



AREA SISTEMI E SERVIZI INFORMATICI

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

UBUNTU

(last update 14/12/2021)

*The updated version of the document is always the one published online at
<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 and EAP (IEEE 802.1x) standards, 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>

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

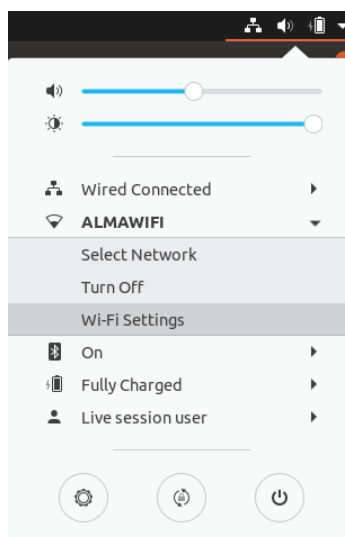


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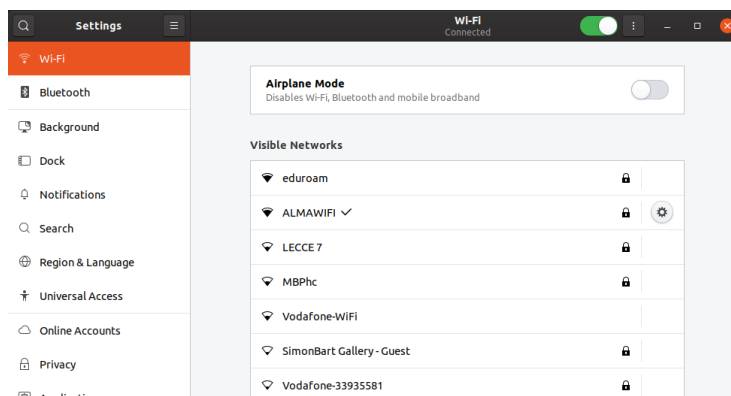
Previous profile removal

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.

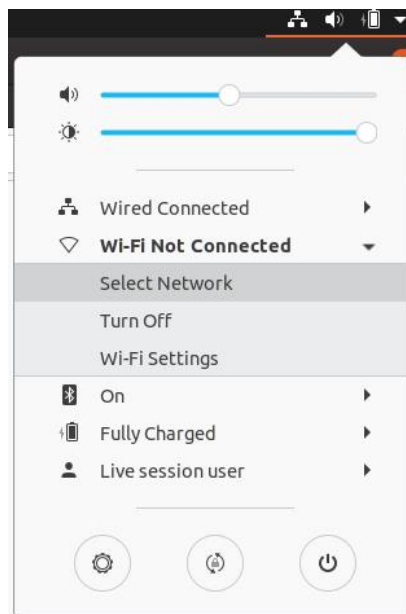
Forget Connection



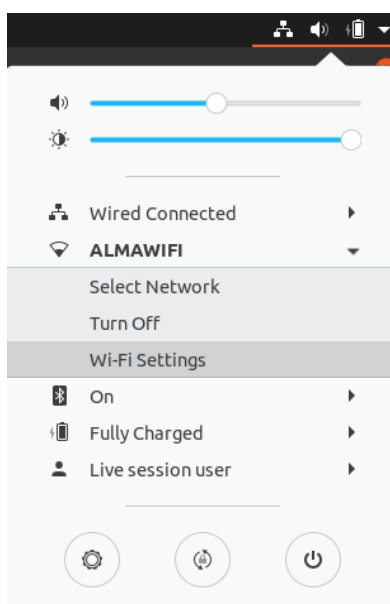
Client configuration using Linux Ubuntu

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**:





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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 web page or directly at the https://comodoca.my.salesforce.com/sfc/p/1N000002Ljih/a/3I000000VZ4M/ie5Sho19m8SLjTZkH_VL8efOD1qyGFt9h5Ju1ddtbKQ

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 field]

Domain: [Empty field]

CA certificate: root_CA_name

CA certificate password: [Empty field]

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



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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.