



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

AREA  
SISTEMI E SERVIZI  
INFORMATICI

## Internet access system through the ALMAWIFI wireless network of the University of Bologna

### UBUNTU

(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 Ubuntu 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>

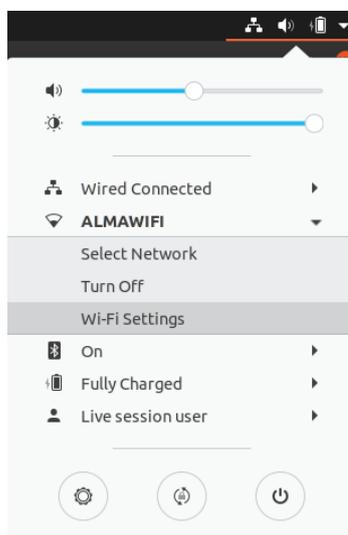
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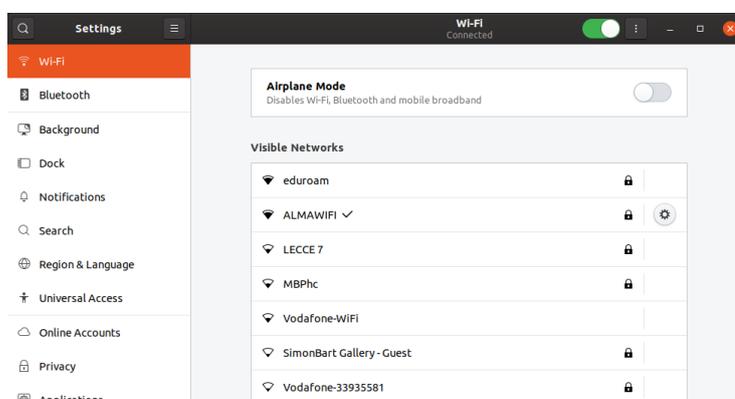
## Previous profile removal

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:

- Click on the wireless network icon on the upper right and select **Manage networks...**



- On the network connections windows, select **ALMAWIFI** and click on **Forget Connection**.



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Cancel **ALMAWIFI** Apply

**Details** Identity IPv4 IPv6 Security

Signal Strength Good

Link speed 144 Mb/s

Security WPA2, Enterprise

IPv4 Address 10.200.9.87

IPv6 Address fe80::95:349e:c4c2:1725

Hardware Address F4:8C:50:44:6B:BE

Default Route 10.200.255.254

DNS 137.204.25.71 137.204.25.213

Connect automatically

Make available to other users

Restrict background data usage  
Appropriate for connections that have data charges or limits.

Forget Connection

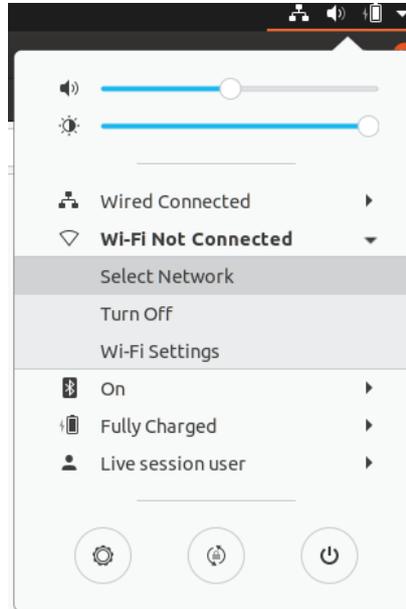
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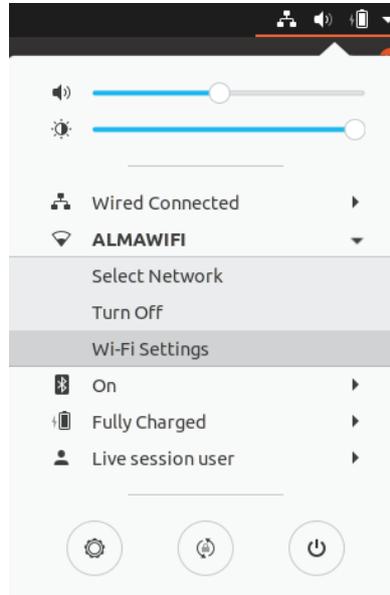
## Client configuration using Linux Ubuntu

The operating system must be Ubuntu 19.10 or later; this OS automatically recognizes if the network you are joining uses WPA, and it gives you the correct prompt.

Click on the network-manager-gnome application button that will appear on the Ubuntu toolbar. Choose **Enable Wireless** or select the **ALMAWIFI**.



In the same menu, be sure you select **ALMAWIFI**:



You will need to enter the appropriate configuration settings for the ALMAWIFI network detailed below and click on **Connect**.

Important: also select **CA certificat**, this is required for security practices.

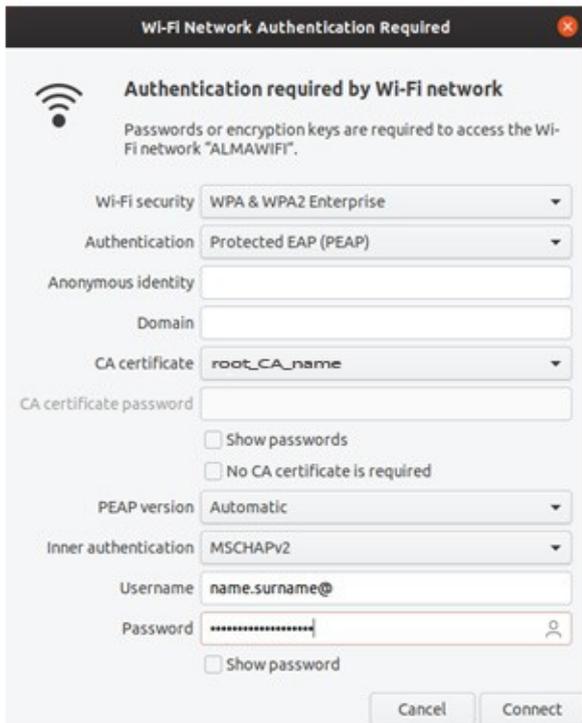
Download the file on the [www.unibo.it/almawifi](http://www.unibo.it/almawifi) web page or directly at the [https://comodoca.my.salesforce.com/sfc/p/1N000002Ljih/a/3I000000VZ4M/ie5Sho19m8SLjTZkH\\_VL8efOD1qyGFt9h5Ju1ddtbKQ](https://comodoca.my.salesforce.com/sfc/p/1N000002Ljih/a/3I000000VZ4M/ie5Sho19m8SLjTZkH_VL8efOD1qyGFt9h5Ju1ddtbKQ)

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## SHA-2 Root : USERTrust RSA Certification Authority



**Wi-Fi Network Authentication Required**

Authentication required by Wi-Fi network

Passwords or encryption keys are required to access the Wi-Fi network "ALMAWIFI".

Wi-Fi security: WPA & WPA2 Enterprise

Authentication: Protected EAP (PEAP)

Anonymous identity: [Empty]

Domain: [Empty]

CA certificate: root\_CA\_name

CA certificate password: [Empty]

Show passwords

No CA certificate is required

PEAP version: Automatic

Inner authentication: MSCHAPv2

Username: name.surname@

Password: [Masked]

Show password

Cancel Connect

→ Insert Certificate here

→ **unibo.it** for staff of University  
**studio.unibo.it** for students of University

When you are connected the network-manager-gnome icon at the top right of your desktop will turn white.

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