# 802.1x Windows 7

If this is the first time that the computer is connected via 802.1x authentication must enable the service.

Enabling the service

- click the **Start** button in the Search box, type **services.msc** and then press ENTER,
- on the *Services* tab that opens, look for the service named **Wired AutoConfig** right-click and select **Properties**,
- change the item **Startup type** from *Manual* to **Automatic**,
- if the service status is *Stopped*, click on the **Start** button.
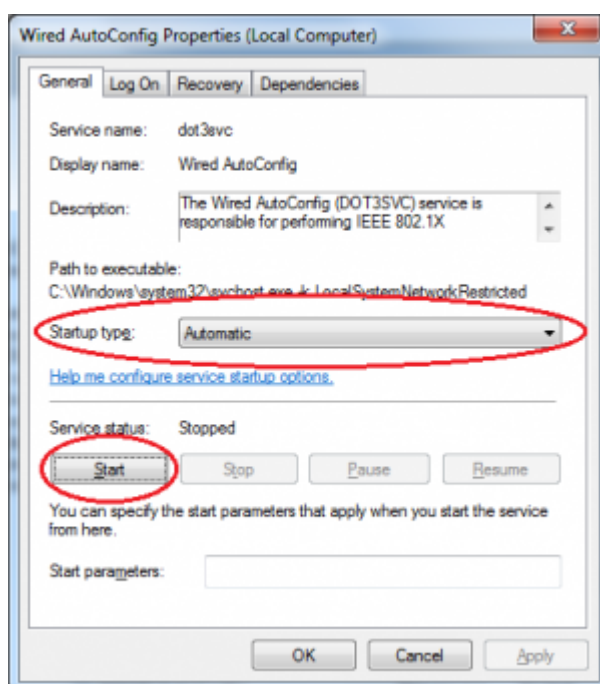
Settings Supplicant 802.1x

- Open the settings for the network adapter: DX-click on the icon of the LAN connection (lower right) then select *Open Network and Sharing Center*, click on *Change adapter setting*,
- DX-click on the connection for which you want to enable 802.1x authentication then select **Properties**,
- click on tab **Authentication** and then select the check boxes:
  - *Enable IEEE 802.1X authentication*,
  - *Remember my credentials...*,
 - *Fallback to unauthorized....*
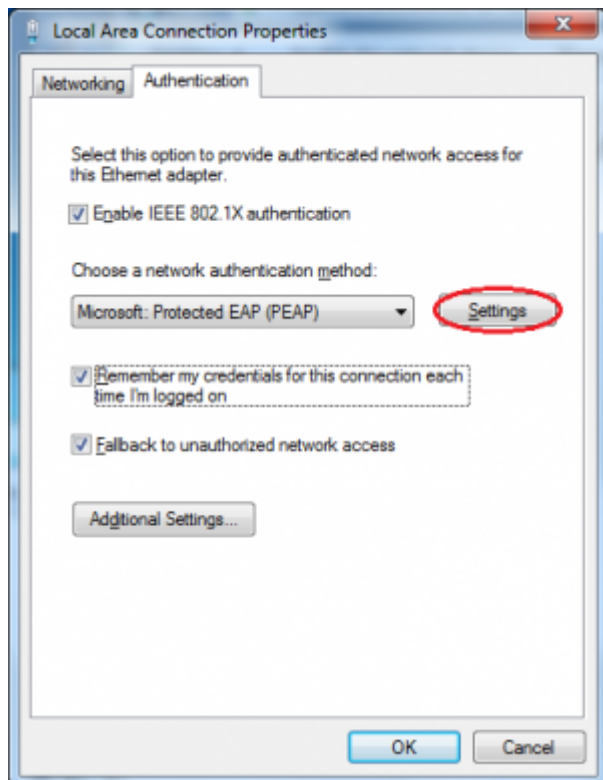
- Click on the button **Settings** and on the Protected EAP Properties window that appears check that:
    - is checked *Validate server certificate* choosing from the *Trusted Root Certification Authorities* the voice *AddTrust External CA Root*,
    - is checked *Connect to these servers* stating the following (separated by ;) *nps1.unitn.it;nps2.unitn.it;nps3.unitn.it*,
    - the authentication method selected is *Secured password (EAP-MSCHAP v2)*.
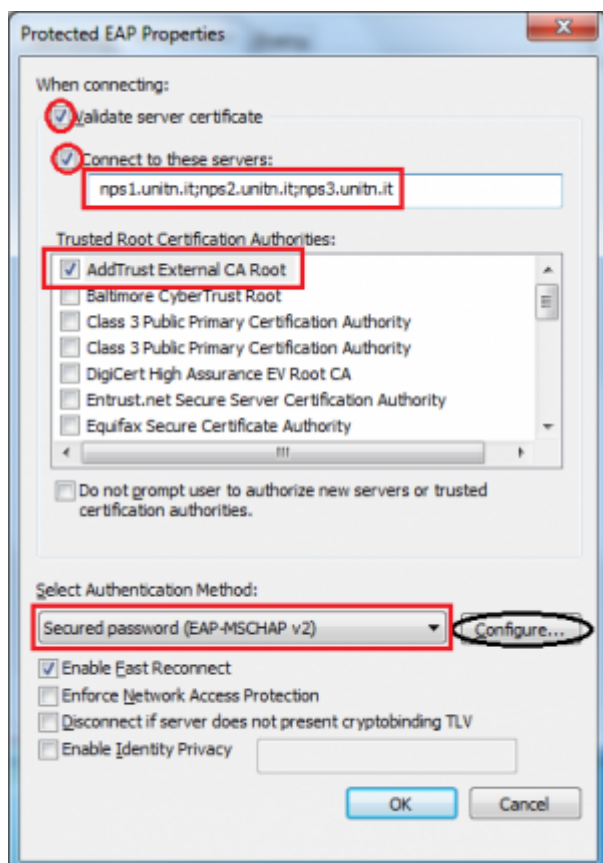
The following configuration is required only for PC **NOT** in the UNITN domain (for PC in the UNITN domain skip this step)

- Click the **Configure** button, then from the Properties window that appears EAP MASCHAPv2 **de**select the item *Automatically use....* as shown below:
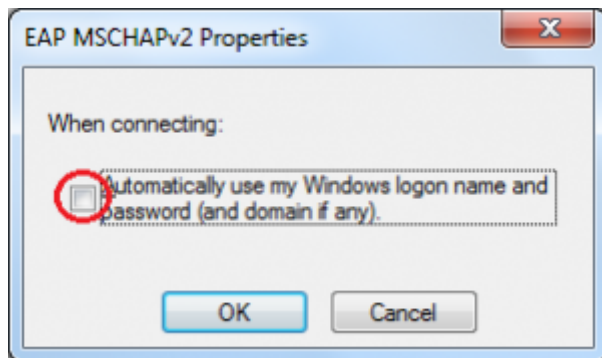
- Click the button **Additional Settings...** for the tab *Properties - Local Area Connection (LAN)* and on the tab *Advanced setting* that will appear check:
    - that the item *Specify authentication mode* is checked, choosing among:
        - *User authentication* (For computer **NOT** in UNITN domain),
        - *User or computer authentication* (For computer in UNITN domain),
    - click on the button **Save Credetials**.
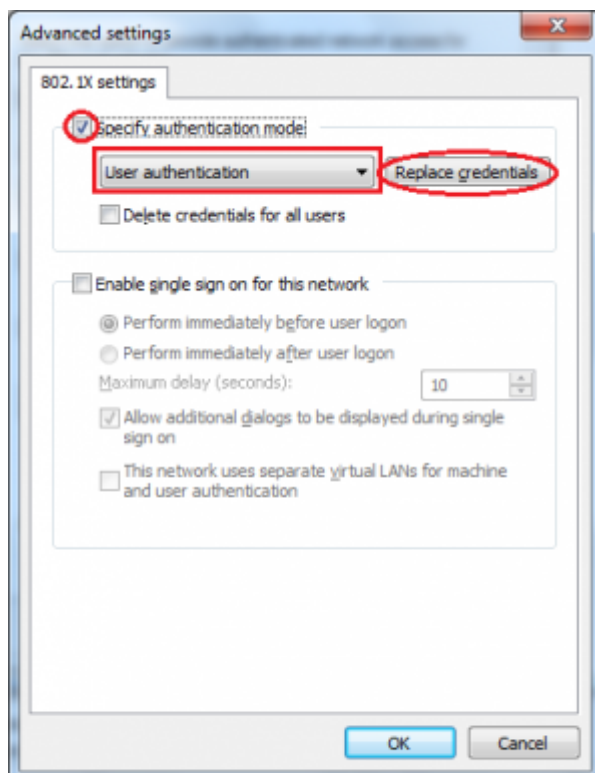
- After connecting the network cable when prompted, enter your unitn credentials
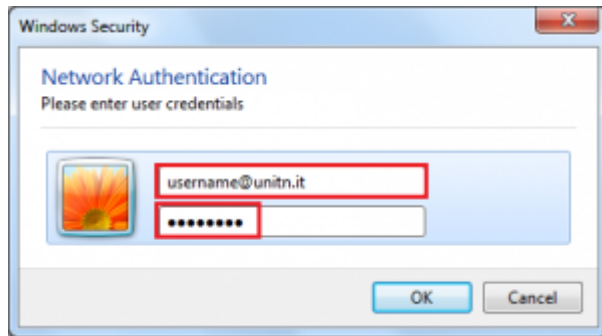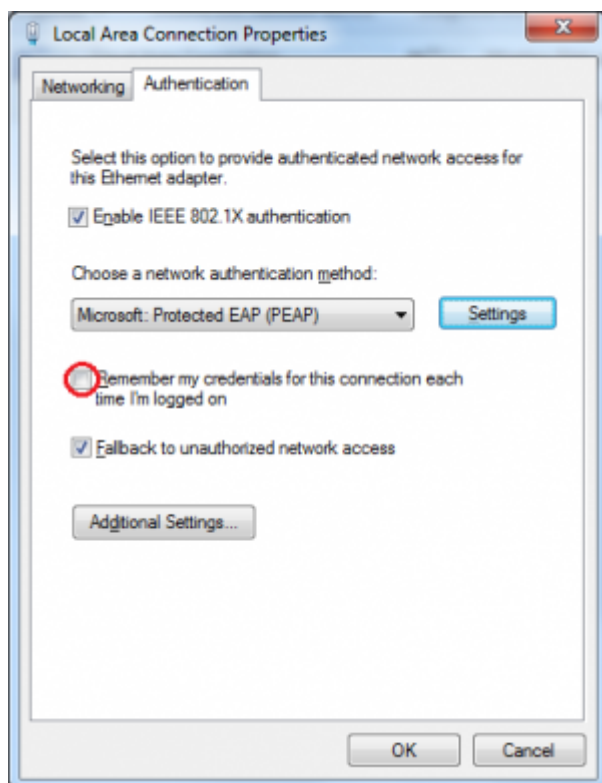
In the event that the credentials are not recognized you will be automatically redirected to a Captive Portal authentication.

Problems

Force the reauthentication:

- Unselect *Remember my credentials...* then deactivate/activate the network card:

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