



Università
di Brescia

Eduroam Wireless Network: settings for macOS

This guide illustrates the steps to configure the "eduroam" Wi-Fi network on macOS

Before You Begin



Università
di Brescia

Follow the instructions to install the network certificate, then continue with the steps in this guide.

Warning: to install the certificate your computer must already be connected to the network. Staff can do this using any wired connection (for example, from their office).

To avoid conflicts with any other network configurations already present on the Mac, we will create a new dedicated “location” in the Network preferences panel.

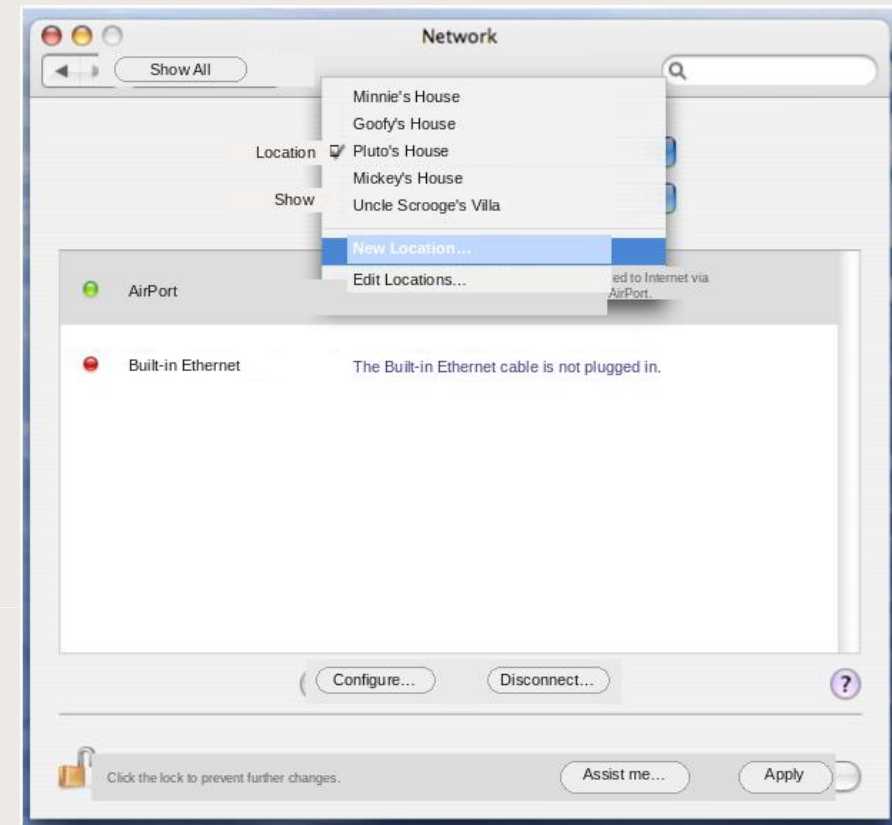
Create a New Network Location



Università
di Brescia

- Open the Network panel in System Preferences.
- From the “Location” menu select “New Location...” and give it a meaningful name, for example “University”, as shown in the image.

This way, the settings created next will not interfere with any other network configurations already on the Mac.

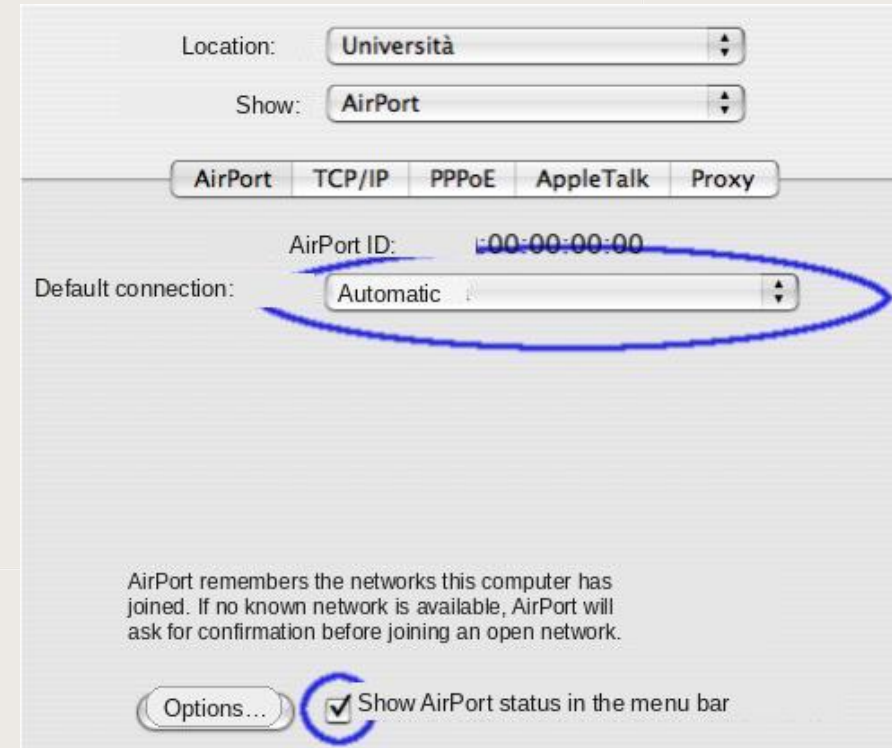


Configure AirPort



Università
di Brescia

- In the location you just created, select “AirPort” from the “Show” field.
- Check that “Default connection” is set to “Automatic”.
- Check “Show AirPort status in the menu bar”, to always have the Wi-Fi status icon at hand.

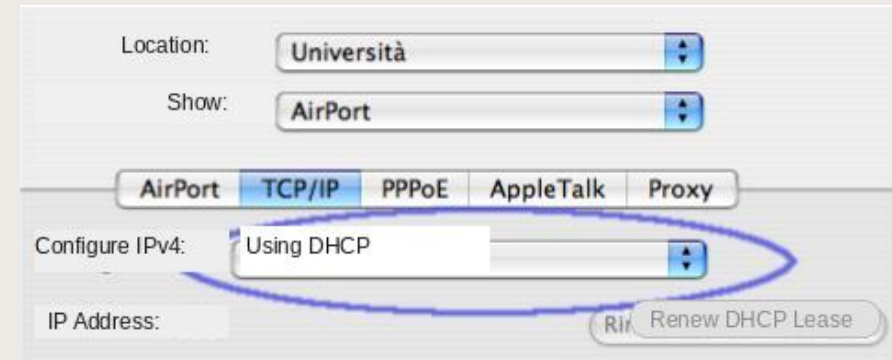


Configure TCP/IP



Università
di Brescia

- Switch to the “TCP/IP” panel, next to “AirPort”.
- Check that “Configure IPv4” is set to “Using DHCP”, as shown in the image.



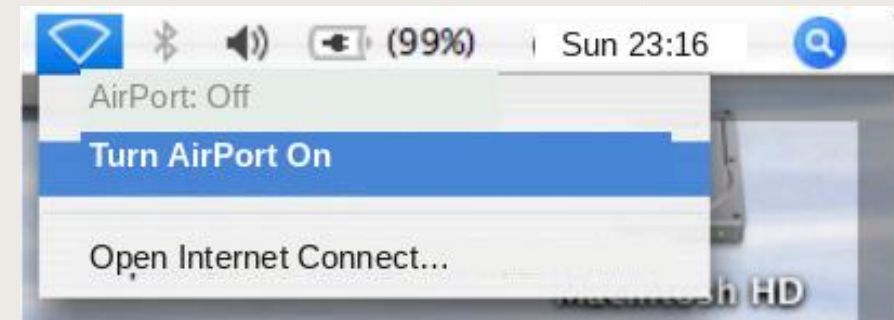
Turn On AirPort



Università
di Brescia

We will now set up access to the eduroam network via the AirPort status icon in the menu bar.

If it is not already on, click the icon and select "Turn AirPort On" to enable the wireless card.



Connect to eduroam

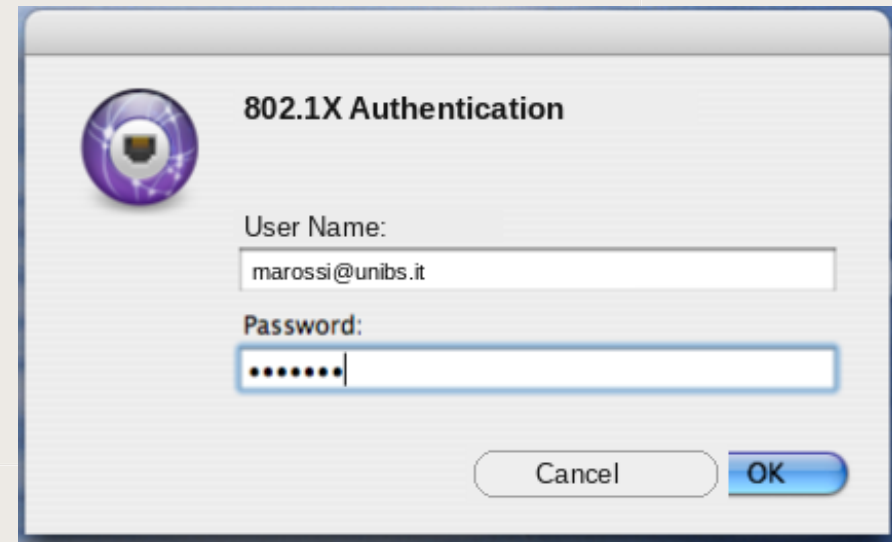


Università
di Brescia

Click the AirPort icon again and select “eduroam” from the list of available networks.

In the 802.1X authentication window that appears, enter your username and password: these are the same ones used to access the University portal, followed by “@unibs.it”.

Staff before 12/31/2009: marossi@unibs.it — after that date: **firstname.lastname@unibs.it** — **Students:** p.rossi@unibs.it (with a number appended in case of a name clash).

A screenshot of a Mac OS X 802.1X Authentication dialog box. It features a purple AirPort icon on the left. The title is "802.1X Authentication". Below the title, there are two text input fields. The first is labeled "User Name:" and contains the text "marossi@unibs.it". The second is labeled "Password:" and contains a series of dots. At the bottom right, there are two buttons: "Cancel" and "OK".

802.1X Authentication

User Name:

Password:

Cancel OK

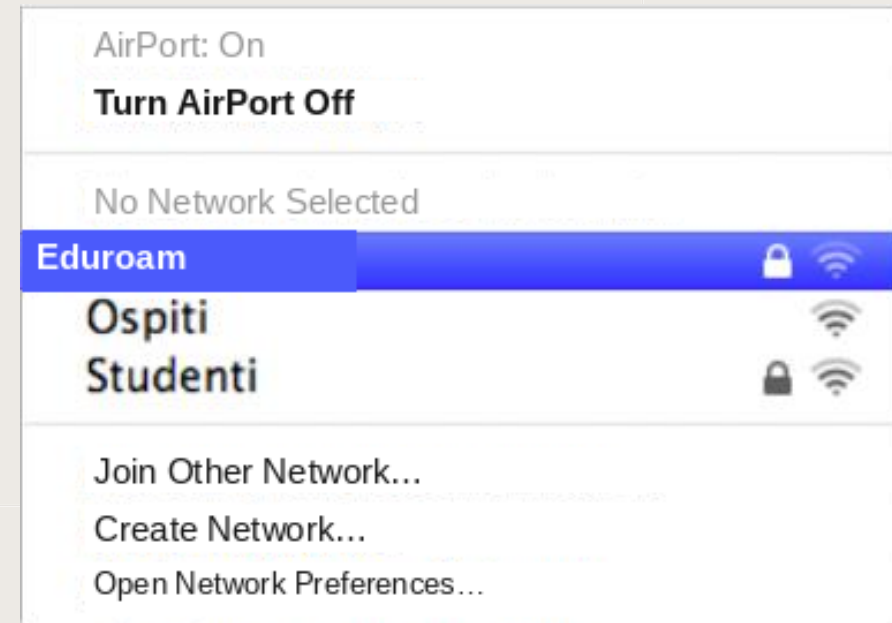
macOS 10.6: select eduroam



Università
di Brescia

Click the wireless connections icon in the top menu bar and select the “eduroam” network from the list, as shown in the image.

You will shortly be asked to authenticate using the WPA Enterprise protocol: see the next screen.



macOS 10.6: authentication

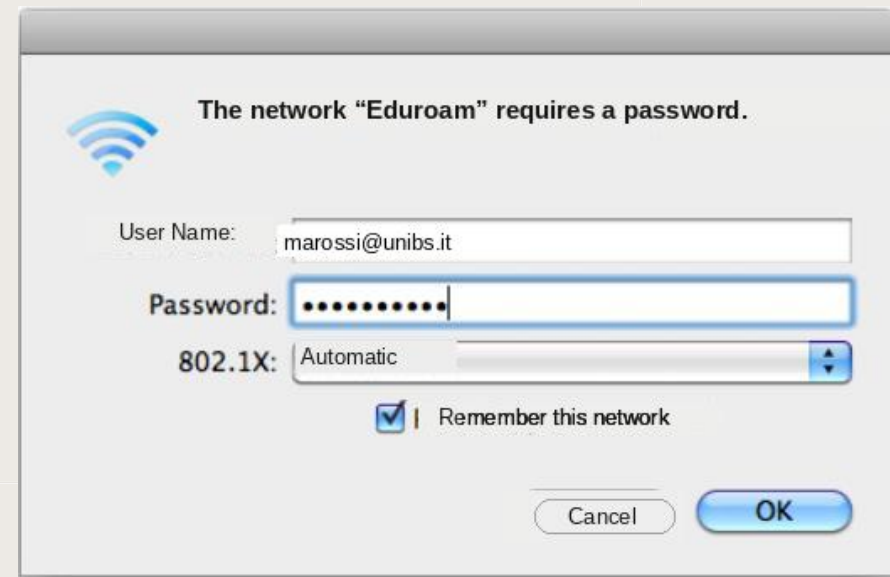


Università
di Brescia

In the window that appears, enter your username and password: these are the same ones used to access the University portal, followed by "@unibs.it".

Leave "802.1X" set to "Automatic" and, if you wish, check "Remember this network".

If the credentials are correct, authentication will succeed and the Wi-Fi icon in the menu bar will return to the solid symbol.

A screenshot of a macOS Wi-Fi authentication dialog box. The title bar is grey. The dialog has a light grey background. At the top left is a blue Wi-Fi icon. To its right, the text "The network 'Eduroam' requires a password." is displayed. Below this, there are three input fields: "User Name:" with the text "marossi@unibs.it", "Password:" with a masked password of ten dots, and "802.1X:" with a dropdown menu showing "Automatic". Below the "802.1X:" field is a checkbox labeled "Remember this network" which is checked. At the bottom right are two buttons: "Cancel" and "OK".

The network "Eduroam" requires a password.

User Name: marossi@unibs.it

Password:

802.1X: Automatic

☒ Remember this network

Cancel OK

Username Criteria



Università
di Brescia

- Staff employed before December 31, 2009: first two letters of the first name + first eight letters of the last name, for a maximum of ten letters (e.g. Mario Rossi → marossi) + "@unibs.it".
- Staff employed after December 31, 2009: "firstname.lastname" (e.g. Mario Rossi → mario.rossi) + "@unibs.it".
- Students: first initial of the first name + "." + last name (e.g. Paolo Rossi → p.rossi) + "@unibs.it".
- In case of a name clash, a 3-digit number is appended to the username (e.g. p.rossi001).

Password: the same one used to access the University portal services.