



UNIVERSITY OF MIAMI
DEPARTMENT
of INFORMATION
TECHNOLOGY

***eduroam* Documentation**

August 2024 – Rev 5.2



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eduroam Information

What is eduroam?

eduroam (**education roaming**) is a secure, worldwide-federated roaming access service developed for the international research and education community, **eduroam** allows UM and non-UM students, researchers, and staff who are visiting participating **eduroam** institutions to obtain Wi-Fi Internet connectivity.

eduroam vs CaneNet_Wireless, UMiamiWireless or SecureCanes

eduroam allows UM and non-UM faculty, staff, and students to use Wi-Fi Internet at participating **eduroam** institutions. *Note: while you can test your eduroam connection on campus, you will not have Internet access.* Please make sure that you either remove the network when not traveling or follow the instructions on how to stop it from auto-joining.

CaneNet_Wireless (for students), **UMiamiWireless** for Coral Gables/Marine faculty and staff), and **SecureCanes** (for UHealth/MSOM faculty and staff) are encrypted Wi-Fi networks which allows UM faculty, staff, and students to connect to Wi-Fi in a secure manner.

CaneNet_Wireless, **UMiamiWireless**, or **SecureCanes** should be used when you are on a University of Miami (UM) campus or UM remote site.

How to Connect to eduroam?

Depending on your Wi-Fi device and operating system, you will need to download the **eduroam** installer in order to correctly configure your Wi-Fi device to connect to the **eduroam** Wi-Fi network at participating institutions.

The examples in this guide include walk-throughs for the following operating systems:

- Windows 11 / Windows 10
- Mac OSX Sierra (10.12) or higher
- Apple iOS
- Android
- Chrome OS

Requirements

UM faculty, staff, and students can connect to **eduroam** at other participating institutions using a wireless-capable device, such as a laptop, tablet, or smartphone. They must authenticate using their "<CaneID>@miami.edu" as the username, rather than just their CaneID.

Non-UM faculty, staff, and students from participating **eduroam** institutions will need to follow the setup guidelines provided by their institution.

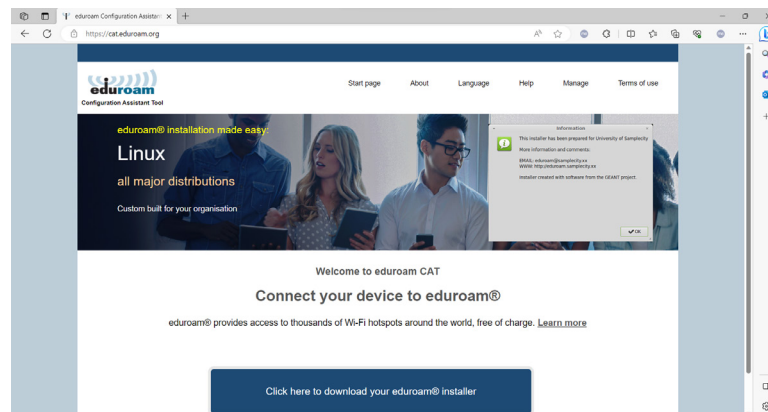
Support

For additional assistance and support, please contact the UMIT Service Desk at: (305) 284-6565 or help@miami.edu.

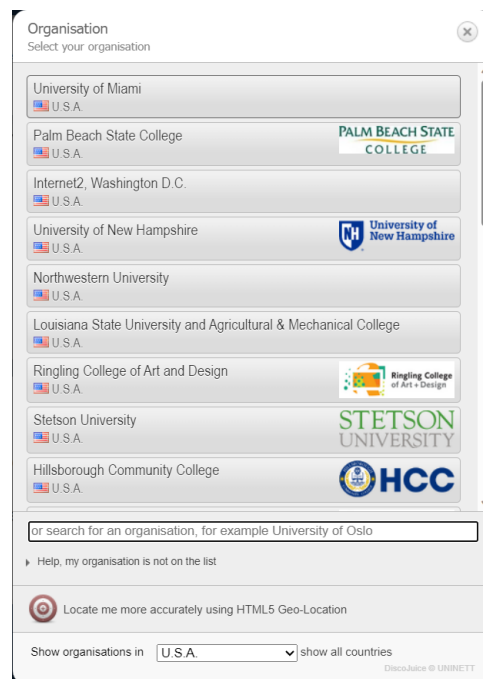
Windows 11

Section 1.1 Windows 11

- 1) Navigate to "<https://cat.eduroam.org/>"
- 2) Select the button "Click here to download your eduroam installer."



- 3) Select "University of Miami" as your Organization.



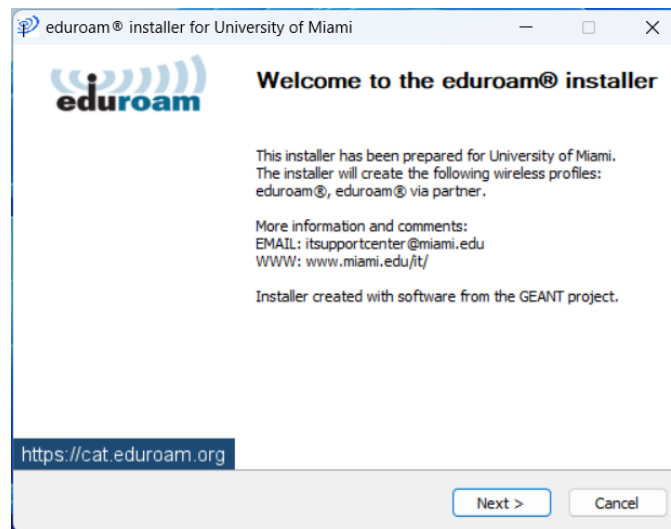


Section 1.1 Windows 11 cont'd

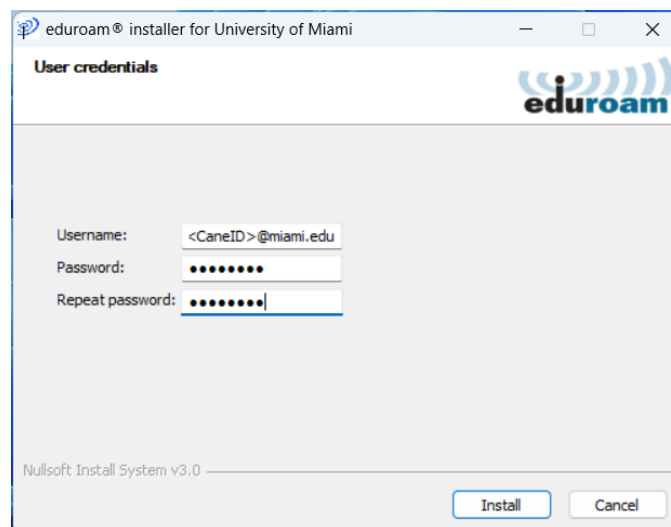
4) Download the installer for your OS (Windows 11).

5) Save the file download, and open it.

6) Select “Run” and follow the prompts.



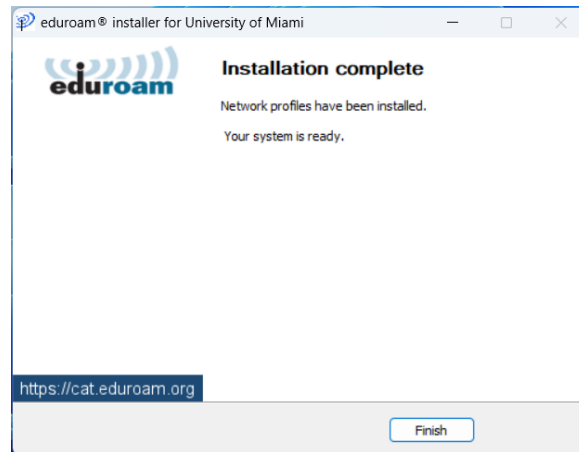
7) When prompted, enter your Username as “<CaneID>@miami.edu”, and Password as your CaneID password.



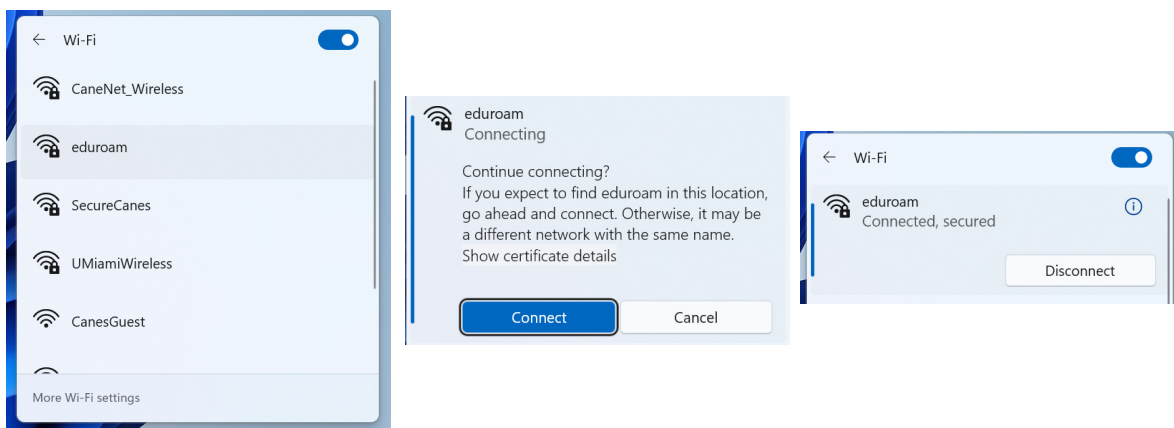


Section 1.1 Windows 11 cont'd

8) Follow the prompts to finish the installation, and if you are on the University of Miami campus, you may select the *eduroam* network in order to test your credentials.



9) If you are on the University of Miami Gables / Marine campuses, you may select the *eduroam* network in order to test your credentials. If it is successful, you will get a splash page informing you that you are successful. Please note that you will have no Internet access while authenticating on the *eduroam* network on the University of Miami campuses.

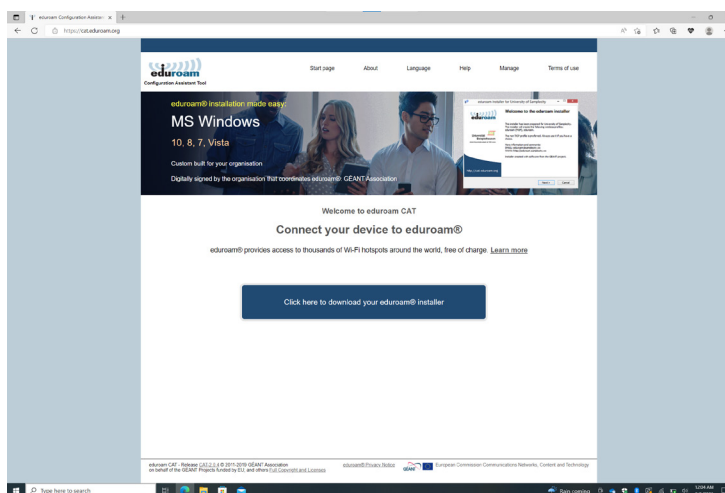


Note: Please do NOT select “*Connect Automatically*” unless you are traveling abroad at another eduroam institution; selecting it while on the University of Miami campuses may cause network connectivity disruptions since that network has no Internet access.

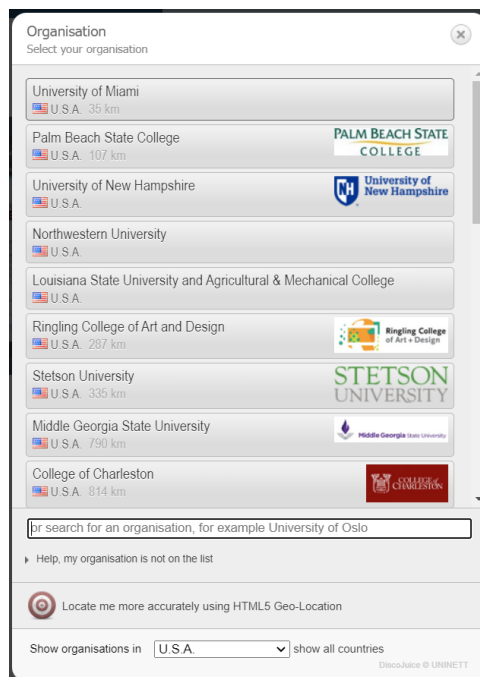
Windows 10

Section 1.1 Windows 10

- 1) Navigate to “<https://cat.eduroam.org/>”
- 2) Select the button “Click here to download your eduroam installer.”



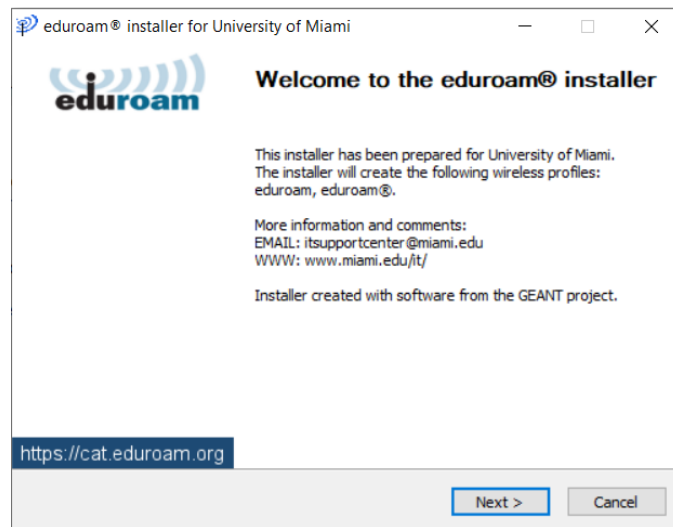
- 3) Select “University of Miami” as your Organization.



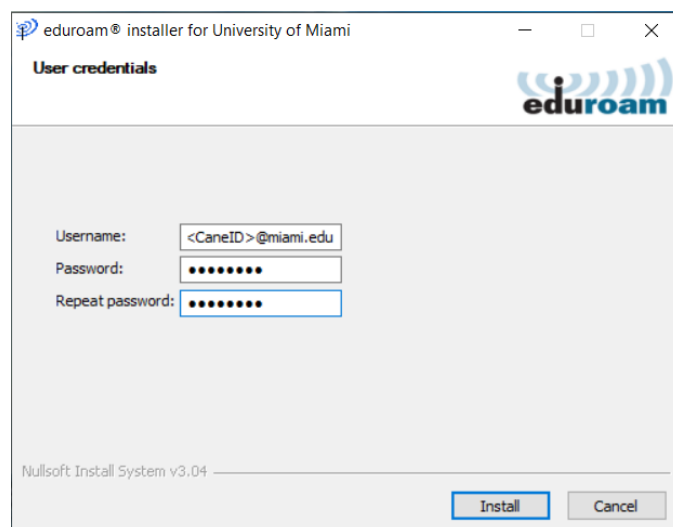


Section 1.1 Windows 10 cont'd

- 4) Download the installer for your OS (Windows 10).
- 5) Save the file download, and open it.
- 6) Select “Run” and follow the prompts.



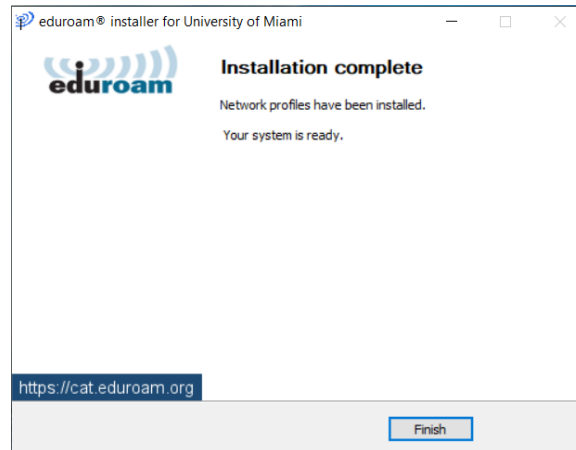
- 7) When prompted, enter your Username as “<CaneID>@miami.edu”, and Password as your CaneID password.



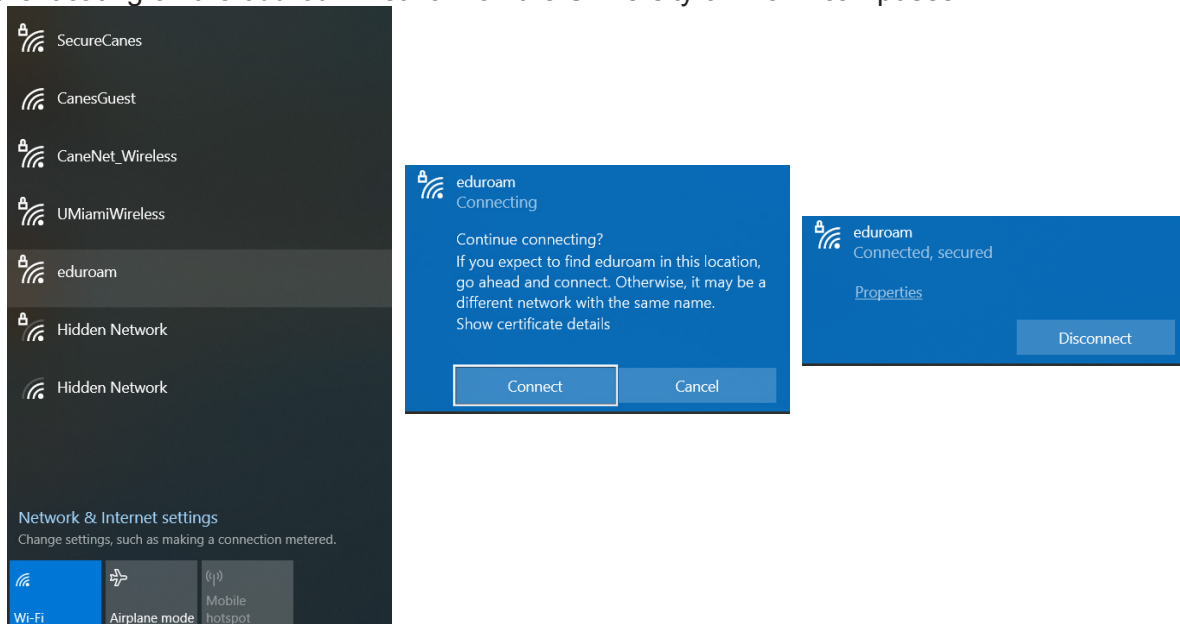


Section 1.1 Windows 10 cont'd

8) Follow the prompts to finish the installation, and if you are on the University of Miami campus, you may select the *eduroam* network in order to test your credentials.



9) If you are on the University of Miami Gables / Marine campuses, you may select the *eduroam* network in order to test your credentials. If it is successful, you will get a splash page informing you that you are successful. Please note that you will have no Internet access while authenticating on the *eduroam* network on the University of Miami campuses.

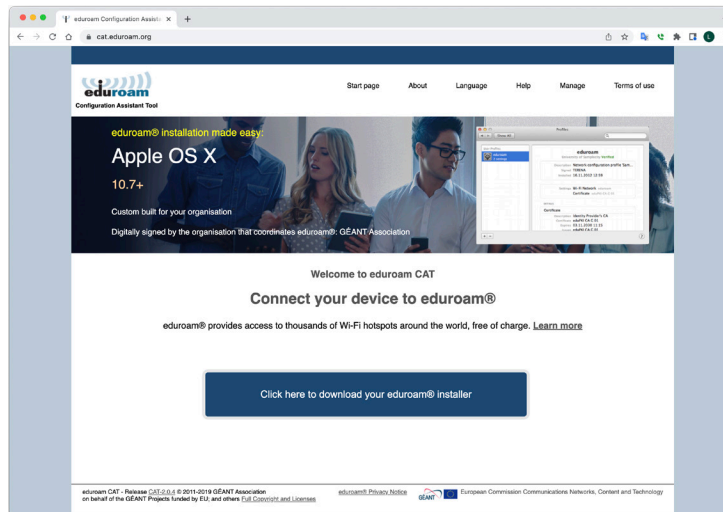


Note: Please do NOT select “*Connect Automatically*” unless you are traveling abroad at another eduroam institution; selecting it while on the University of Miami campuses may cause network connectivity disruptions since that network has no Internet access.

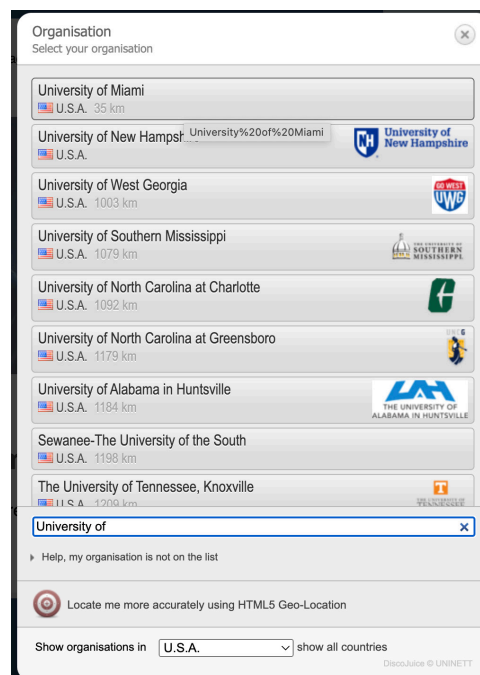
Mac OS X

Section 2.1 Mac OS X

- 1) Navigate to "<https://cat.eduroam.org/>"
- 2) Select the button "Click here to download your eduroam installer."



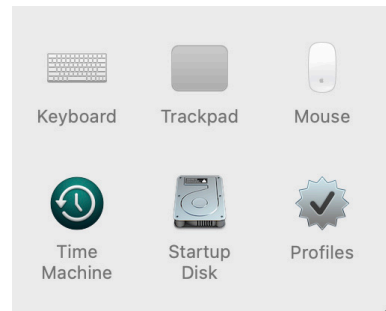
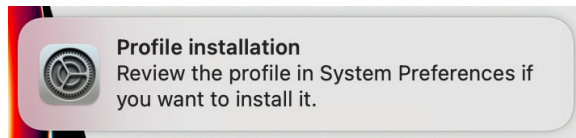
- 3) Select "University of Miami" as your Organization.



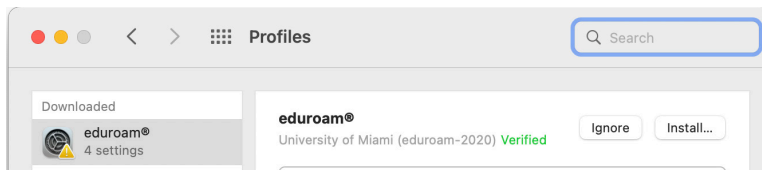
Section 2.1 Mac OS X cont'd

4) Download the installer for your operating system (OS), newer OSs will auto-select the file for your operating system.

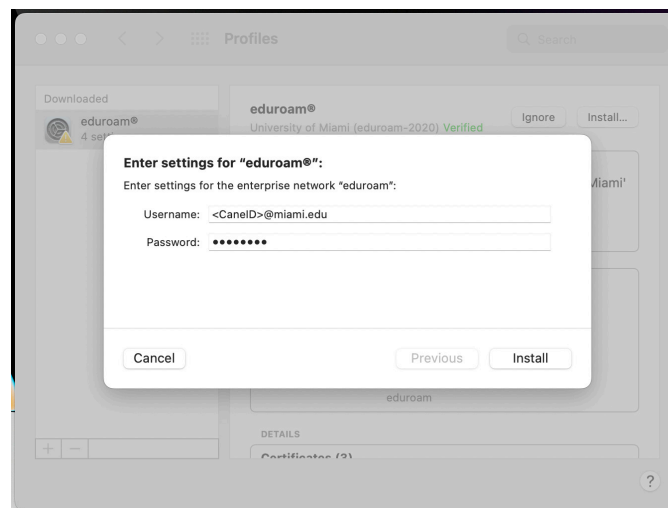
5) Once you click the download link, it may prompt you to review the config. You may find the profile under System Preferences, and Profiles, located in the lower right hand corner.



6) Click on the Install button to install the eduroam profile.



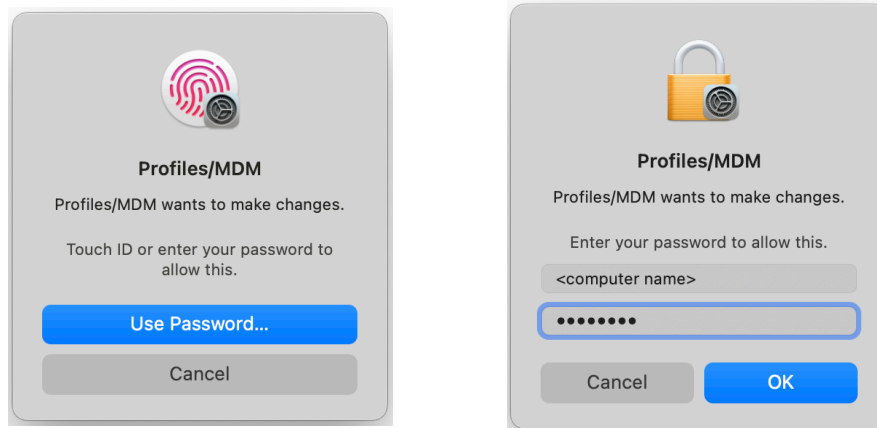
7) When prompted, enter your Username as "<CaneID>@miami.edu", and Password as your CaneID password and click *Install*.



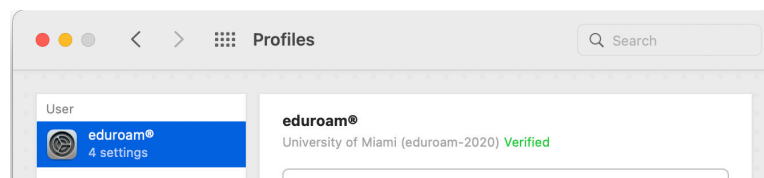


Section 2.1 Mac OS X cont'd

8) Enter your computer's administrative password when prompted. If your Mac prompts you for a fingerprint, use your fingerprint to "Use Password..." to type in your local user password and then click OK.



9) Once the installation is completed, if you are on the University of Miami campus, you may select the *eduroam* network in order to test your credentials. If it is successful, you will get a splash page informing you that you are successful. Please note that you will have no Internet access while authenticating on the *eduroam* network on the University of Miami campuses.



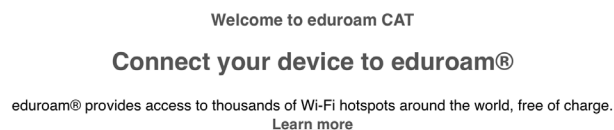
10) To prevent your connection from being interrupted, you should set the *eduroam* network to not automatically connect. Click on the wireless icon and select "*Open System Preferences*" (Mojave & above).

11) Once there, click on the "Advanced" button. In the list of preferred networks, either click and select the eduroam network and drag it below the *SecureCanes* or *CaneNet_Wireless* network name, or un-check the "Auto-join" check box next to the eduroam network.

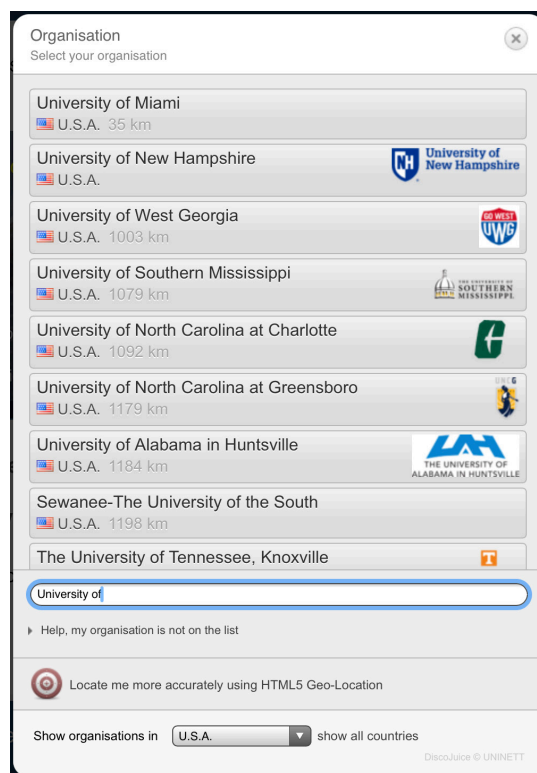
Apple iOS Mobile Devices

Section 3.1 Apple iOS Mobile Devices

- 1) Using the Safari browser on your iOS device, navigate to “<https://cat.eduroam.org/>”
- 2) Select the button “Click here to download your eduroam installer.”



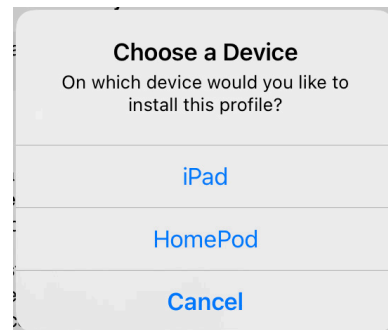
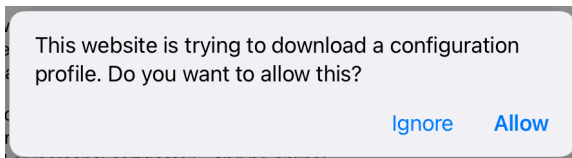
- 3) Select “University of Miami” as your Organization.



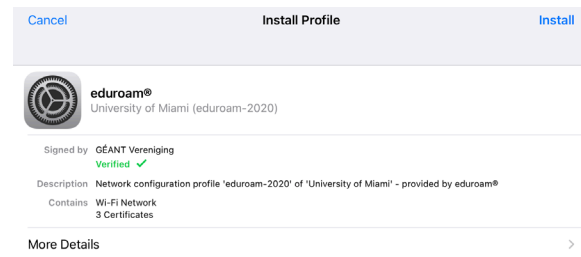
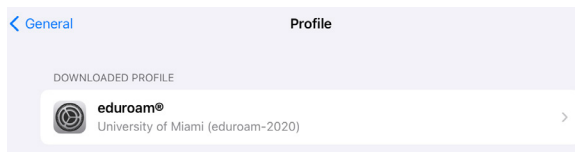


Section 3.1 Apple IOS Mobile Devices cont'd

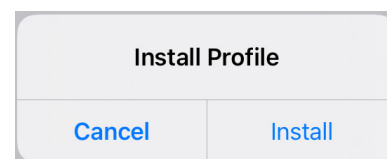
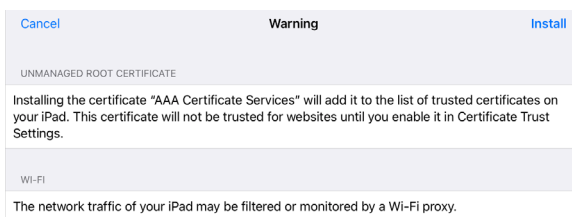
- 4) Download the installer for your operating system (OS).
- 5) Once you click the download link, it may prompt you to download the file. Click *"Allow."* If prompted to, select *"iPad"* or *"iPhone"* to install the profile.



- 6) After the profile downloads, navigate to the *Settings >> General >> Profile*.
- 7) Select the eduroam profile and click *"Install."*



- 8) Enter your Passcode if prompted to, and click *"Install"* to finish installing the profile.





Section 3.1 Apple IOS Mobile Devices cont'd

9) When prompted, enter your Username as “<CaneID>@miami.edu”, and Password as your CaneID password.

Cancel Enter Username Next

ENTER YOUR USERNAME FOR THE WI-FI NETWORK "EDUROAM"

<CaneID>@miami.edu

Requested by the "eduroam®" profile

Cancel Enter Password Next

ENTER YOUR PASSWORD FOR THE WI-FI NETWORK "EDUROAM"

Requested by the "eduroam®" profile

10) Click “Done” when the Profile has finished installing.

< Profile Profile Installed Done

 **eduroam®**
University of Miami (eduroam-2020)

Signed by GEANT Vereniging
Verified ✓

Description Network configuration profile 'eduroam-2020' of 'University of Miami' - provided by eduroam®

Contains Wi-Fi Network
3 Certificates

More Details >

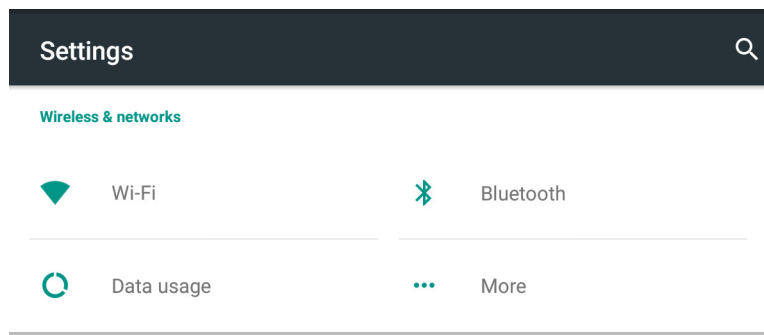
11) Once you have finished installing the profile, if you are on the University of Miami Gables / Marine campuses, you may test out your *eduroam* connection. Please note however, that you will not have Internet access. In order to prevent your iOS device from automatically connecting to the *eduroam* network, you should navigate to the Wi-Fi option within the Settings app, and click  on the next to the *eduroam* network name and make sure that the “Auto-Join” is turned off.



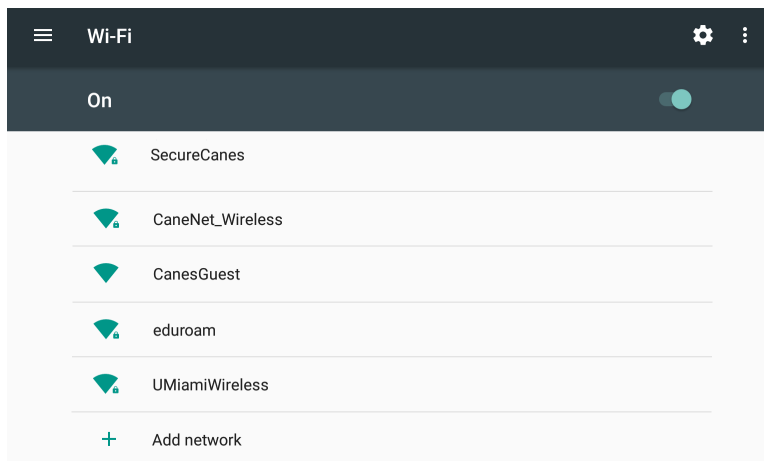
Select Versions of Android

Section 4.1 Select Versions of Android

- 1) Tap on the *Settings* icon in your Apps.
- 2) Under Wireless and Networks, tap on *Wi-Fi*.



- 3) Tap on *eduroam* in Wi-Fi.





Section 4.1 Select Versions of Android cont'd

4) From the Connect menu, select “*PEAP*” as the EAP method and “*MSCHAPV2*” as the Phase 2 authentication. Select the CA certificate as “*Use system certificates*.”

The screenshot shows the 'eduroam' configuration screen. It has four dropdown menus: 'EAP method' set to 'PEAP', 'Phase 2 authentication' set to 'MSCHAPV2', 'CA certificate' set to 'Use system certificates', and 'Use system certificates' (which is also a dropdown menu).

5) Enter “*guest.miami.edu*” as the Domain, and input “<CaneID>@miami.edu” as the username and your password as the Password. Then tap *Connect* or *Save*.

The screenshot shows the 'eduroam' configuration screen with the following fields: 'Domain' set to 'guest.miami.edu', 'Identity' set to '<CaneID>@miami.edu', 'Anonymous identity' (empty), 'Password' (masked with dots), 'Show password' (unchecked checkbox), and 'Advanced options' (dropdown menu). At the bottom right, there are 'CANCEL' and 'SAVE' buttons.

6) If your Android has the option, de-select the field “Auto reconnect” under “Advanced options.”

7) If you are on the University of Miami Gables / Marine campuses, you may test out your eduroam connection but you will have no Internet access.



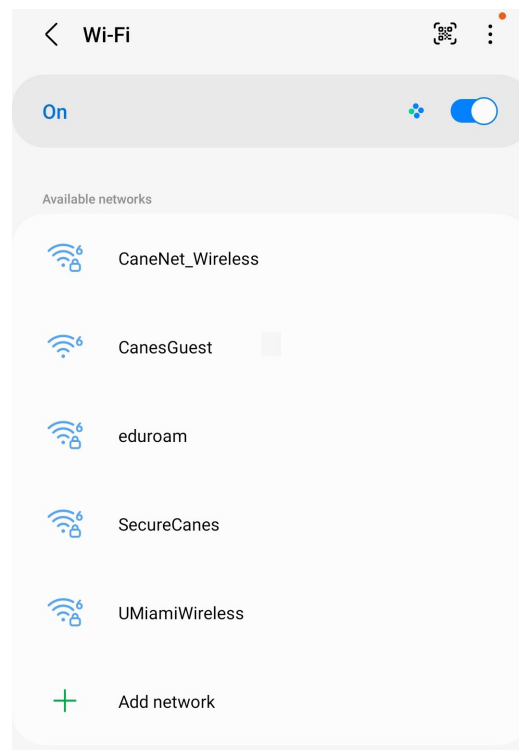
Android 10.0 / 12.0 Mobile Devices

Section 5.1 Android 10.0 / 12.0 Mobile Devices

- 1) Tap on the *Settings* icon located in your Apps.
- 2) Tap on *Network and Internet* or *Connections*, and then tap on *Wi-Fi*.



- 3) Tap on *eduroam* in Wi-Fi.





Section 5.1 Android 10.0 / 12.0 Mobile Devices cont'd

4) From the Connect menu, select “*PEAP*” as the EAP method and “*MSCHAPV2*” as the Phase 2 authentication, if prompted. Select CA certificate as “*Use system certificates*.”

5) Enter “*guest.miami.edu*” as the Domain, and input “<CaneID>@miami.edu” as the username and your password as the Password. Then tap *Connect*.

EAP method
PEAP ▼

Identity
<CaneID>@miami.edu

Password
.....

CA certificate
Use system certificates

Online certificate status
Don't validate

Domain
guest.miami.edu

Auto reconnect ☒

View more

Connect

6) You will then be connected to the *eduroam* network. If your Android has the option, de-select the field “Auto reconnect” usually located under “Advanced options.”

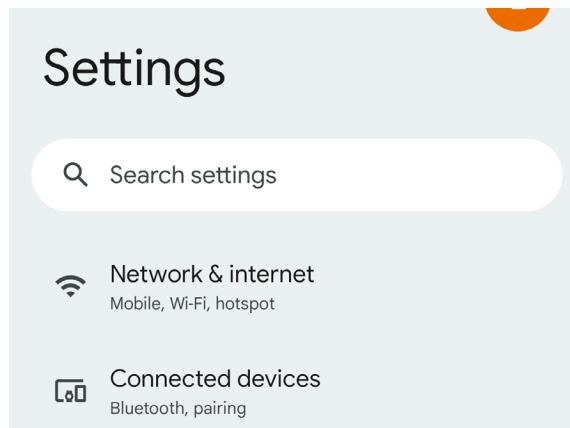
7) If you are on the University of Miami Gables / Marine campuses, you may test out your eduroam connection but you will have no Internet access.



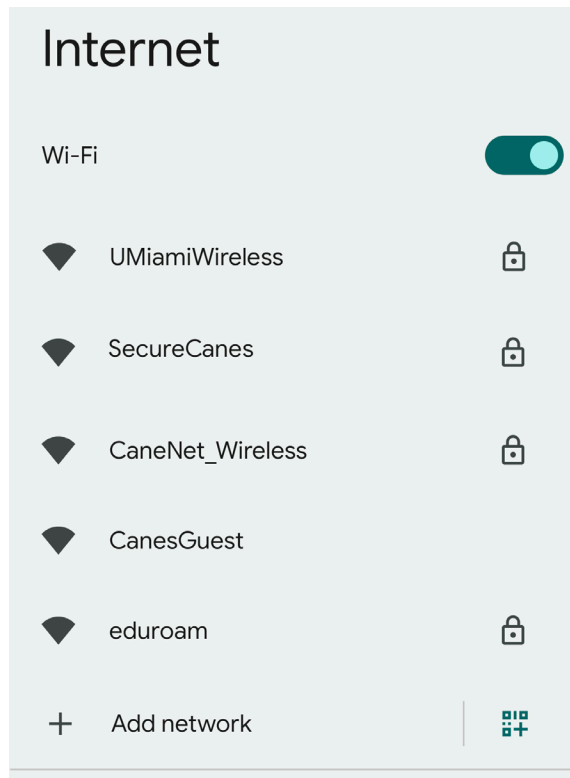
Android 13.0 Mobile Devices

Section 6.1 Android 13.0 Mobile Devices

- 1) Tap on the *Settings* icon located in your Apps.
- 2) Tap on *Network and Internet*, and then tap on *Wi-Fi* or *Internet*.



- 3) Tap on *eduroam* in Wi-Fi.





Section 6.1 Android 13.0 Mobile Devices cont'd

4) From the Connect menu, select “*PEAP*” as the EAP method and “*MSCHAPV2*” as the Phase 2 authentication. Select CA certificate as “*Use system certificates*.”

5) Enter “*guest.miami.edu*” as the Domain, and input “<CaneID>@miami.edu” as the username and your password as the Password. Then tap *Connect*.

eduroam

EAP method
PEAP

Phase 2 authentication
MSCHAPV2

CA certificate
Use system certificates

Online Certificate Status
Do not verify

Domain
guest.miami.edu

Identity
<CaneID>@miami.edu

Anonymous identity

Password
.....

☐ Show password

Advanced options

6) You will then be connected to the *eduroam* network. If your Android has the option, de-select the field “Auto reconnect” under “Advanced options.”

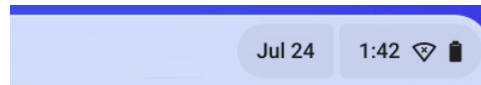
7) If you are on the University of Miami Gables / Marine campuses, you may test out your eduroam connection but you will have no Internet access.



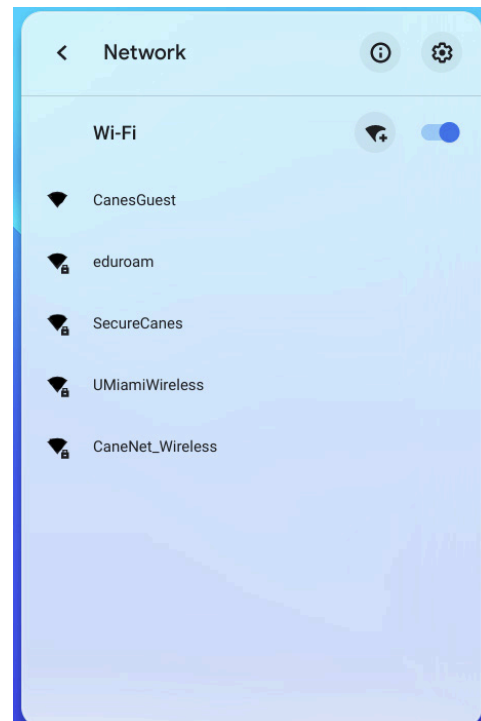
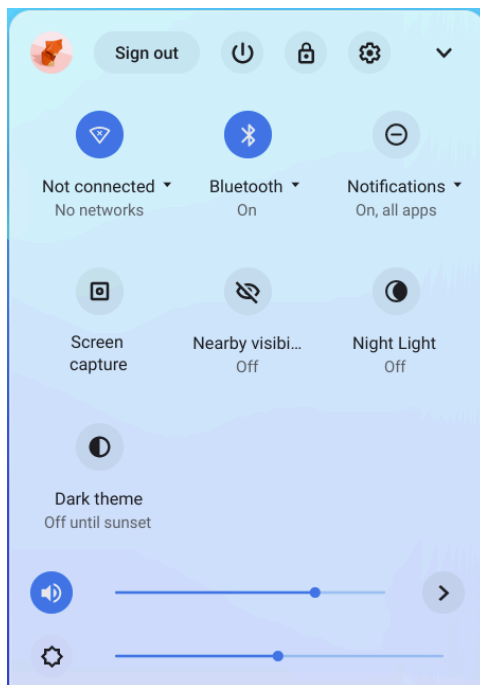
Chrome OS

Section 7.1 Chrome OS

1) Select the wireless and clock icon at the bottom right corner of the screen.



2) Select the *Wireless Network* option to see the list of available networks.



3) Select the *eduroam* network.



Section 7.1 Chrome OS cont'd

4) If you are running the latest version of Chrome OS (as of late August 2023), On the Join Wi-Fi network page, enter the settings listed below. If you are running an older version, please see below.

Join Wi-Fi network

SSID

eduroam

Security

EAP

EAP method

EAP-TTLS

EAP Phase 2 authentication

MSCHAPv2

Server CA certificate

Default

Subject match

Cancel Connect

Join Wi-Fi network

Subject match

eduroam.guest.miami.edu

Subject alternative name match

Domain suffix match

miami.edu

Identity

<CanelD>@miami.edu

Password

Anonymous Identity

Cancel Connect

For older versions of ChromeOS, enter “EAP-TTLS” as the EAP method, and “MSCHAPV2” as the EAP Phase 2 authentication. Use “Default” for the Server CA certificate.

Join Wi-Fi network

SSID

eduroam

Security

EAP

EAP method

EAP-TTLS

EAP Phase 2 authentication

MSCHAPv2

Server CA certificate

Default

Identity

Cancel Connect

Join Wi-Fi network

Server CA certificate

Default

Identity

<CanelD>@miami.edu

Password

Anonymous Identity

Save identity and password

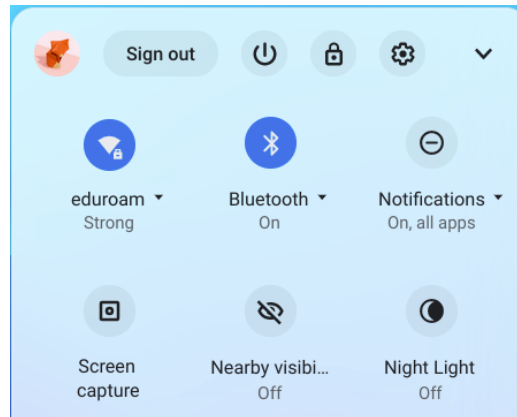
Allow other users of this device to use this network

Cancel Connect



Section 7.1 Chrome OS cont'd

5) Input "<CanelD>@miami.edu" as the username and your password as the Identity and Password. Then select *Connect*.



6) You will then be connected to the *eduroam* network. Please make sure to turn off auto-join on the eduroam network to prevent your device from hopping networks while on campus.

7) If you are on the University of Miami Gables / Marine campuses, you may test out your eduroam connection but you will have no Internet access.