



AREA SISTEMI E SERVIZI INFORMATICI

Internet access system through the Wireless Network of the University of Bologna

(last update 8/3/2017)

Printable service summary document: the updated version is available online at the address <http://www.unibo.it/almawifi>

A WPA2-Enterprise security access system has been implemented on every access point according to the requirements of WI-FI Alliance, which guarantees complete encryption of all the traffic flows. In more detail, the WPA2-Enterprise system has been configured with AES standard (Advanced Encryption Standard), where active directory users of the University DSA are validated by a centralized Radius Server.


We remind you that user credentials should be activated by setting a personal password via the following website: <https://www.dsa.unibo.it>.

You can connect to the Wireless Network AlmaWiFi from Windows 10.x systems in two ways:


- **automatic connection:** it requires only the authentication provided by @unibo.it or @studio.unibo.it active credentials
- **manual connection:** useful on Windows 10.x home or RT systems that have trouble connecting to 802.1x networks and in which automatic connection doesn't work

Previous profile removal

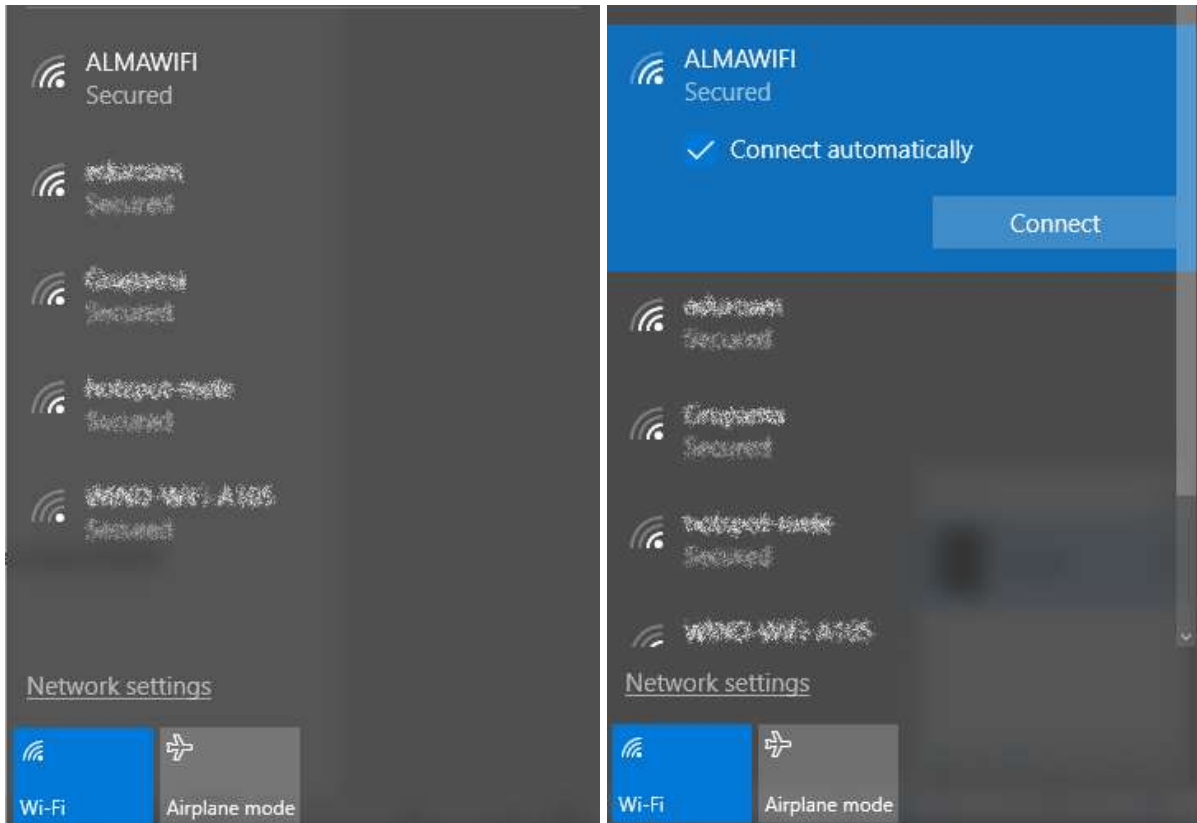
If you experience some problems due to a pre-existent connection or if you want to edit it, we suggest you to delete it before proceeding:

- run the command prompt window as Administrator (press key Windows  +X or right click on "Start")
- write the command line: `netsh wlan show profiles` - write the command line:
(where "PROFILETODELETE" ***netsh wlan delete profile name="PROFILETODELETE"*** is the current AlmaWiFi profile you must delete)
- close the command prompt and start the manual connection (see below)

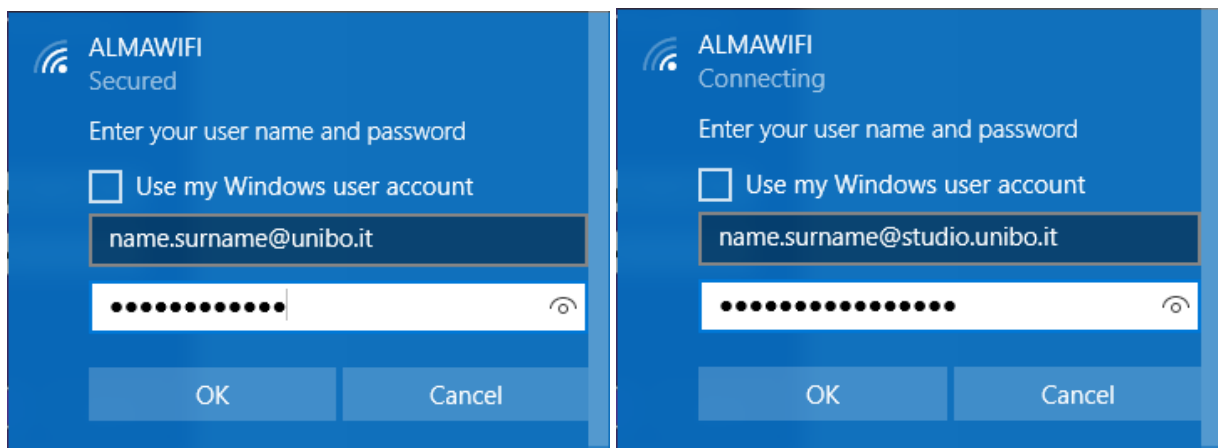
Automatic connection Windows 10

Select the Network icon () and verify the presence of the **ALMAWIFI** network.

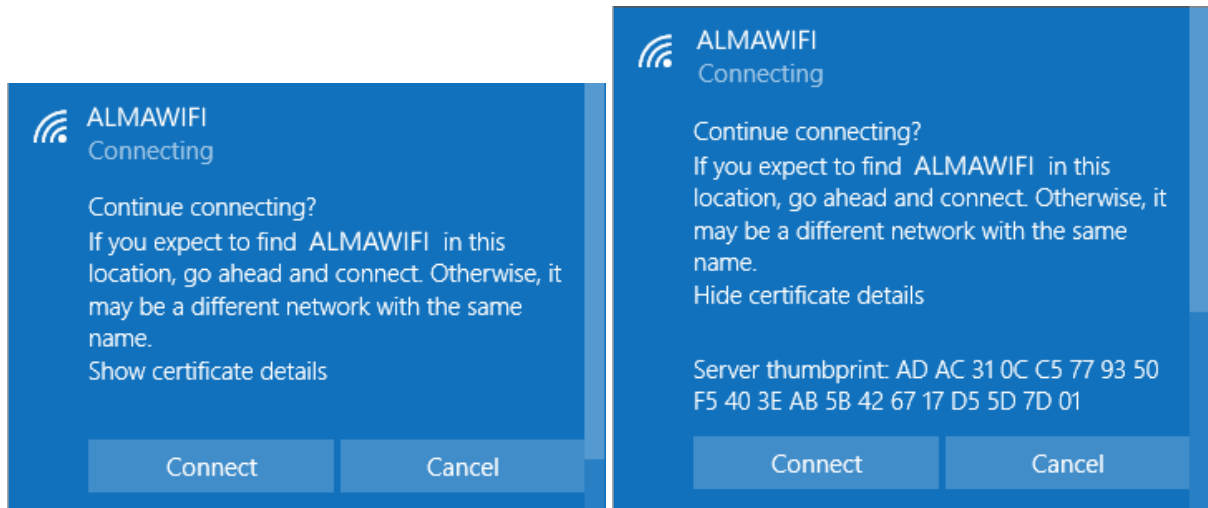
For ALMAWIFI check **Connect automatically** and select **Connect**.



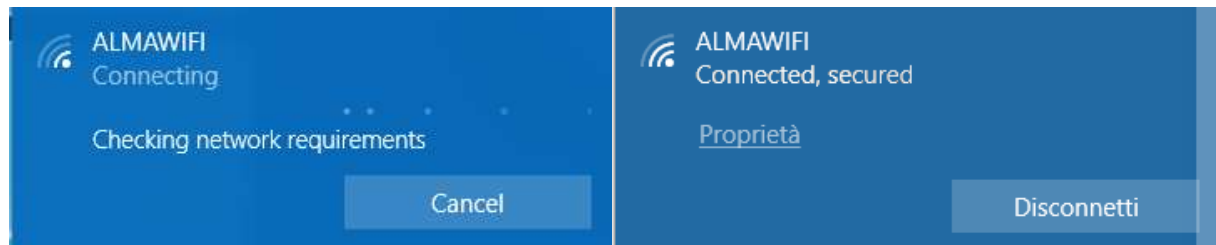
Enter your ALMAWIFI / @studio.unibo.it or @unibo.it username and password in the required fields:




On the right, you'll see an alert. By clicking on "Show certificate details" you can check the Server thumbprint. Click on "Continue".

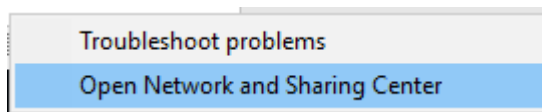


Wait for the connection to be established:

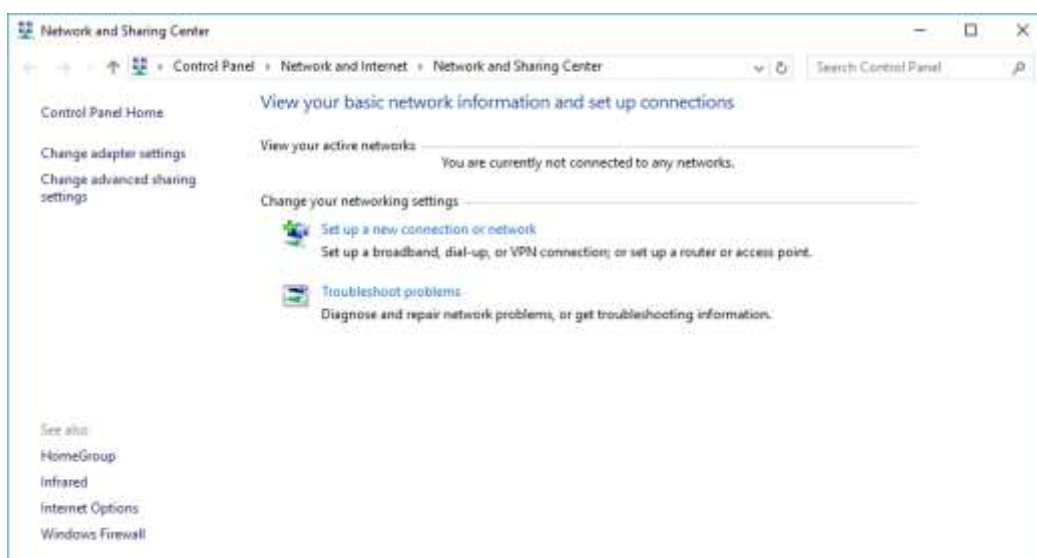


MANUAL CONFIGURATION

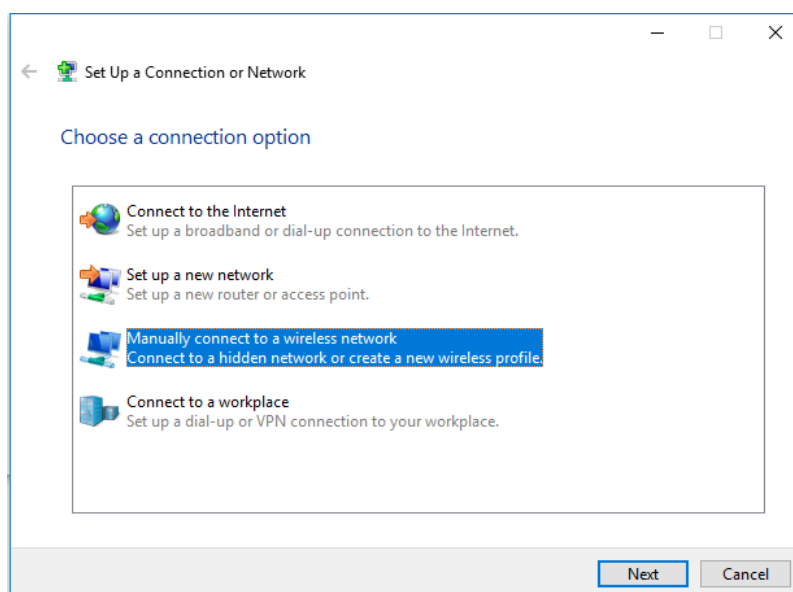
On the right side of your Windows taskbar, right click on the Network icon,  and select **Open Network and Sharing Center**.



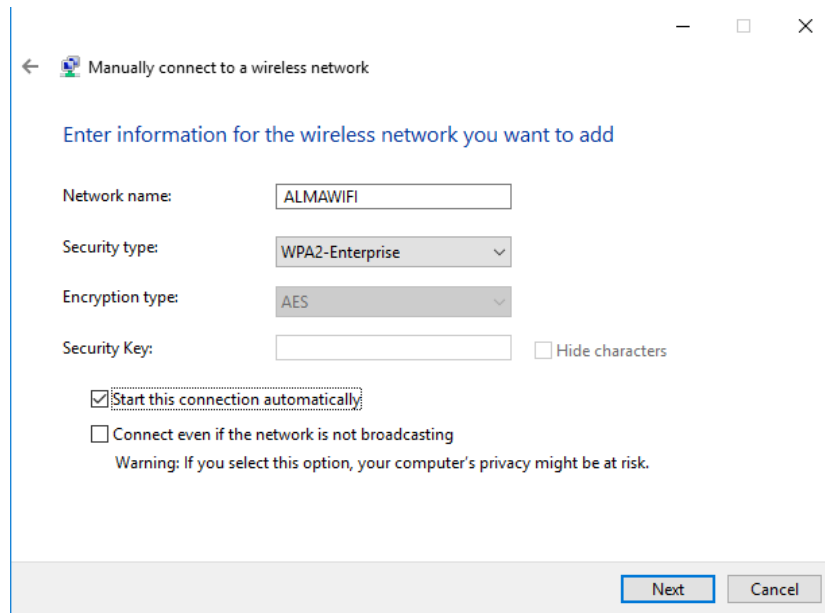
Select **Setup a new connection or network**.



Select **Manually connect to a wireless network** and then select **Next** button.



Click “ **Next** ” and enter the values shown in the following picture:



Manually connect to a wireless network

Enter information for the wireless network you want to add

Network name: ALMAWIFI

Security type: WPA2-Enterprise

Encryption type: AES

Security Key: Hide characters

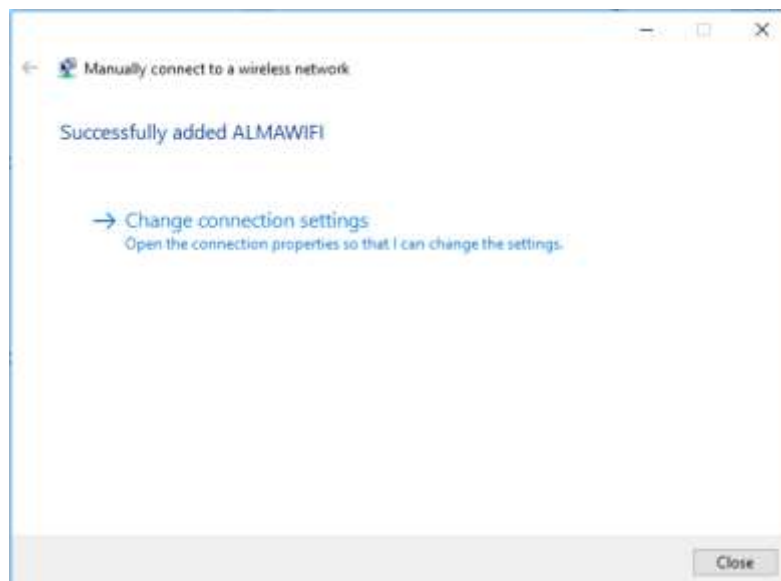
Start this connection automatically

Connect even if the network is not broadcasting

Warning: If you select this option, your computer's privacy might be at risk.

Next Cancel

Click “ **Next** ” and select “ **Change connection settings** ”



Manually connect to a wireless network

Successfully added ALMAWIFI

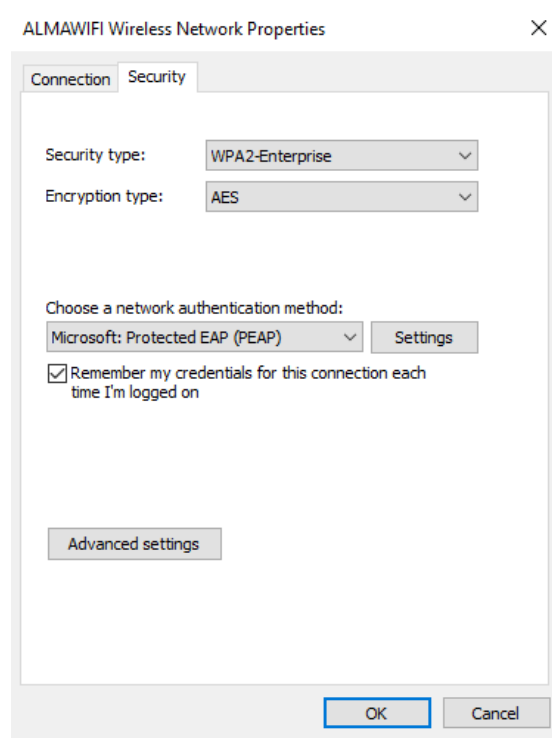
→ Change connection settings
Open the connection properties so that I can change the settings.

Close

Select the **Security** tab.

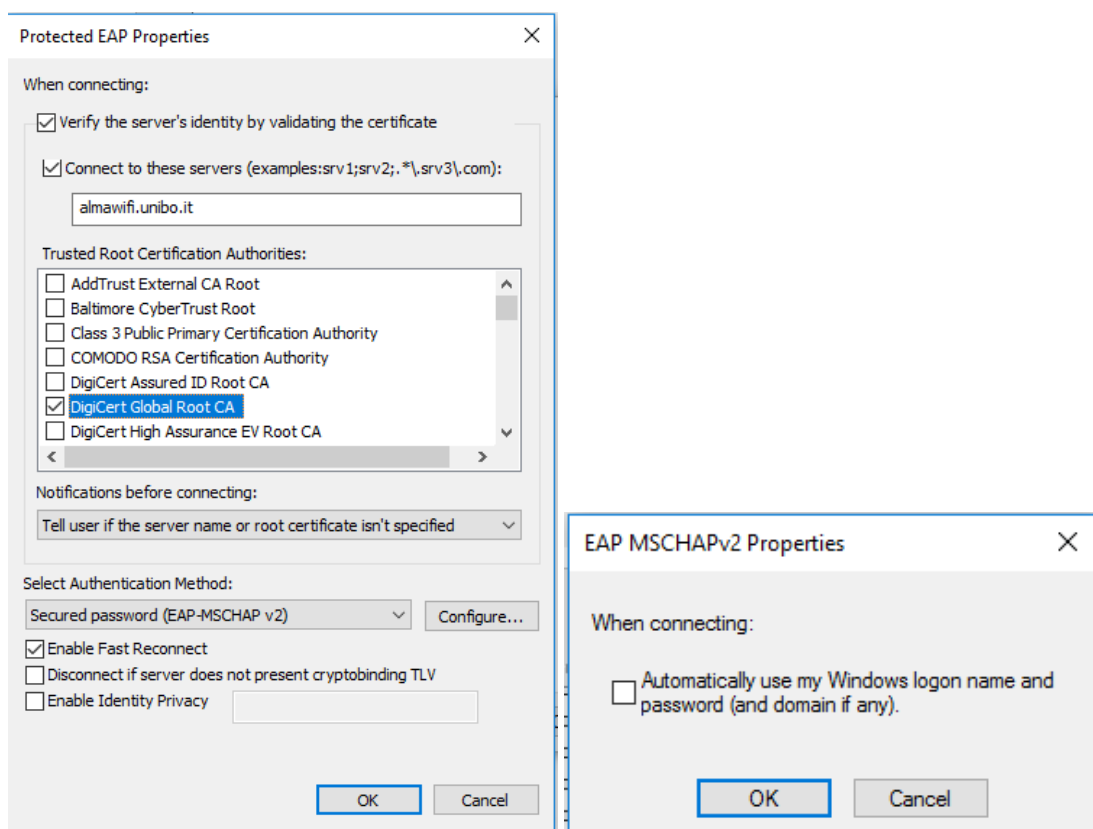
Check **Remember my credentials for this connection each time I'm logged on.**

Select the **Settings** button.



Uncheck **Verifying the server's identity by validating the certificate**. Uncheck **Enable Fast Reconnect**.

Select the **Configure** button. Uncheck **Automatically use my Windows logon name and password**.



Select the **OK** button twice to return to the “ALMAWIFI Wireless Network Properties” window.

Select **Advanced settings**.

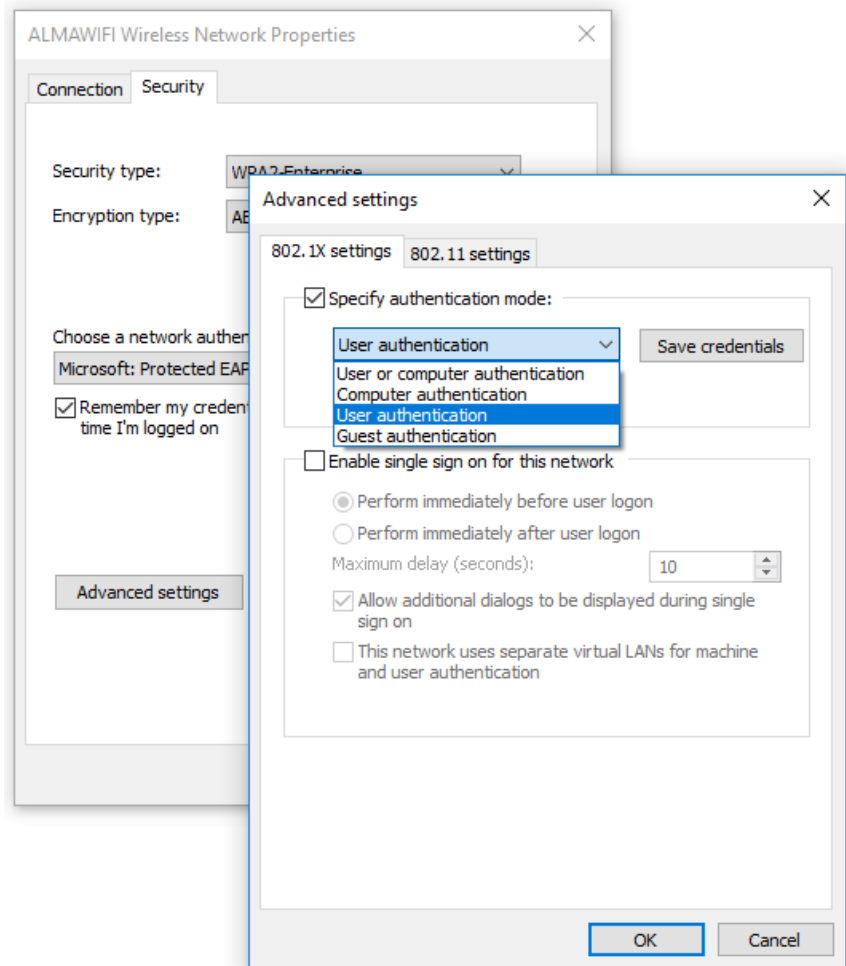
Select the **802.1x settings** tab.

Check **Specify authentication mode**.

Select **User authentication** from the drop down menu.

Select **OK** for the remaining panels.

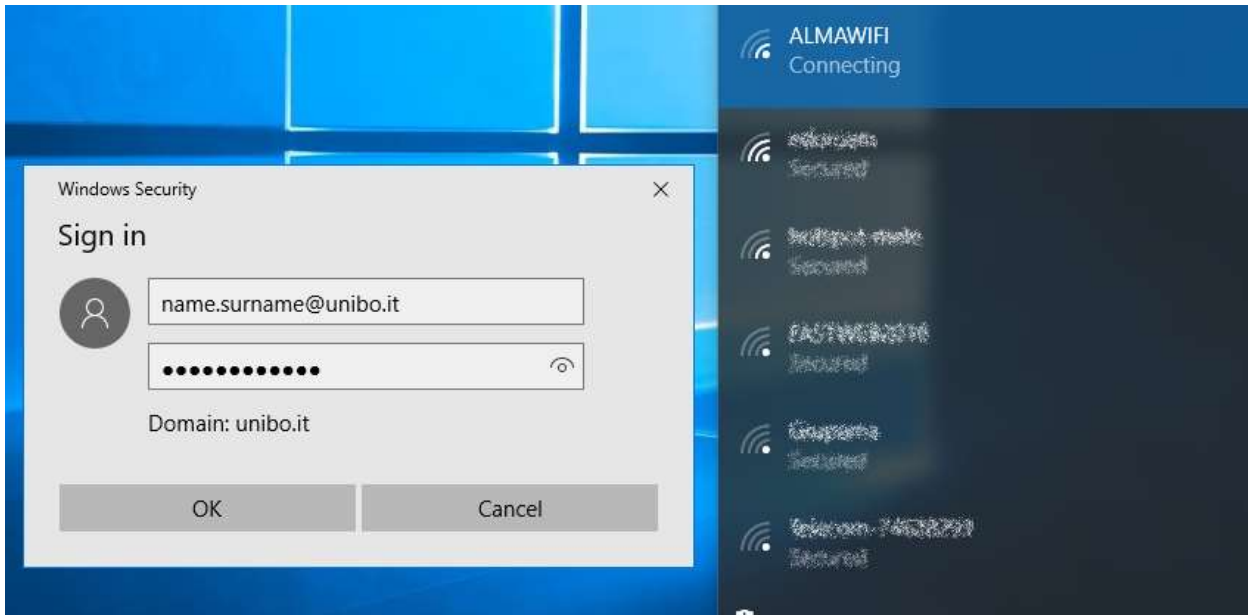
Select the **Close** button for the manual wireless network windows.



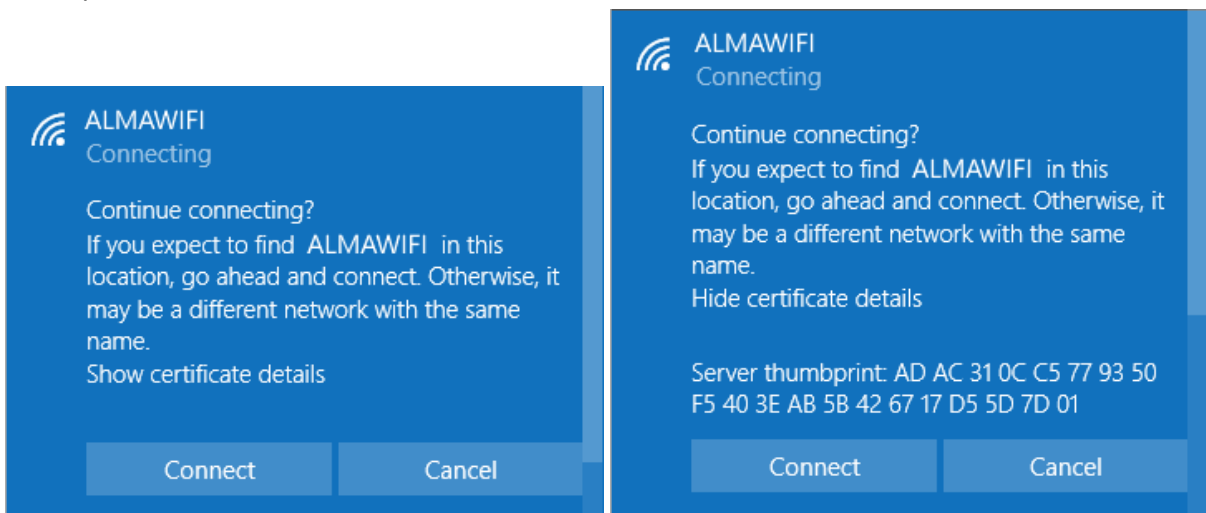
Select the Network icon .



Enter your ALMAWIFI / studio.unibo.it or unibo.it username and password in the required fields. Press OK.



On the right, you'll see an alert. By clicking on "Show certificate details" you can check the Server thumbprint. Click on "Continue".



Wait for the connection to be established:

