Eduroam

Eduroam (**edu**cation **roam**ing) is a secure, worldwide wireless network access service developed for the international research and education community. Eduroam provides students, faculty, and staff from participating institutions simple, instant and secure access to the Internet when visiting each other's institutions.

With hundreds of thousands of wireless access-points sharing a common network name or SSID, eduroam acts as one large, world-wide, wireless hotspot. Eduroam is offered at more than 5,500 institutions, in more than 50 countries, with more than 160 institutions in the United States. For lists and maps showing all institutions participating in eduroam visit the eduroam website at https://www.eduroam.us/. This information is updated frequently as more institutions join Eduroam.

Eduroam is managed by the Global eduroam Governance Committee, which is made up of several regional administrative entities. Syracuse University is a member of eduroam-US.

How does eduroam work?

SU students, faculty and staff (SU users) can currently take advantage of eduroam when travelling to other participating eduroam schools.

Participating institutions typically broadcast the "eduroam" wireless network name (SSID), and students, faculty and staff from other eduroam institutions can use their home network credentials (email address and password) to authenticate to this network.

As an SU user you can connect to the "eduroam" wireless network at other participating eduroam schools by using your official SU email address (NetID@syr.edu) and password. Note that you need to use your full SU email address, and not just your NetID (like you use on the SU campus when connecting to AirOrangeX and other campus services). Your email address and password remain secure, and are never sent over the network.

Syracuse University will become an eduroam service provider January 1, 2014 when it starts broadcasting the eduroam wireless network connection on the Syracuse campus, and students, faculty and staff from other eduroam institutions will be able to connect while here.

As an alternative to eduroam, visitors who need Internet access while at Syracuse University can connect using AirOrangeGuest. For instructions, see the AirOrangeGuest Access Instructions.

How do I connect to eduroam?

Click the link(s) below for instructions for connecting your client device(s) when visiting an eduroam institution.

Though most schools do just what SU does for encryption (PEAP with MS-CHAPv2 and WPA2), some campuses don't, so SU travelers might need to get local configuration help. Additionally users who have other institutional eduroam profiles may need to delete them from the device in order to connect on SU's campus network.

Eduroam Installer

Please note that the Eduroam Installer located at the following link https://www.eduroam.org/about/connect-yourself/ is not currently available for Syracuse University. It is also not required to connect to the Eduroam network.

Where can I use eduroam?

You can find lists of current eduroam service provider institutions on the eduroam website and at the regional entity websites. This information is updated frequently as more institutions join Eduroam:

- USA: https://www.eduroam.us/
- Canada: http://www.canarie.ca/en/caf/participants
- Europe: https://www.eduroam.org/index.php?p=europe
- Asia-Pacific: http://www.aarnet.edu.au/services/eduroam/global-eduroam
- Australia: http://www.eduroam.edu.au/

Eduroam Security

Authentication is accomplished using a federated RADIUS server infrastructure. As an SU user, you must log in with your full email address to identify which RADIUS server in the eduroam infrastructure should handle your authentication attempt.

When you enter your credentials at a participating eduroam institution, the authentication dialogue is encrypted between your client device and SU's RADIUS servers. Additionally, the authentication method used by SU is a challenge-response mechanism, so your client device never actually sends your password over the network.