# Manual for connection to eduroam (cable) – Windows

Before any configuration you have to **setup secure password for wifi eduroam**:

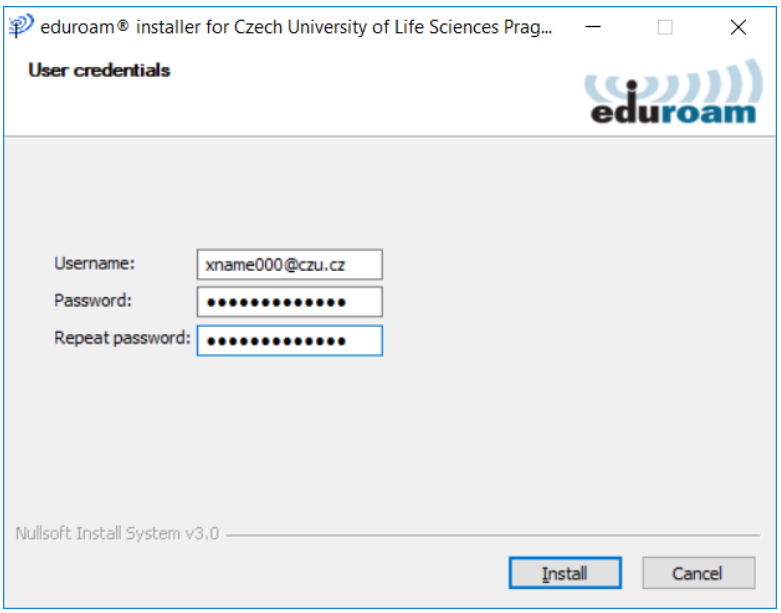
a. Application **Moje ČZU** for Android and iOS
b. **https://is.czu.cz/**
c. Employees at **https://intranet.czu.cz**

There are two ways to setup eduroam on Windows **eduroam CAT application** and **manual setup**.

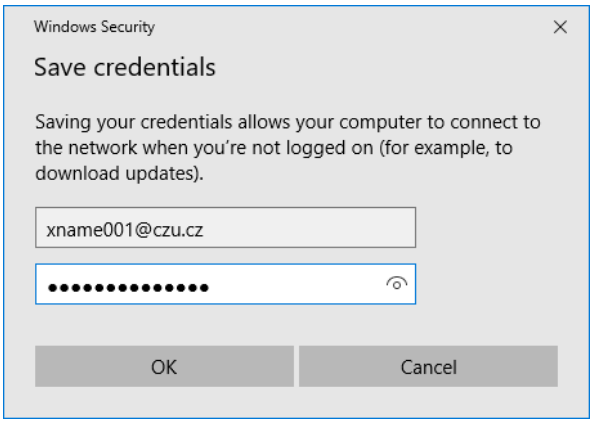
## eduroam CAT application

Application is properly tested only on Windows 10. If you encounter any difficulties with older versions of Windows, we recommend to set it up manually.

Download eduroam installer on **https://cat.eduroam.org/**. As your organisation choose Czech University of Life Sciences Prague. Choose **eduroam Wi-Fi +wired**. Installer will ask you for your credentials. It is important to fill your username with domain **@czu.cz** for example **xname000@czu.cz**.



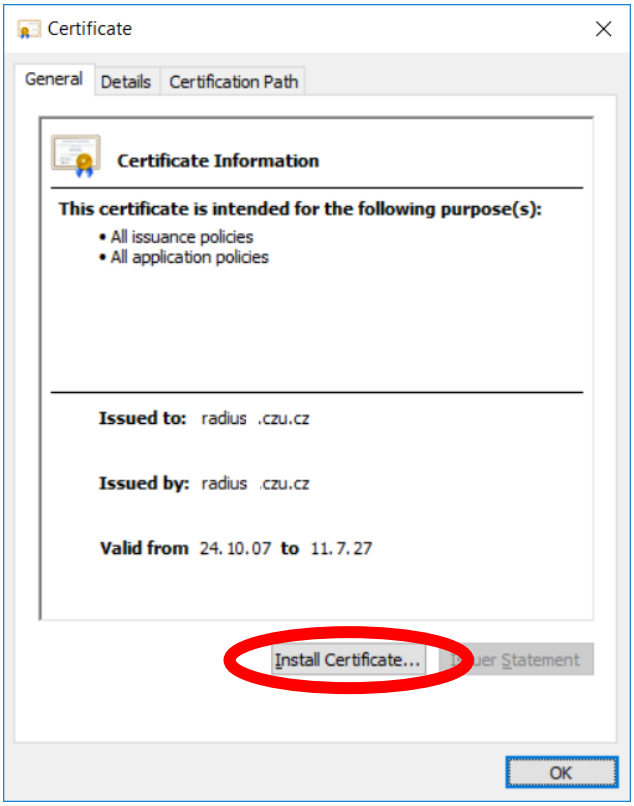

After installation, there is a possibility, that popup “Windows security” window shows up (this window may be hidden behind any window in front, so to be sure minimalize all other windows). Fill in your credentials, which are the same as for wi-fi eduroam (with @czu.cz in your username). There is a possibility this window shows up 2 more times with the same request.

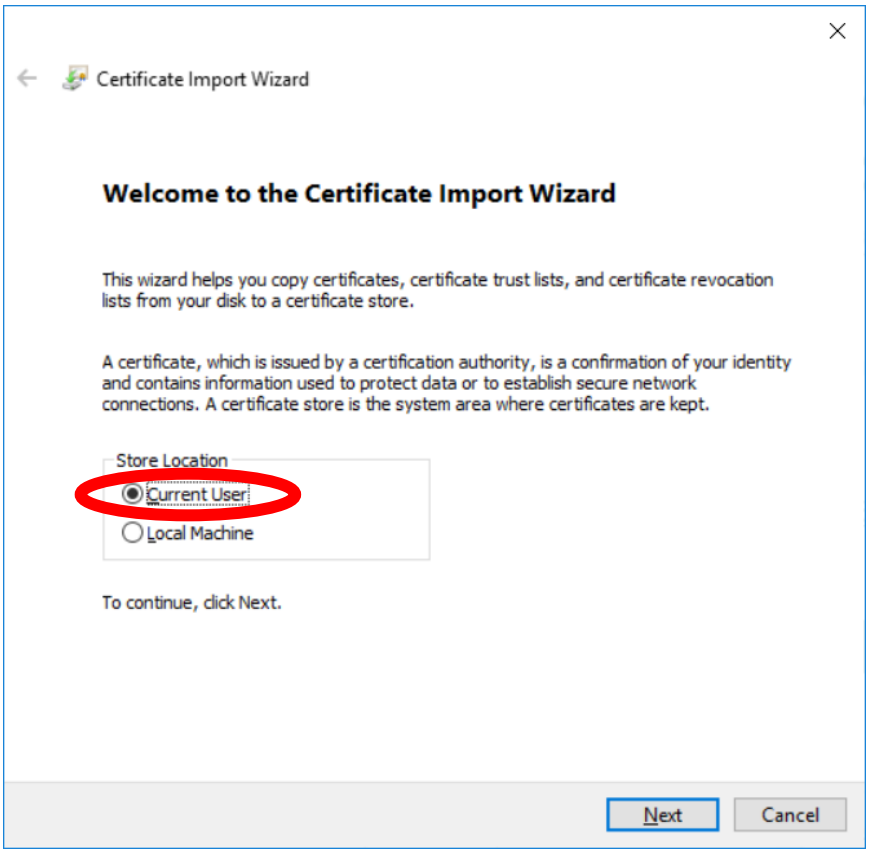


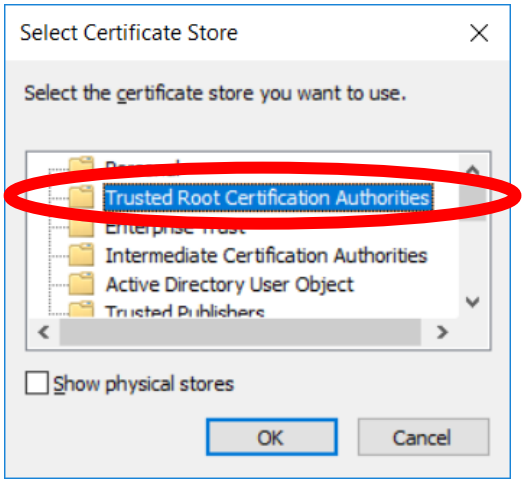

# Manual setup

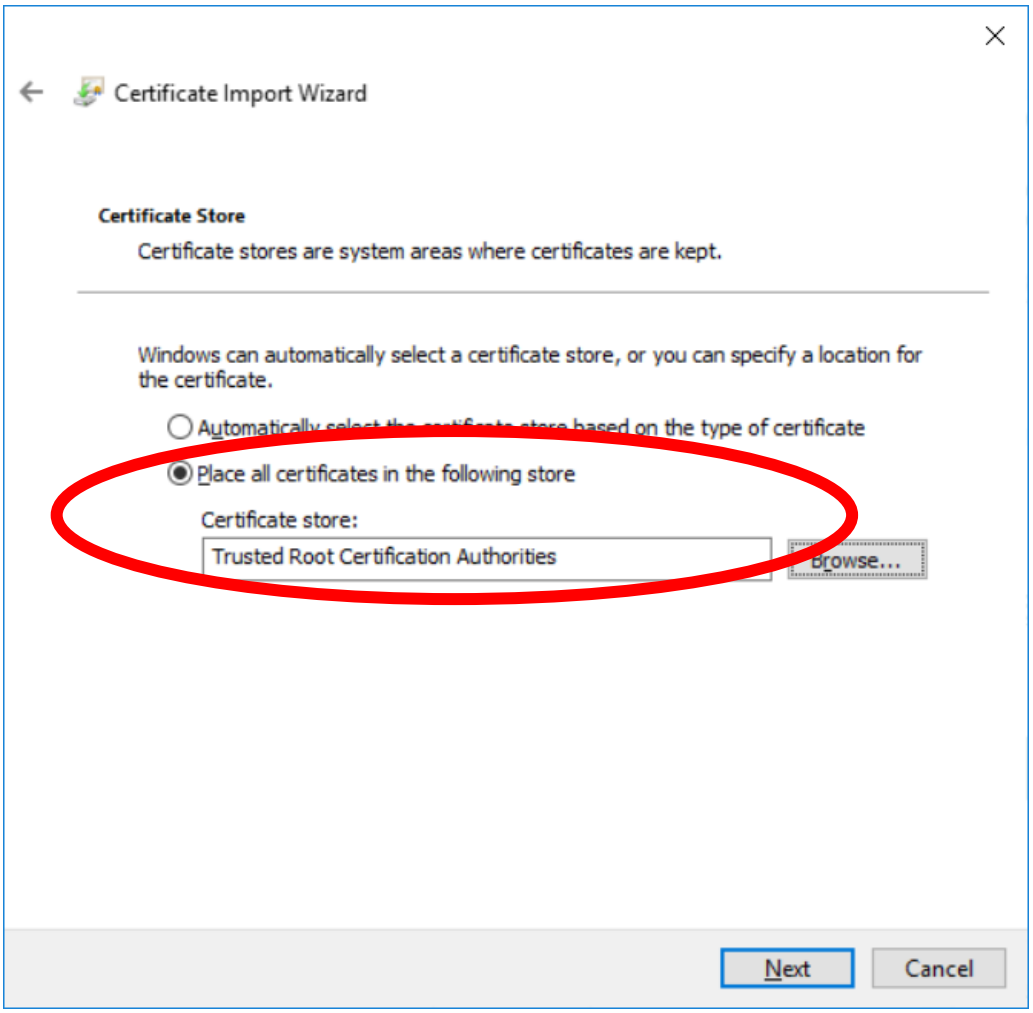
1) Download and install “certificate for authentication” link below
   **Certificate**

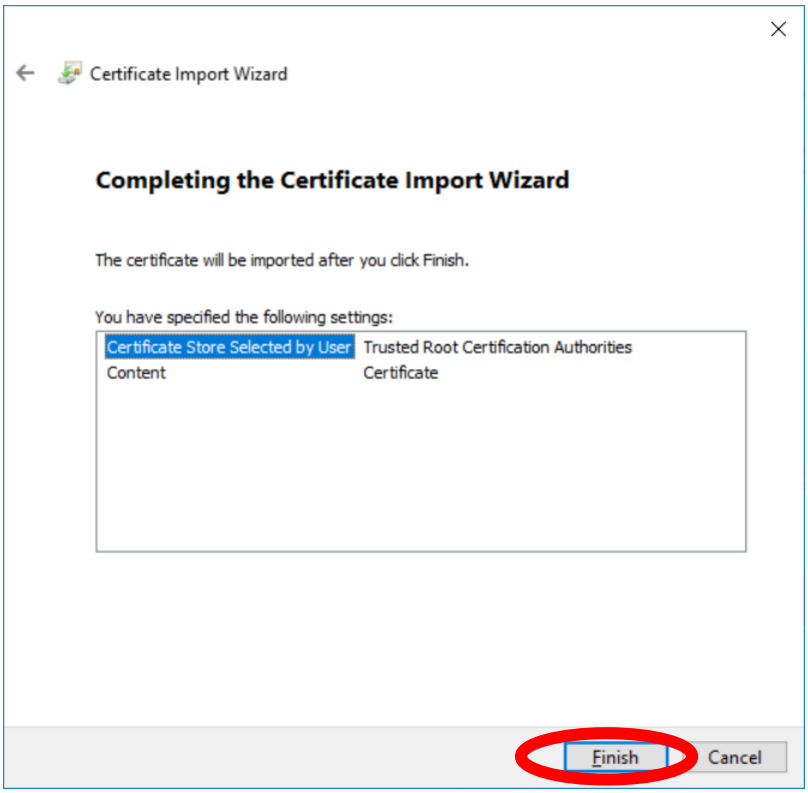
   a. Installation is made for **Current user** and to **Trusted Roots Certification Authorities.**

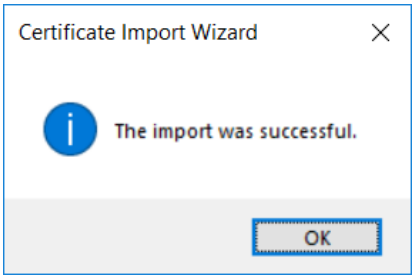



Certificate Import Wizard
Welcome to the Certificate Import Wizard
This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.
Store Location
Current User
Local Machine
To continue, click Next.
Next
Cancel


Select Certificate Store
Select the certificate store you want to use.
Trusted Root Certification Authorities
Intermediate Certification Authorities
Active Directory User Object
Show physical stores
OK
Cancel

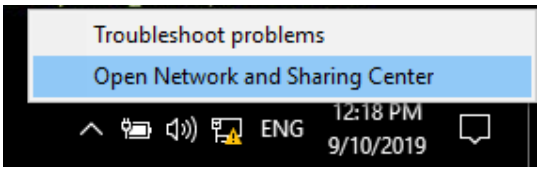

Certificate Import Wizard
Certificate Store
Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for the certificate.
Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store:
Trusted Root Certification Authorities
Browse...
Next
Cancel

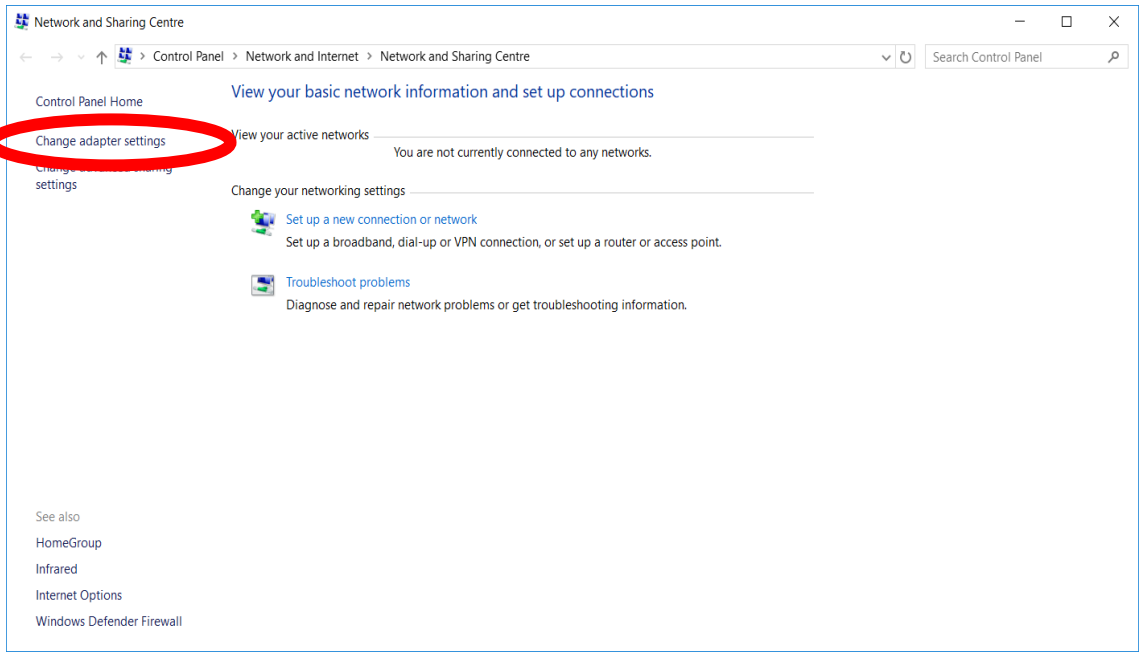

Certificate Import Wizard
Completing the Certificate Import Wizard
The certificate will be imported after you click Finish.
You have specified the following settings:
Certificate Store Selected by User
Trusted Root Certification Authorities
Content
Certificate
Finish
Cancel

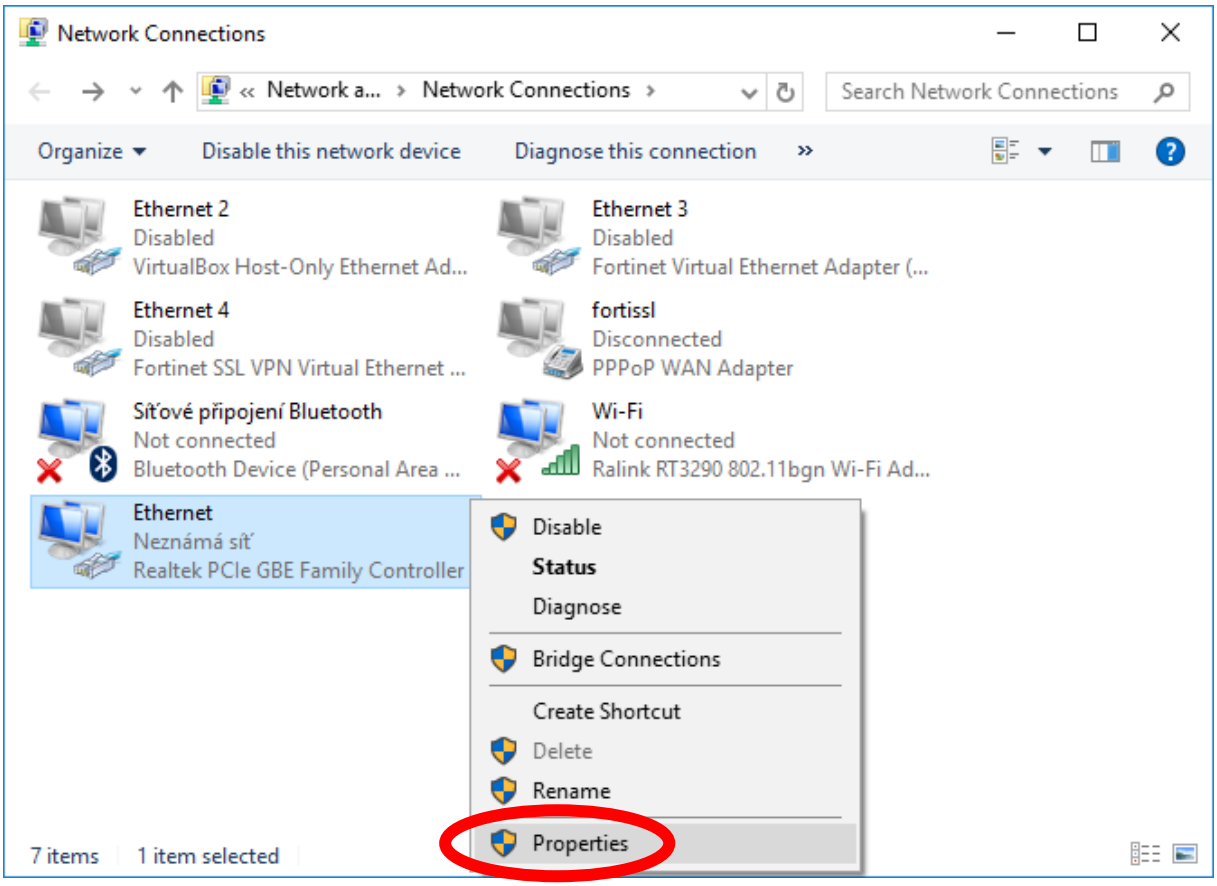

Certificate Import Wizard
The import was successful.
OK

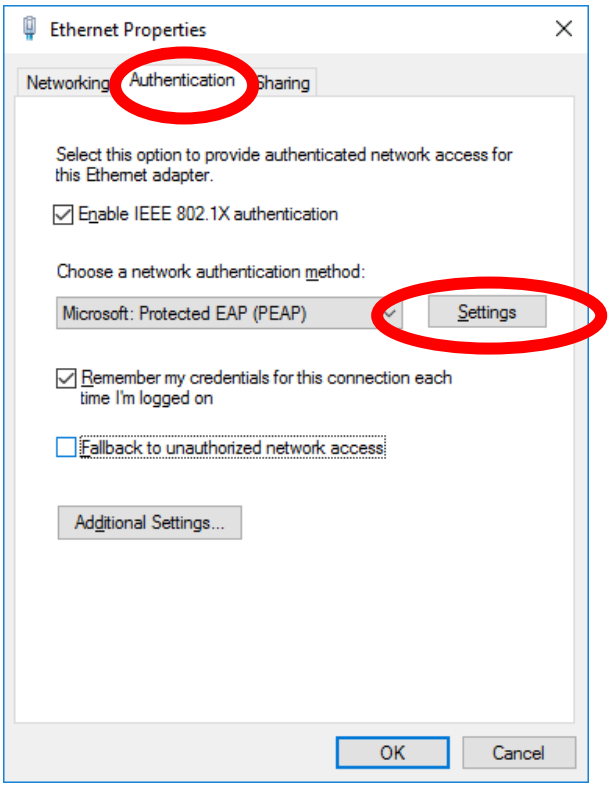
2) Next step is

a. Left click on network connection icon or a choose Network & Sharing Center

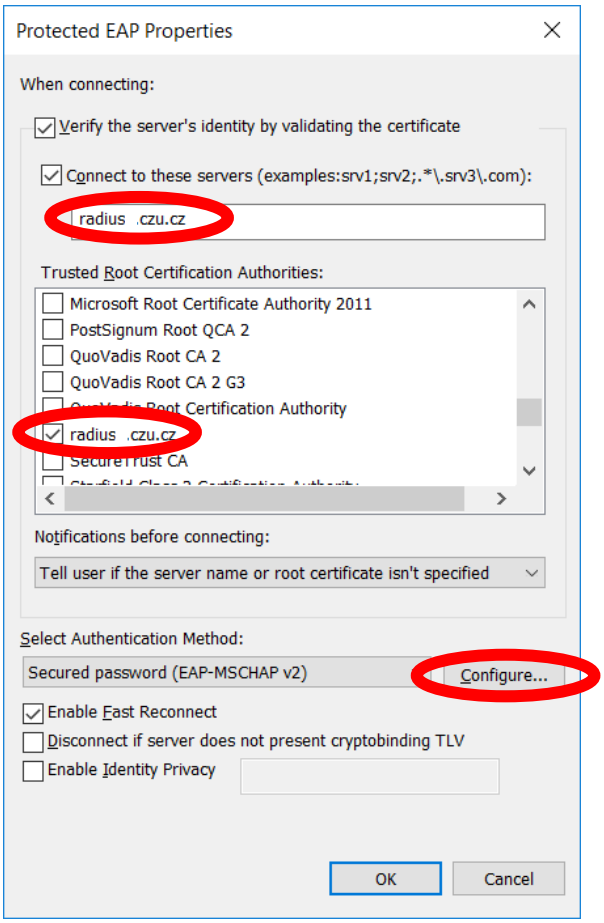


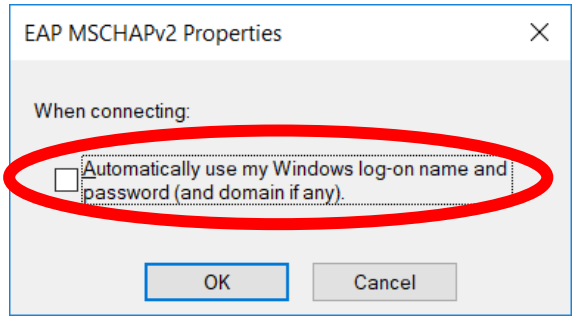



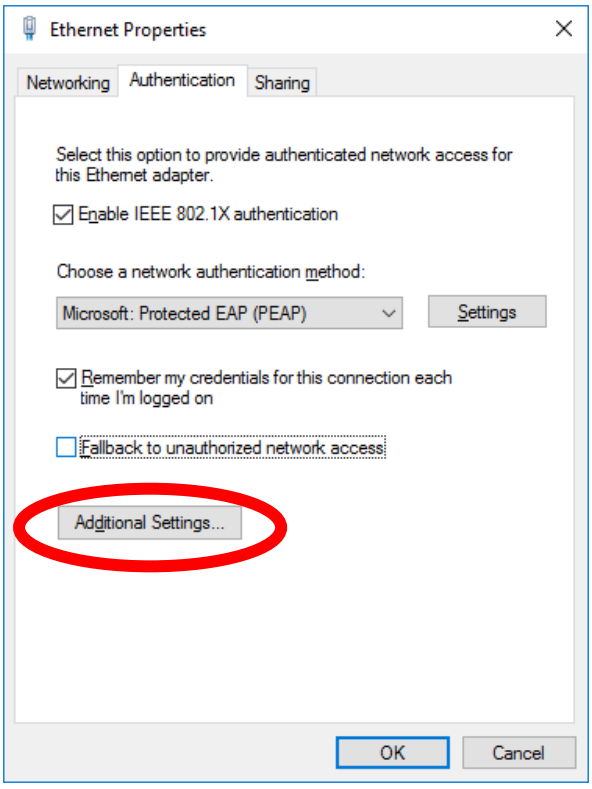


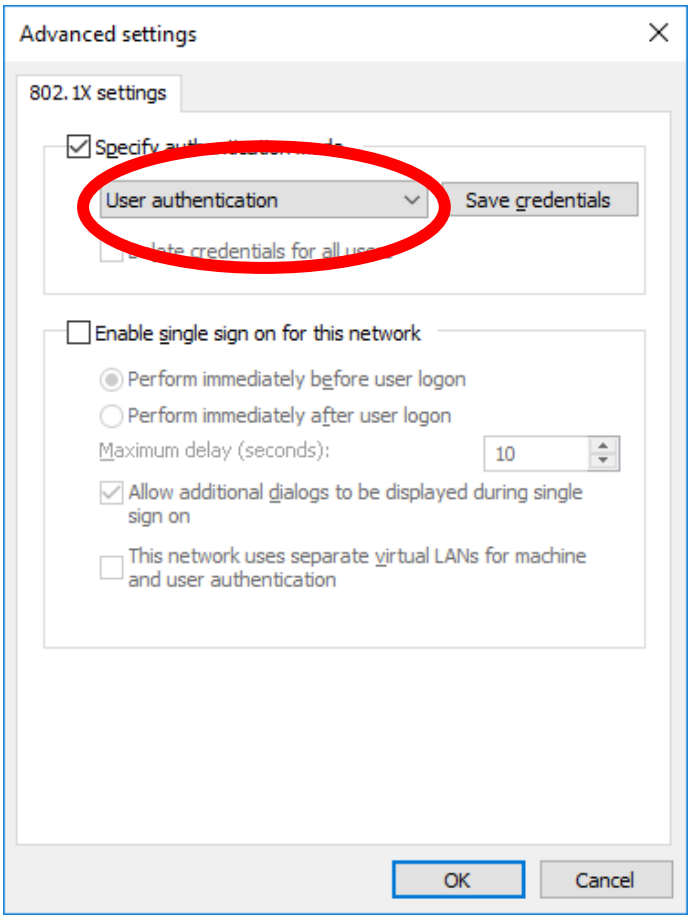



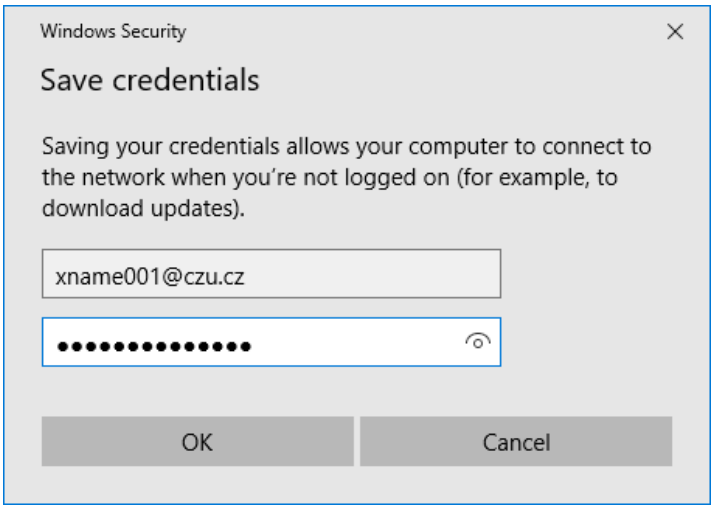

If you don’t see Authentication tab, you must start system service dot3svc. See last page of this document for more information.


Protected EAP Properties
When connecting:
Verify the server's identity by validating the certificate
Connect to these servers (examples:srv1;srv2;.*\.srv3\.com):
radius .czu.cz
Trusted Root Certification Authorities:
Microsoft Root Certificate Authority 2011
PostSignum Root QCA 2
QuoVadis Root CA 2
QuoVadis Root CA 2 G3
radius .czu.cz
SecureTrust CA
Notifications before connecting:
Tell user if the server name or root certificate isn't specified
Select Authentication Method:
Secured password (EAP-MSCHAP v2)
Configure...
Enable Fast Reconnect
Disconnect if server does not present cryptobinding TLV
Enable Identity Privacy
OK
Cancel


EAP MSCHAPv2 Properties
When connecting:
Automatically use my Windows log-on name and password (and domain if any).
OK
Cancel


Ethernet Properties
Networking
Authentication
Sharing
Select this option to provide authenticated network access for this Ethernet adapter.
Enable IEEE 802.1X authentication
Choose a network authentication method:
Microsoft: Protected EAP (PEAP)
Settings
Remember my credentials for this connection each time I'm logged on
Fallback to unauthorized network access
Additional Settings...
OK
Cancel

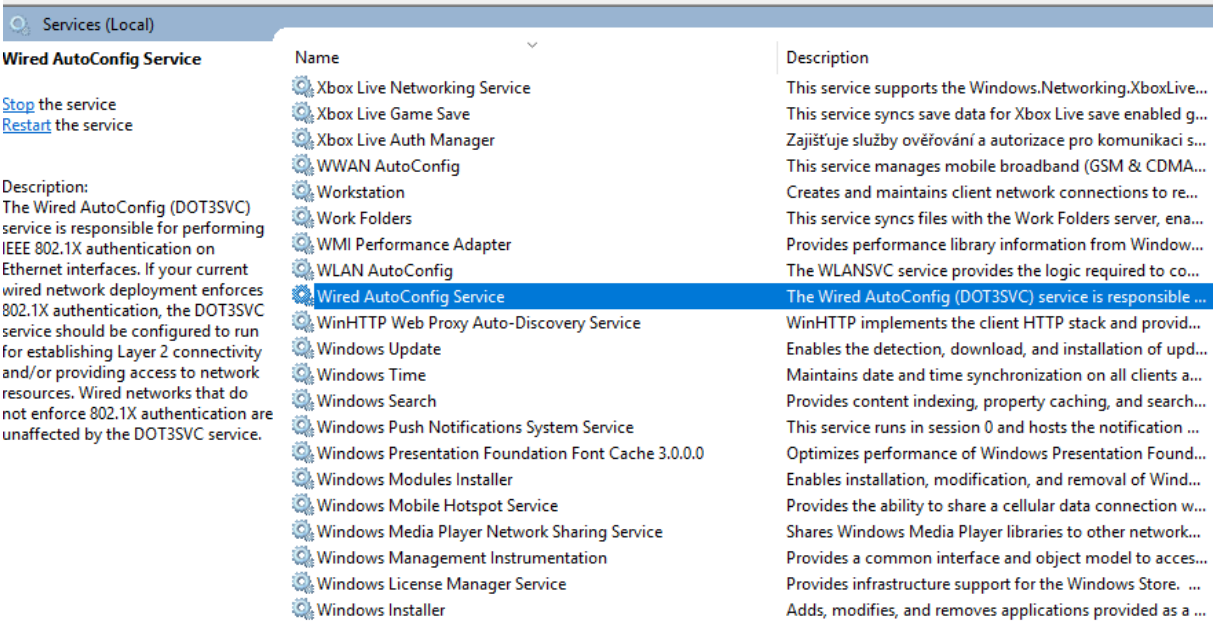
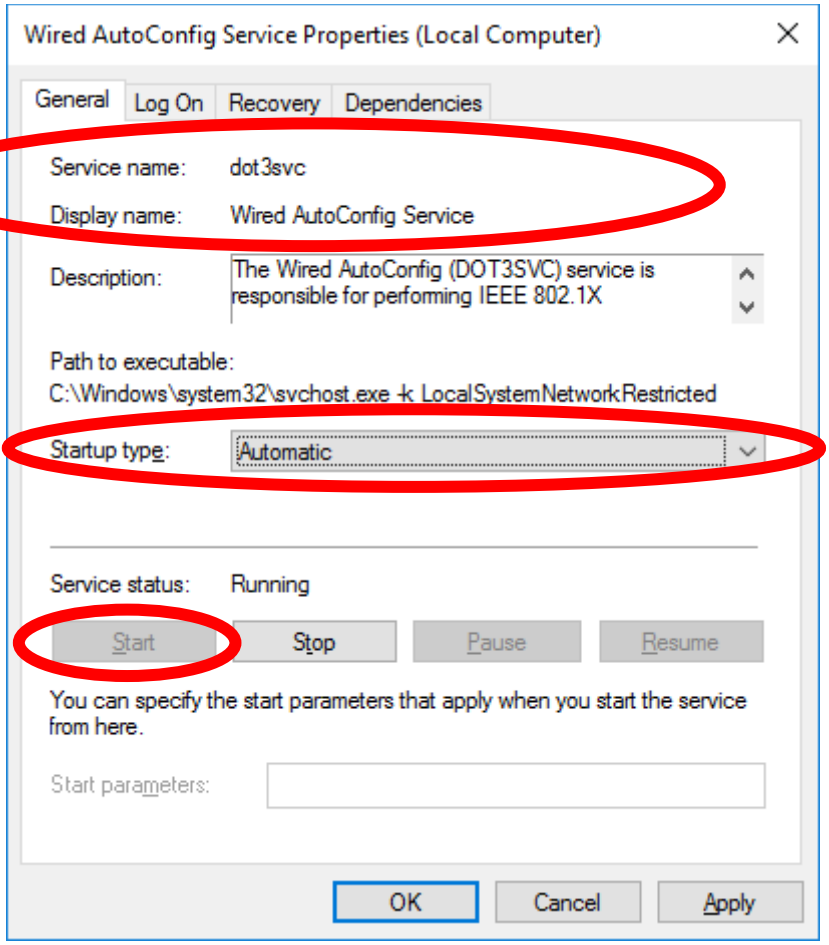



After complete. Close all windows by click on OK button. Now your computer are ready to connect to network with wire.

There is a possibility, that popup “Windows security” window shows up (this window may be hidden behind any window in front, so to be sure minimalize all other windows). Fill in your credentials, which are the same as for wi-fi eduroam (with @czu.cz in your username). There is a possibility this window shows up 2 more times with the same request.

# The possibility of problems

If you can’t see authentication tab in properties of ethernet interface.

In lookup window tip in **services.msc** and find out service Wired AutoConfig Service and set it up like on pictures below.