Simple, secure and fast network access for students, researchers and staf
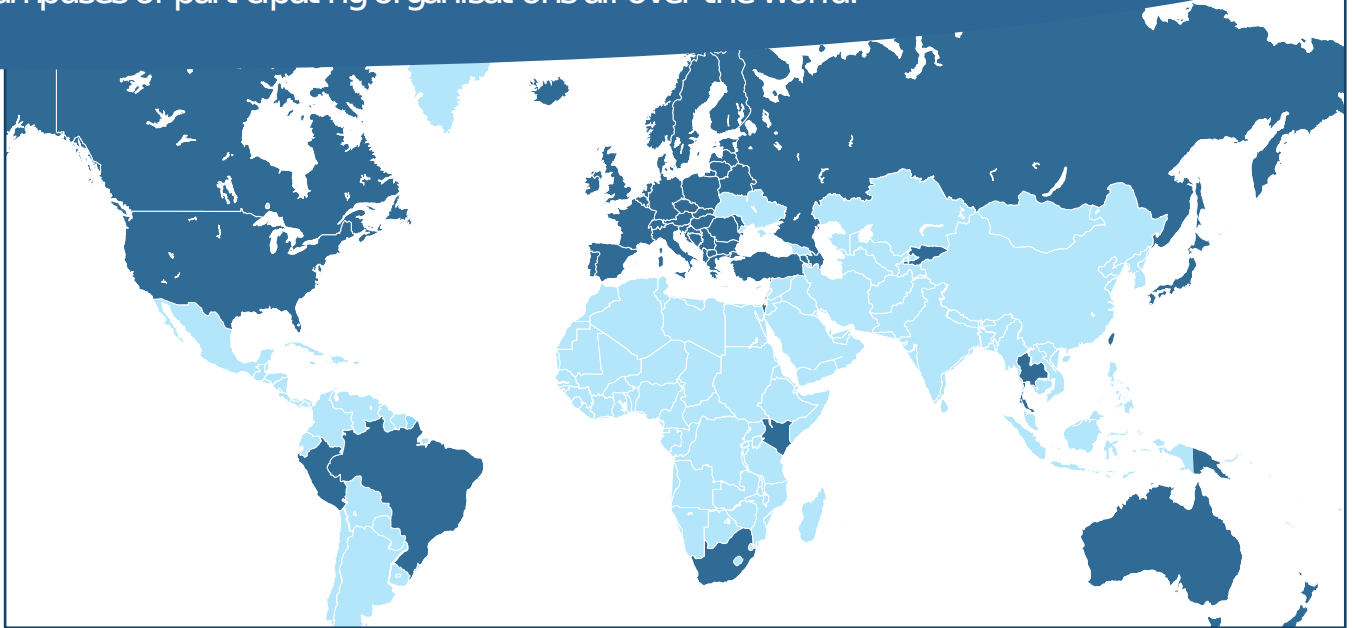
eduroam is a global wireless service that enables students, researchers and staf to obtain secure and fast Internet connect vity across campuses of part cipat ng organisat ons all over the world.

Maps are available on the eduroam website, *www.eduroam*, showing every inst tut on in Europe where eduroam is available and linking to informat on about eduroam in Canada, Japan, the USA, Australia, New Zealand, Hong Kong and other countries.

Benef ts for inst tut ons

The cost of implement ng and maintaining eduroam is modest. The service results in signif cant cost savings through reduced IT department workload:

- eduroam provides a single solut on that accommodates all the mobile connect vity requirements of an inst tut on, support ng local users connect ng to the local network, visitors connect ng to the local network and local users connect ng to other part cipat ng networks.

- eduroam removes the need to supply temporary accounts to visit ng users, so reducing the administrat ve and support burden imposed by the ever-growing movement of students and researchers between inst tut ons and countries.

With eduroam, your campus becomes a more at ract ve venue for meet ngs and conferences, as it allows part cipants to access the network without assistance, and without tying up your facilit es.
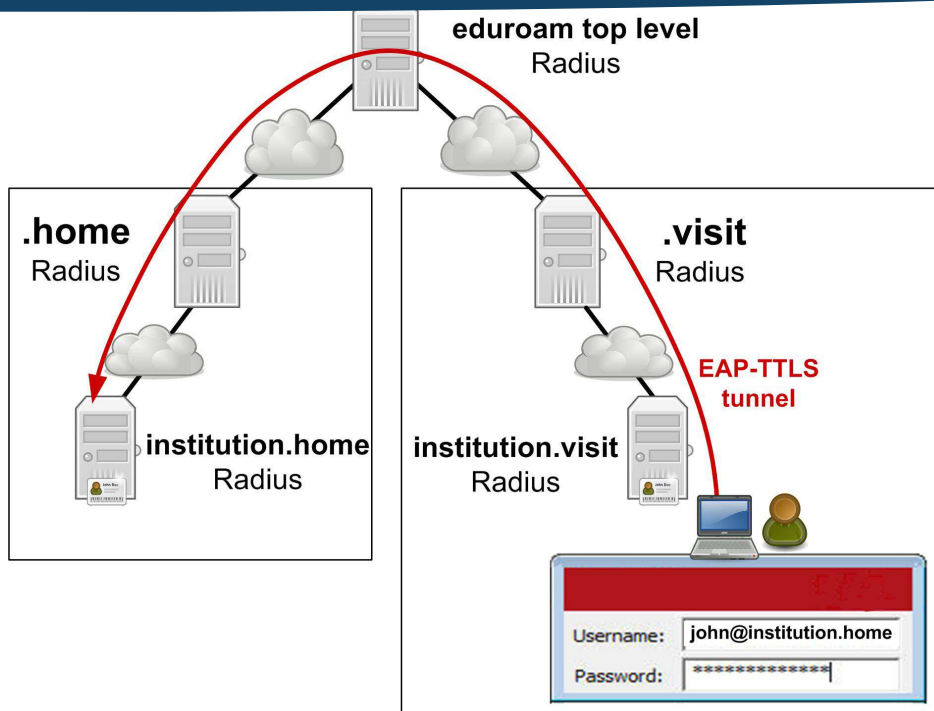
eduroam® supports research and education by providing:

- high-speed, roaming broadband in over 50 countries
- access at thousands of locat ons, with only one setup
- secure and privacy-preserving technology
- reciprocal service that is free-of-charge to users
- leadership in pioneering global roaming services and technology

eduroam was pioneered by the European research and educat on networking community. It is available for all research and educat on inst tut ons to deploy.

By connect ng to eduroam you provide your researchers, staf and students with access to thousands of part cipat ng hotspots world-wide.

How eduroam works

eduroam top level
Radius

.home
Radius

.visit
Radius

institution.home
Radius

institution.visit
Radius

EAP-TTLS tunnel

Username: john@institution.home
Password: *************

eduroam set up in three easy steps:

1. Set up a RADIUS server connected to your insttutonal identty server (LDAP)

2. Connect your access points to your RADIUS server

3. Federate your RADIUS server

- eduroam is based on 802.1X and a linked hierarchy of RADIUS servers containing users' data (usernames / passwords).
- The RADIUS hierarchy forwards the users' credentals securely to the users' home insttuton, where they are verifed and validated.
- To protect the privacy of the trafc from the user's device over the wireless network, the latest up-to-date data encrypton standards are used.

The user's home insttuton is responsible for maintaining and monitoring user informaton, even when the user is at a guest campus. Thus, this data is not shared with other connected insttutons.

Partcipatng insttutons must have operatng RADIUS infrastructure and agree to the terms of use.

Technical, training and promotonal support is available, for further support, contact: eduroam@sci.am

For informaton on partcipatng insttutons and Roaming Operators, please see the eduroam map online. For more informaton about eduroam in Armenia see www.eduroam.am .

GÉANT and eduroam in Europe

The eduroam service is coordinated within Armenia by ASNET-AM and across Europe by a team from the GÉANT project, which is funded by the European Commission.

eduroam is available at partcipatng universites, research centres and libraries in more than 45 countries worldwide.

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