# 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.
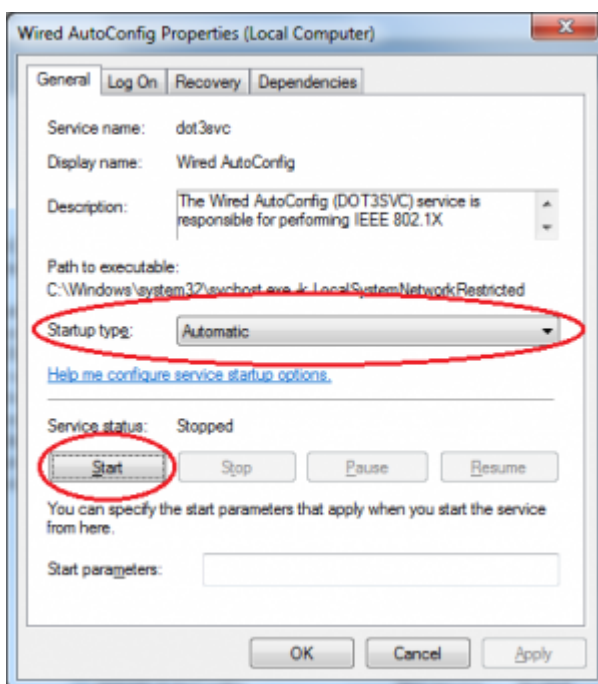
Settings Supplicant 802.1x

- 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…_.
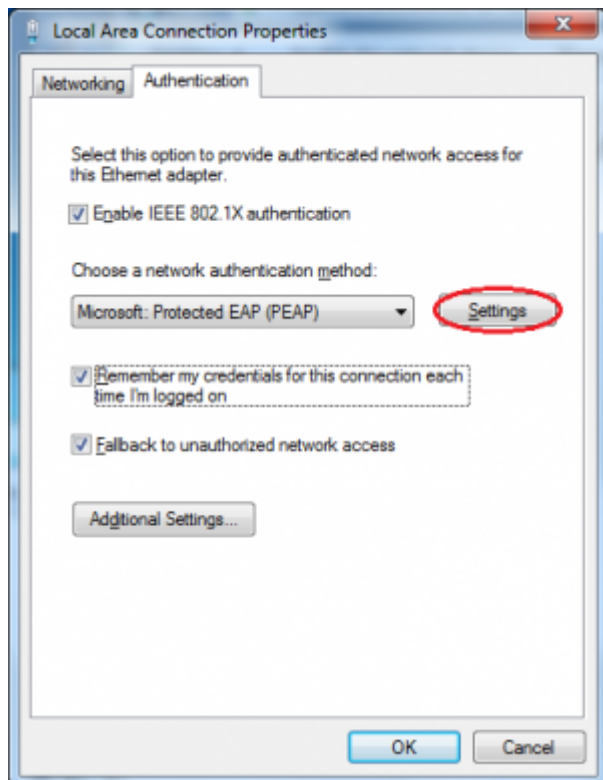
- Click on the button **Settings** and on the Protected EAP Properties window that appears check that:
    - is checked *Validate server certificate* choosing from the *Trusted Root Certification Authorities* the voice *AddTrust External CA Root*,
    - is checked *Connect to these servers* stating the following (separated by ;) *nps1.unitn.it;nps2.unitn.it;nps3.unitn.it*,
   - the authentication method selected is *Secured password (EAP-MSCHAP v2)*.
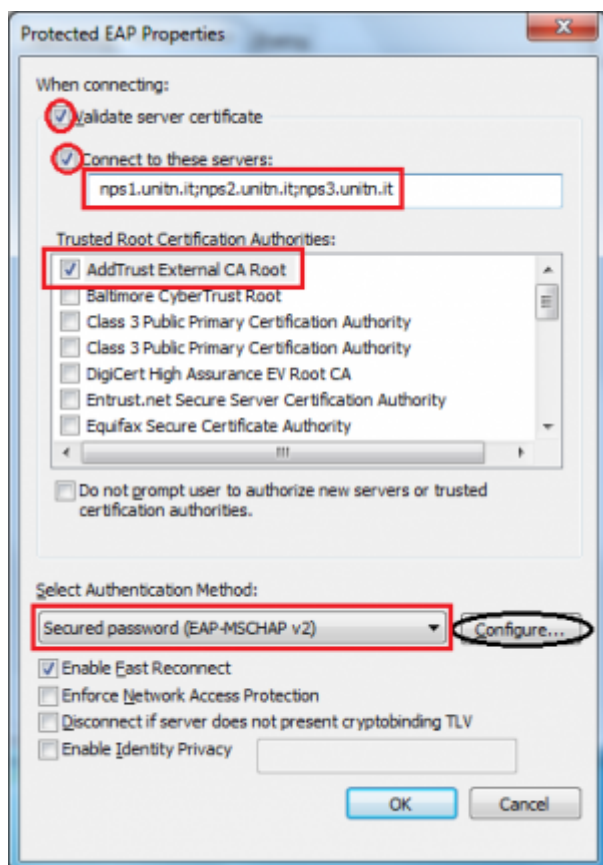
The following configuration is required only for PC **NOT in the unitn domain** (for PC in the unitn domain skip this step)

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* Click the Configure button, then from the Properties window that appears
EAP MASCHAPv2  **de**select the item //Automatically use....// as shown
below:
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- 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**
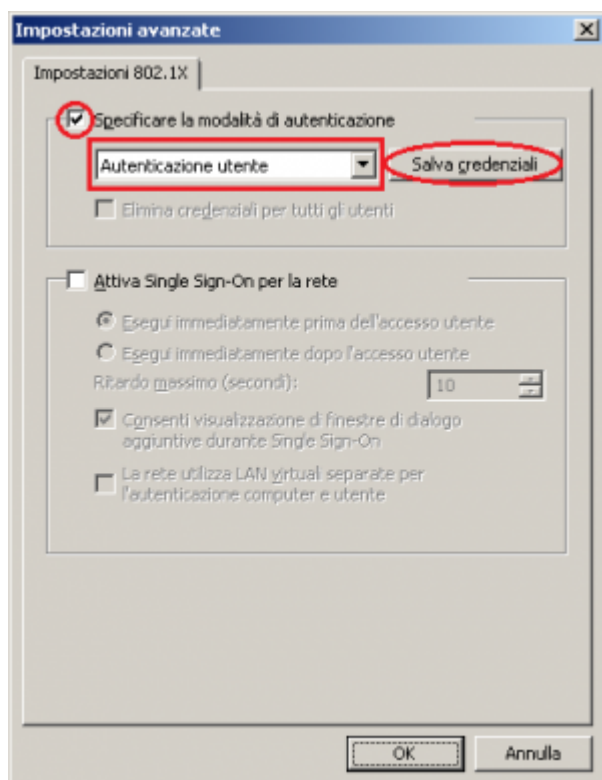
- After connecting the network cable when prompted, enter your unitn credentials
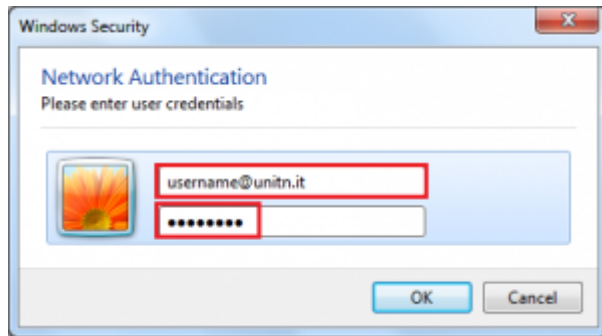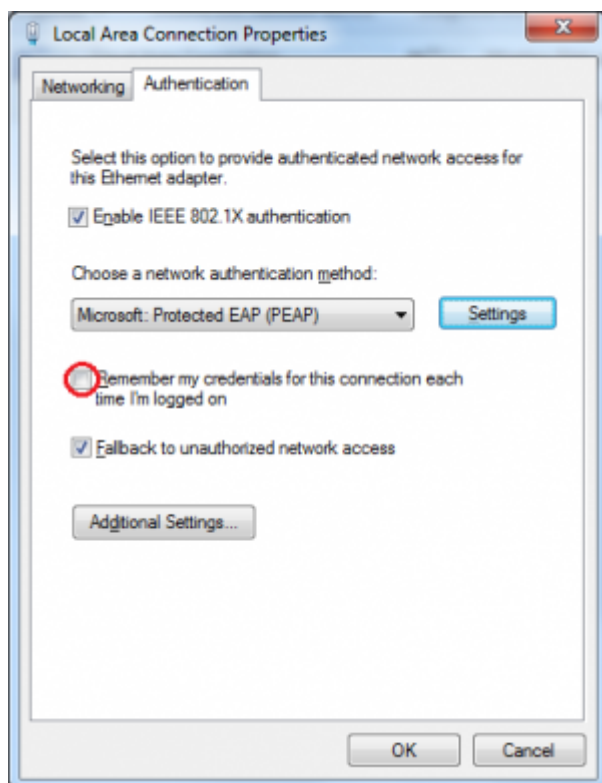
In the event that the credentials are not recognized you will be automatically redirected to a Captive Portal authentication.

Problems

Force the reauthentication:

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

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