reconnect"
Click "Configure" "Secured password (EAP-MSCHAP v2)"

Uncheck “Automatically......”
Click "OK"
• Click "OK"
• The following pop up balloon will appear.

![Additional information is required to connect to the network](image)

• Click inside “The popup balloon”
• The following network login window will appear"
Fill in your "User name" and "Password"
Click "OK"
You will be connected