

06 eduroam Technical Info

eduroam Technical Information

Network configuration

- [Un-rate-limiting on.net traffic with BGP](#)

FreeRadius configs and Tools

- This is an automated certificate generation script for Linux (no more magic) this was created by Stephen Walsh of ACU
 - [cascript \(ver 1.4\)](#) and cascript with [CA.pl \(ver 1.4\)](#) - Updated 14/09/2006
- [cascript \(ver 1.3\)](#) and cascript with [CA.pl \(ver 1.3\)](#) - Updated 15/02/2006
- [Sub Domain configuration](#) for top level servers running FreeRadius
- [sample freeradius v2 config](#)

Access Point configs

- [Cisco 1200 series IOS Access Point install with WPA, TKIP and EAP for eduroam.](#)
- [Linksys WRT54G and WT54GS wireless router with WPA, TKIP and EAP for eduroam.](#)

Client configuration

- [Windows XP/Vista SecureW2 Client Install for Eduroam \(Scripted\)](#)
- This guide was developed using the [SecureW2 Admin Guide](#), and provides a complete configuration for the end user on install, prompting only for user/pass credentials. It also includes a guide to create an installer with all of the relevant files that institutions can host on their website for easy installation.
- [Installing a Root CA Certificate](#)
- Some vendors do not release specifications of the hardware or provide a linux driver for their wireless network cards. [This project implements Windows kernel API and NDIS \(Network Driver Interface Specification\) API within Linux kernel](#). A Windows driver for wireless network card is then linked to this implementation so that the driver runs natively, as though it is in Windows, without binary emulation.
- [Linux Network Manager eduroam client](#)
- [wpa_supplicant](#) is a WPA Supplicant for Linux, BSD and Windows with support for WPA and WPA2 (IEEE 802.11i / RSN). It is suitable for both desktop/laptop computers and embedded systems. Supplicant is the IEEE 802.1X/WPA component that is used in the client stations. It implements key negotiation with a WPA Authenticator and it controls the roaming and IEEE 802.11 authentication/association of the wlan driver.
- [Windows XP with SecureW2 client install with WPA, TKIP, EAP and PAP for eduroam.](#)
- [Installing secureW2 on windows mobile 2003 SE](#) (by Richard Vandervaal)
- [MacOS X eduroam client](#)

802.1x Tools

- [SecureW2](#) - Alfa & Ariss - SecureW2 for Windows platforms enables EAP-TTLS using the standard Microsoft IEEE 802.1X Client. [alternative sites for [downloads](#) and [binaries](#)]

Radius Tools

- [Free RADIUS](#) - A most excellent free radius server
- [RADIATOR](#) - A commercial RADIUS solution
- [Cisco ACS server](#) - A commercial RADIUS solution

Reference Guides

- [EAP-TTLS and FreeRADIUS setup guide](#) produced by Chi Nguyen of MAMS/MELCOE at Macquarie.
- [Interr-NREN Roaming Infrastructure and Service Support Cookbook](#) - Second Edition written by GEANT2 JRA5 working group (EU) - Aug 2007
- [Inter-NREN Roaming Infrastructure and Service Support Cookbook](#) - First Edition written by GEANT working group (EU)

Operations

- [Usage statistics](#)

Development work - links

- [IETF & eduroam](#) - slides presented by TF-Mobility group
- Design alternatives for the DAMe project: [A proposal for extending the eduroam infrastructure with authorization mechanisms](#)

Miscellaneous

[iPhone Issues](#)

[MacOS X Lion and iPhone configuration files for eduroam](#)