



Internet access system through the Wireless Network ALMAWIFI MS-Windows 10-11 (last update al 19/03/2025)

The updated version of the document is always the one published online at
<http://www.unibo.it/almawifi>

This document shows how to securely connect your Windows 10-11 device to the ALMAWIFI network of the University of Bologna.

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.

During this process, you will be asked for your DSA (University Directory Service) institutional credentials, which will be checked by a centralized server (Radius Server); only after passing the checks, your computer will be automatically connected to the Internet.

This process must be done only the first time because subsequently your operating system will automatically pass both the configuration and the credentials.

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

For further information about connection problems please consult FAQ ALMAWIFI at <http://www.unibo.it/almawifi>

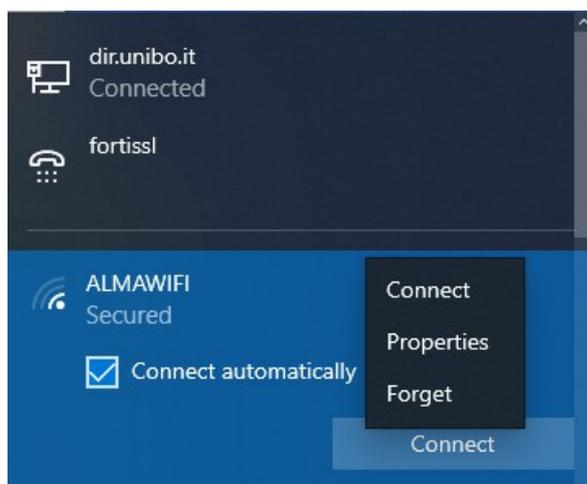
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Previous profile removal

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:

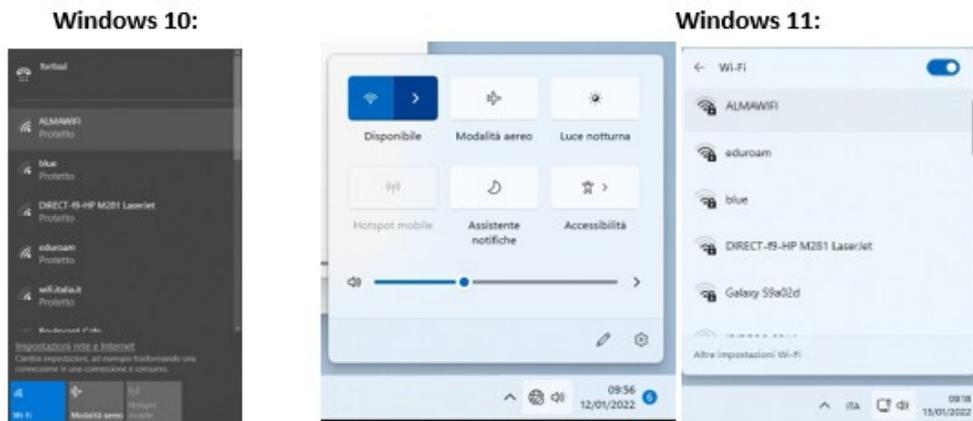
- select the icon  on the application bar
- right click on **ALMAWIFI**
- select **Forget**



- create a new connection (see below).

Automatic connection configuration

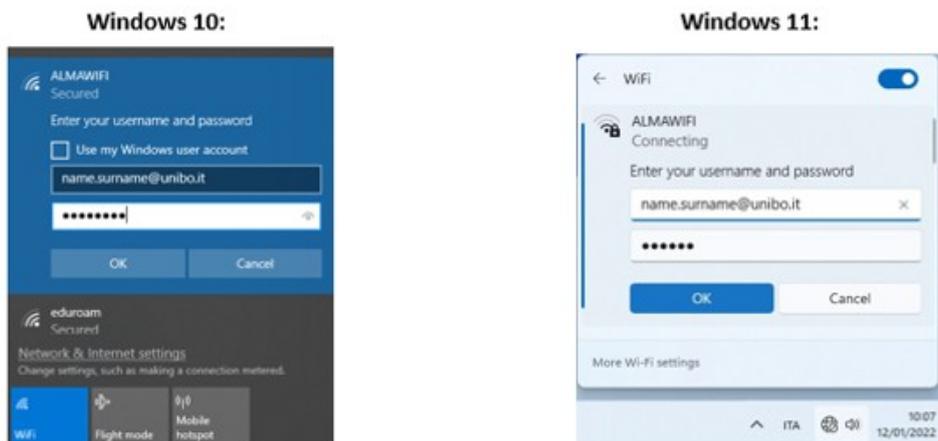
Click on the network management icon ( or  or ) on the bottom right to open the available wifi networks (on Windows 11 you first have to click on the icon above **Connecting**) then select **ALMAWIFI**:



Click on **Connect**:



Insert your credentials (@unibo.it or @studio.unibo.it) then click **OK**:



Now you have to check the certificate details to make sure that you're connecting to the right network and not to another wifi network with the same name. Click on **Show certificate details** and confront the **Server** Internet access system through the Wireless Network ALMAWIFI – Windows 10/11

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thumbprint with the one below; Windows 11 also shows the information about the “Issued by” (must be **GEANT OV RSA CA4**) and “Issued to” (must be **wifi.unibo.it**); in both cases, the correct “Server Thumbprint” is:

A5 58 53 7E B8 80 50 B7 24 31 58 69 91 60 7C 61 D2 57 0E B5

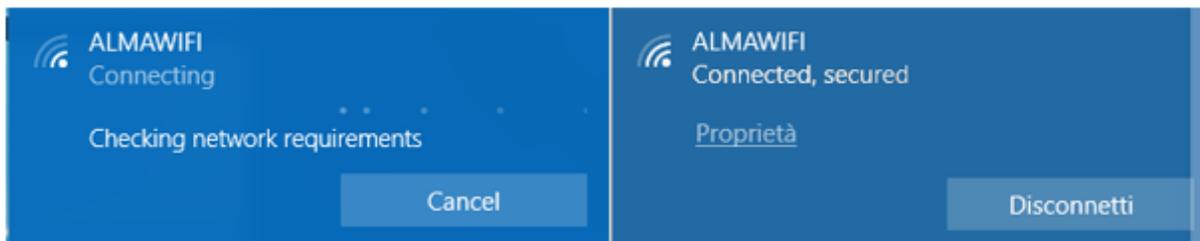
Windows 10:



Windows 11:



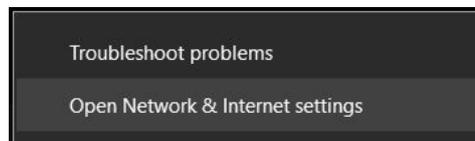
Wait for the connection to be established:



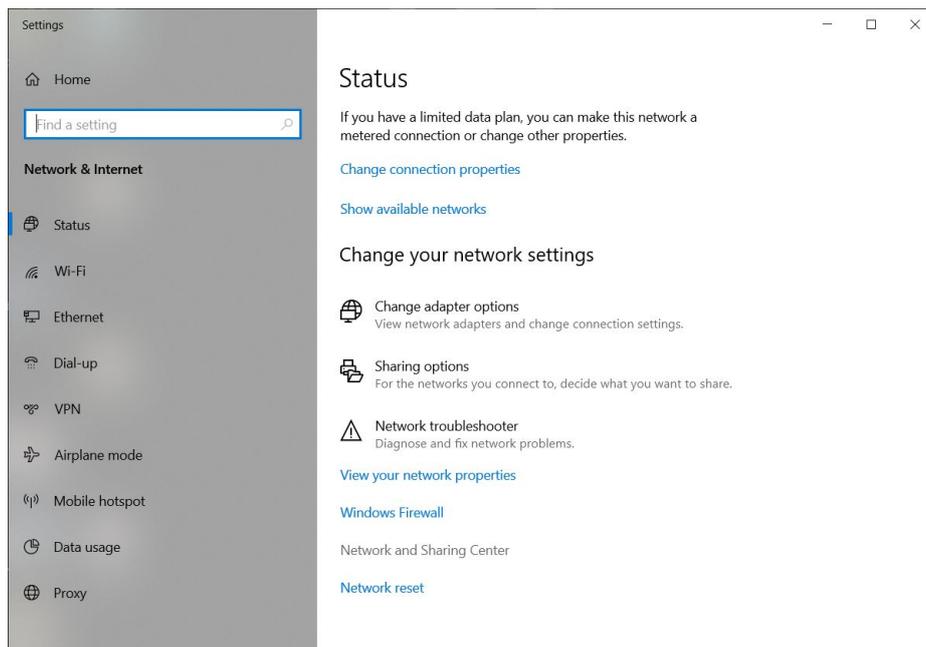
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Manual connection (for WINDOWS 10 only)

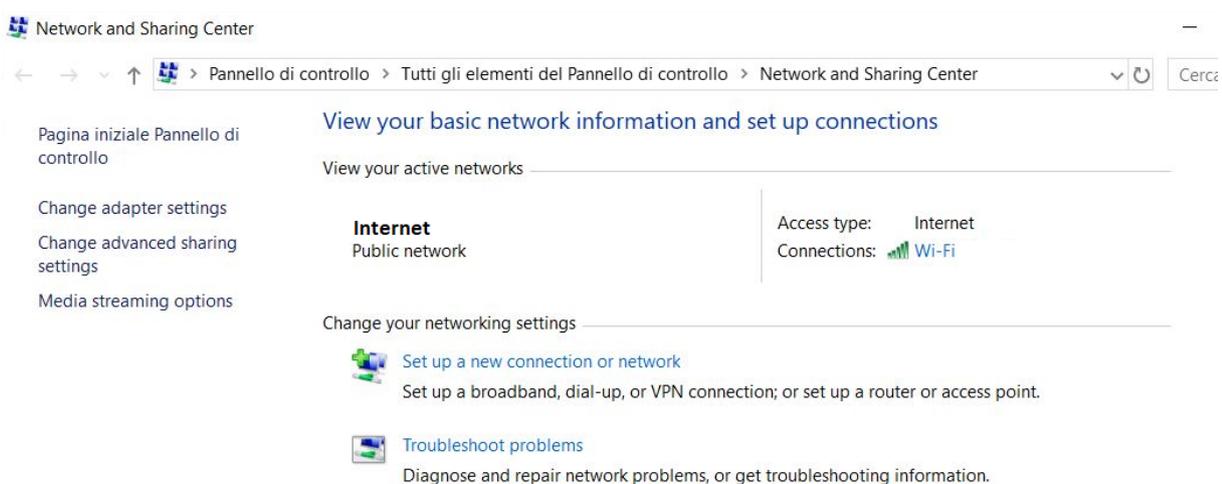
On the right side of your Windows taskbar, right click on the Network icon,  and select **Open Network & Internet settings**:



Scroll down and select **Network and Sharing Center**:



Select **Set up a new connection or network**:

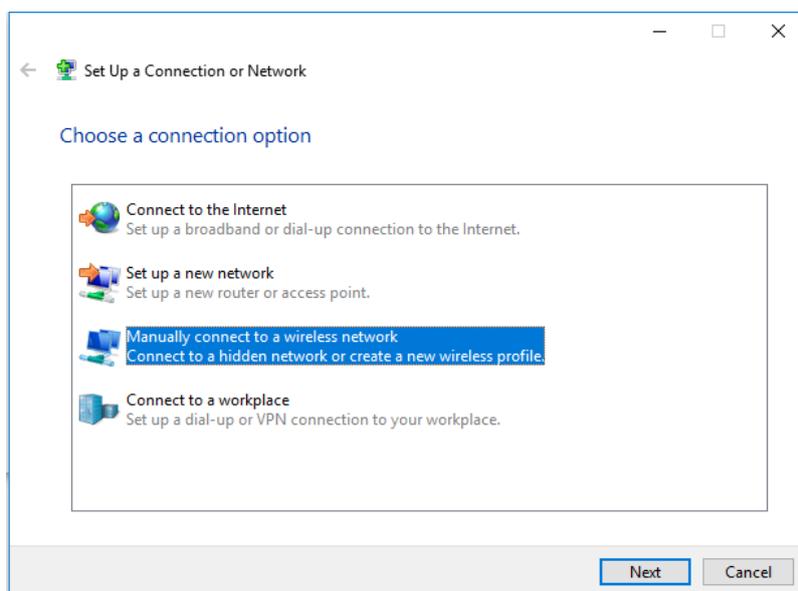


Select **Manually connect to a wireless network**, then click Next:

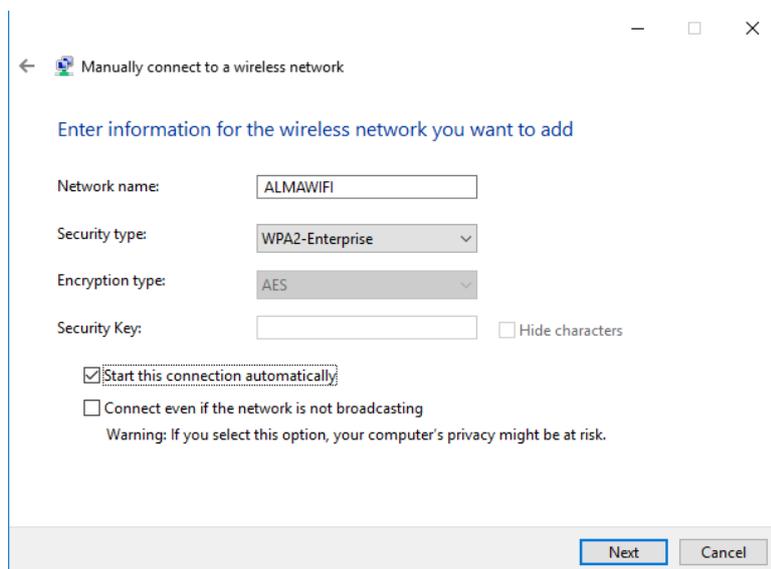
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Enter the values shown in the following picture, then click **Next**:

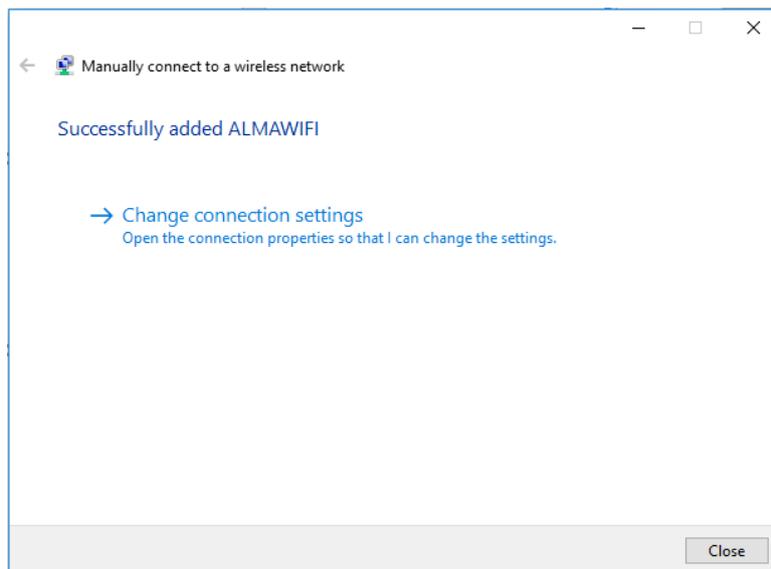


Select **Change connection settings**:

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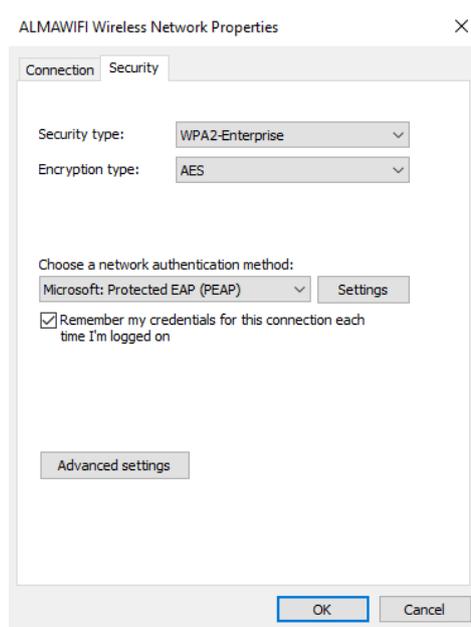
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Select the **Security** tab.

Verify the settings as shown in the image below:



Select the **Settings** button.

In the **Protected EAP Properties** check the options as in the image below.

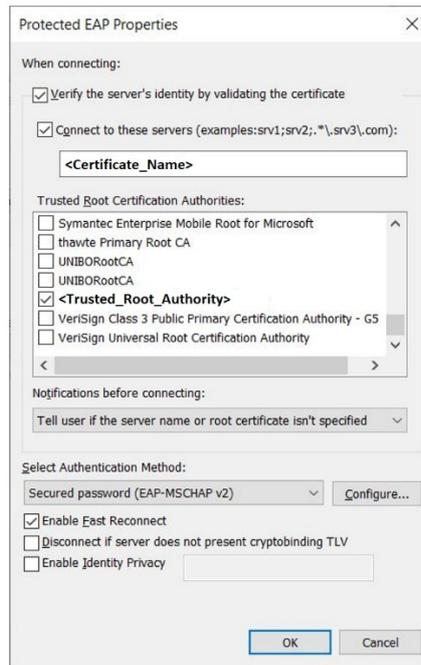
In the "Connect to these servers" setting insert: **wifi.unibo.it**

As "Trusted Root Certification Authorities" select: **USERTrust RSA Certification Authority**

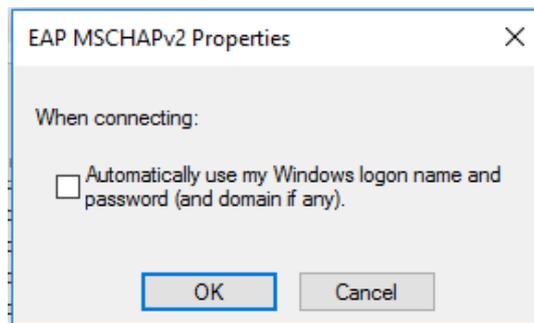
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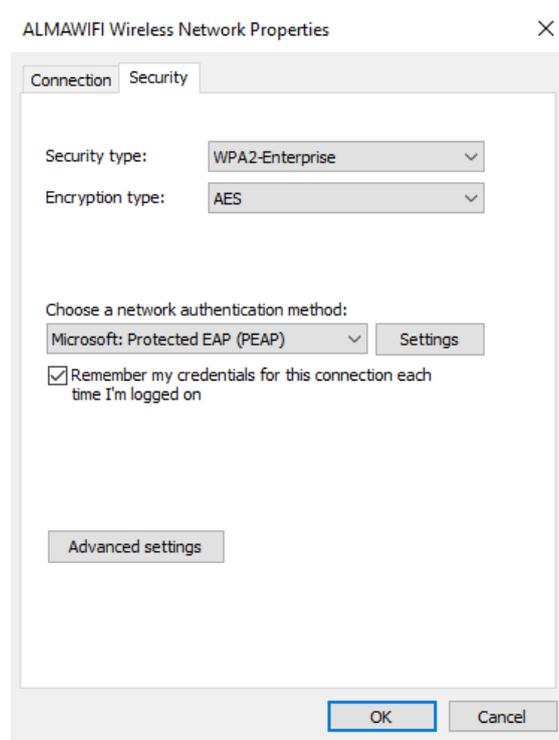


Click the **Configure** button and verify the option as in the image below, unchecking **Automatically use my Windows logon name and password**:

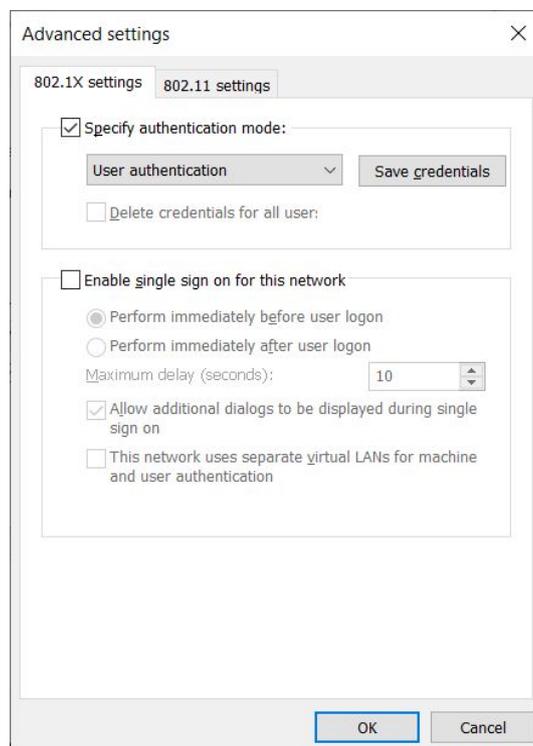


Select **OK** to close the EAP MSCHAPv2 Properties
Select **OK** to close the Protected EAP Properties

In ALMAWIFI Wireless Network Properties select **Advanced settings**:



In the **Advanced settings** window, select the **Specify authentication mode** menu and select **User authentication** then click on **Save credentials** button.

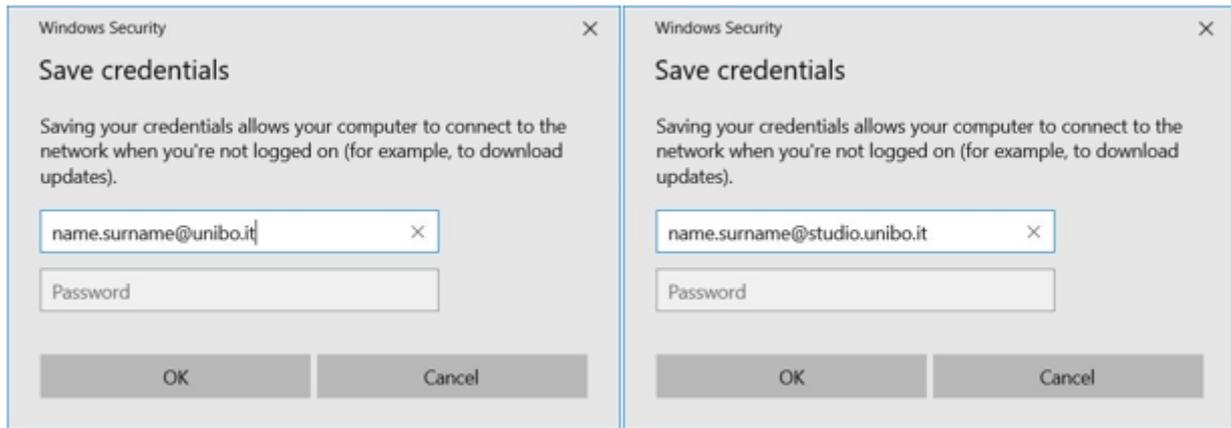


Insert your credentials:

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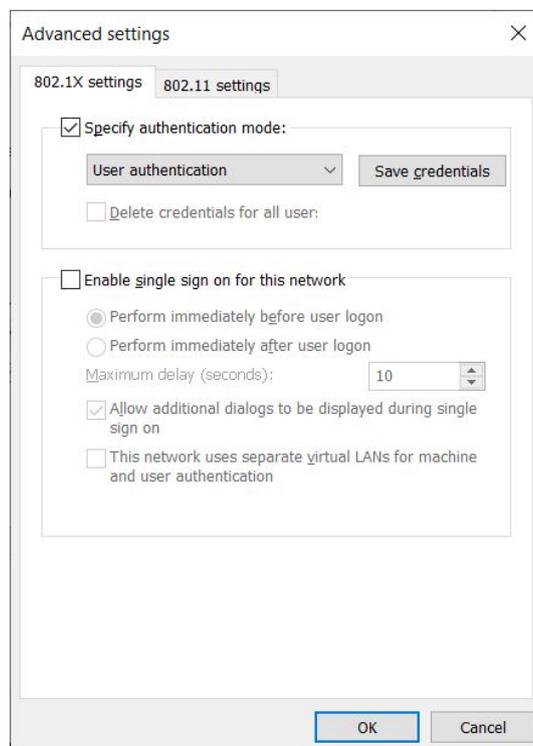
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Select **OK** to close **Windows Security**.

In the **Advanced Settings** window click **OK** to close it:



Select the **OK** button to close the Wireless Network Properties window.

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

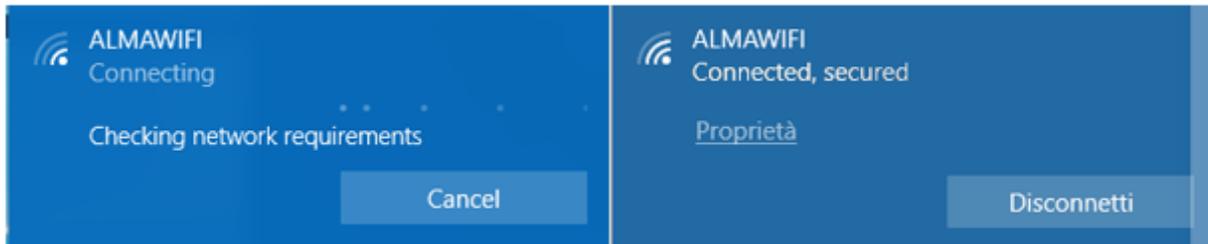
Select the Network icon  and select ALMAWIFI.

Wait for the connection to be established:

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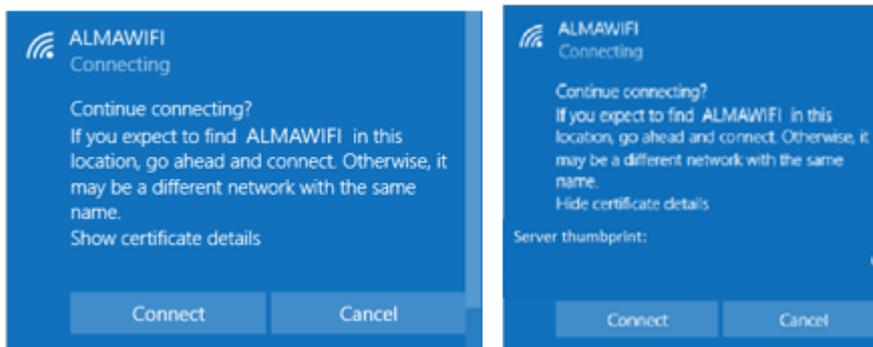
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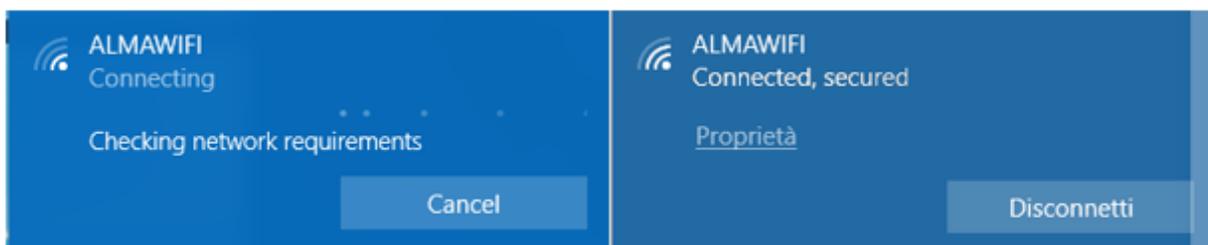
If pre-existent ALMAWIFI profile wasn't removed you'll see an alert.
By clicking on **Show certificate details** you can check the Server thumbprint, which must be:

A5 58 53 7E B8 80 50 B7 24 31 58 69 91 60 7C 61 D2 57 0E B5

Click **Continue**.



Wait for the connection to be established:

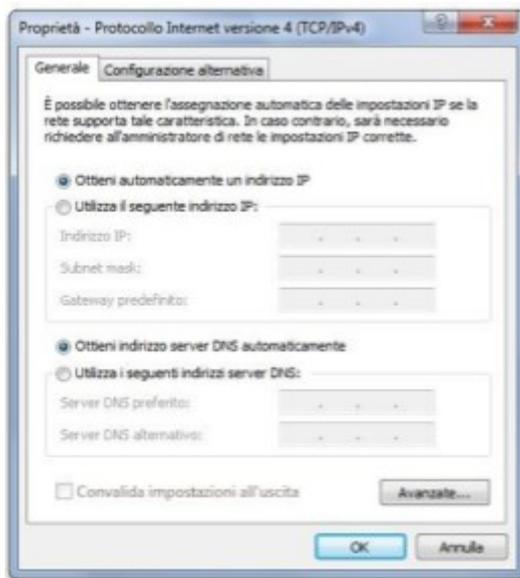


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Limited or no connection / Internet not available

If the device is connected to ALMAWIFI but does not browse the Internet (message “limited or no connection”, “no Internet access”, “Internet not available, etc.”), you need to check that both IP and DNS are automatic (DHCP active).

The DNS and TCP/IP tab is available, starting from the **Network and Sharing Center**, selecting the Network item and the connection currently in use:



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