

Cronologia delle configurazioni eduroam CAT e relativa outer identity

Usare la data del giorno SUCCESSIVO a quando si apporta la modifica.

! = Installer non funzionante o malfunzionante

> = Installer attualmente in uso

last	outer id	date	changes
	anonymous20181025	2018 10 25	anonymous outer identity support
	anonymous20190528	2019 05 28	Built-in eap ttls support for win 8 and 8.1 instead of Geantlink (already enabled for windows10 and perhaps we use PEAP)
	anonymous20200923	2020 09 23	Dropped support for Android 4.4-6, Added Sectigo CA
	anonymous20201016	2020 10 16	Regenerated installer due to strange behaviour of CAT service
	anonymous20220310	2022 03 10	Hidden profile, Sectigo and Digicert CAs, Wi-Fi only (mainly for MacBooks without wired ethernet): no wired profile
	anonymous20220427	2022 04 27	Purged Digicert CA in order to avoid issues with old eduroamCAT Android app Géant info
	anonymous20220826w	2022 08 26	Hidden profile, Wi-Fi only (mainly for MacBooks without wired ethernet): no wired profile. Remove/Disable <i>eduroam-setup</i> SSID by default upon installation. Special outer identity for realm verification set to <i>CAT-verifica-realm</i>
!	anonymous20241128w	2024 11 28	Fixed CA chain adding intermediate CA USERTrust RSA Certification Authority
>	anonymous20241211w	2024 12 11	Fixed wrong intermediate CA USERTrust RSA Certification Authority not working on Windows 11
	anonymous20220826	2022 08 26	Remove/Disable <i>eduroam-setup</i> SSID by default upon installation. Special outer identity for realm verification set to <i>CAT-verifica-realm</i>
	anonymous20220916	2022 09 15	Resolved windows installer bug by CAT devs
!	anonymous20241128	2024 11 28	Fixed CA chain adding intermediate CA USERTrust RSA Certification Authority
>	anonymous20241211	2024 12 11	Fixed wrong intermediate CA USERTrust RSA Certification Authority not working on Windows 11

L'ultimo outer ID va configurato anche in

1. phobos: /var/www/connezzione/checkprofile.php per motivi di diagnostica utente.
2. in policy.d/filter.local server default per la schermata di errore (attualmente non in uso)

Profili collegati

Pagina	Note/Uso
Accesso autonomo alla rete cablata	
Suggerimenti per le group policies di dominio	SBA
Configurazione 802.1x cablato su PC non in dominio e SENZA una scheda di rete wireless	Fisica ed. F https://docu.units.it/dokuwiki/_media/connect:wired:802.1x:w10-nowifi:lan_prof.zip

CA multiple

Le CA multiple nei profili eduroamCAT sono supportate su Android dalla versione Android 7.0 “Nougat”

CA multiple per la gestione del CA rollover non sono supportate dall'app eduroamCAT per Android
[Géant info](#)

Controllo del CN

Android fino alla versione 7.0 “Nougat” compresa non verifica il CN del certificato su quello contenuto nel profilo.

Governance del progetto

https://github.com/GEANT/CAT/blob/release_2_1/tutorials/Governance%20and%20Code%20Quality%20Manifesto.md

Cosa	Code Base	Documentazione	Nome	email	Afferenza
Windows Installer			Tomasz Wolniewicz	twoln@umk.pl	Uniwersytet Mikołaja Kopernika
CAT					

Debug installer Windows

-DEBUG=4

Crittografia ellittica sui radius server

In /etc/ssl/openssl.cnf add:

```
[default_curves]
ec_curve = prime256v1
```

In /etc/freeradius/3.0/mycerts/openssl.cnf add:

```
[req]
default_bits = 256
default_keyfile = privkey.pem
default_md = sha256
default_key = ec
```

Commands to generate private key and certificate request:

```
openssl ecparam -genkey -name prime256v1 -noout -out ec_private.key
openssl req -config openssl.cnf -key ec_private.key -out harica.csr -new
```

References: <https://ieeexplore.ieee.org/abstract/document/1269719>

From:

<https://docu.units.it/dokuwiki/> - Area dei Servizi ICT - Documentation

Permanent link:

https://docu.units.it/dokuwiki/connect:wifi:cat_installers?rev=1738849326

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