

REANNZ LUNCH '19 – 12TH JUN 19

# EDUROAM UPDATE

BIG NUMBERS, NEW TOOLS, GLOBAL REACH

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REANNZ

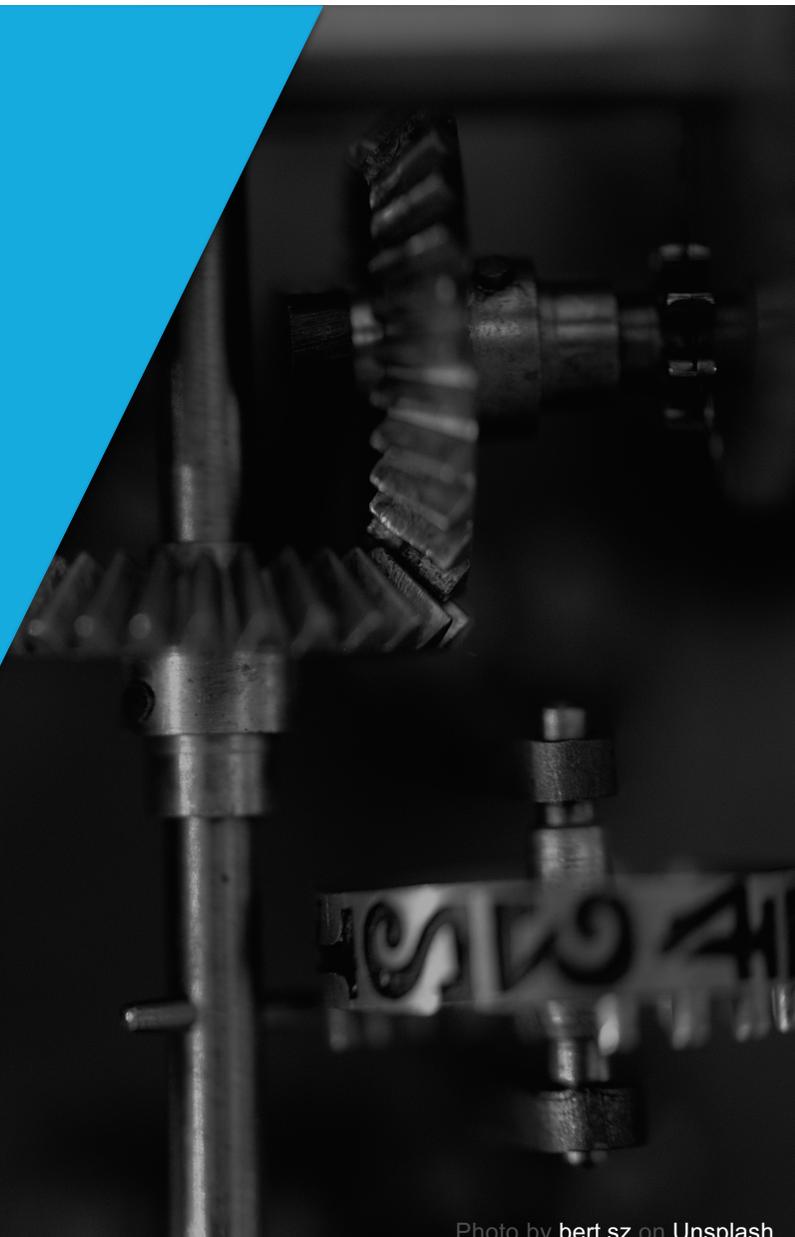


Photo by bert sz on Unsplash

## INTRODUCTION

# EDUROAM UPDATE



- It's "eduroam"
- Global Coverage
- Local Coverage And Statistics
- Deployment Suggestions
- eduroam Configuration Assistance Tool (CAT)
- eduroam Managed IdP
- eduroam Apps
- eduroam Mailing Lists And Future Communications

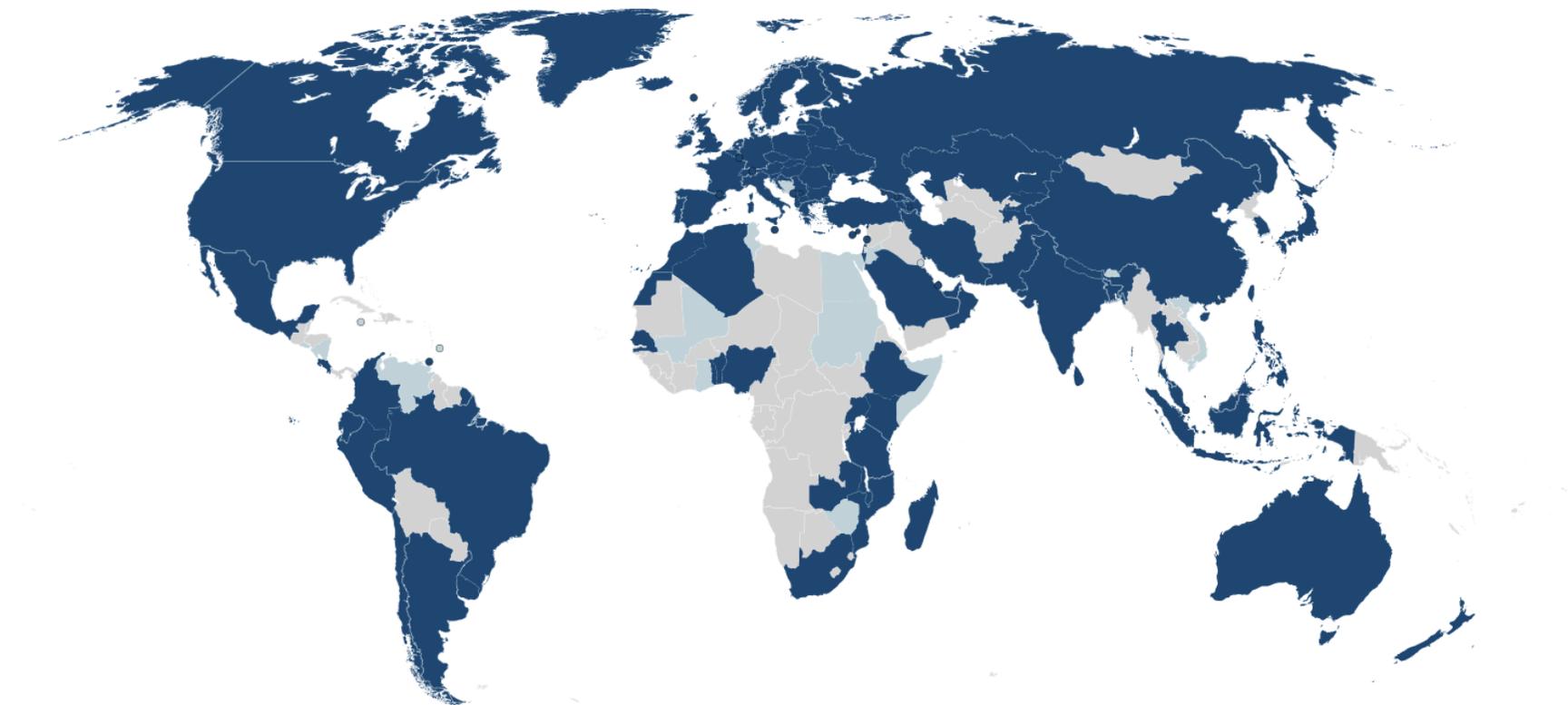
## INTRODUCTION

# TERMINOLOGY

- IdP : Identity Provider
- SP : Service Provider
- Realm : Your Canonical Name (example.ac.nz)
- NRO : National Roaming Operator (REANNZ)

GLOBAL COVERAGE

## HOW MANY COUNTRIES AND TERRITORIES?



## LOCAL COVERAGE

### WHERE IN NEW ZEALAND?

- <https://member.eduroam.net.nz> OR
- eduroam Companion



## LOCAL COVERAGE

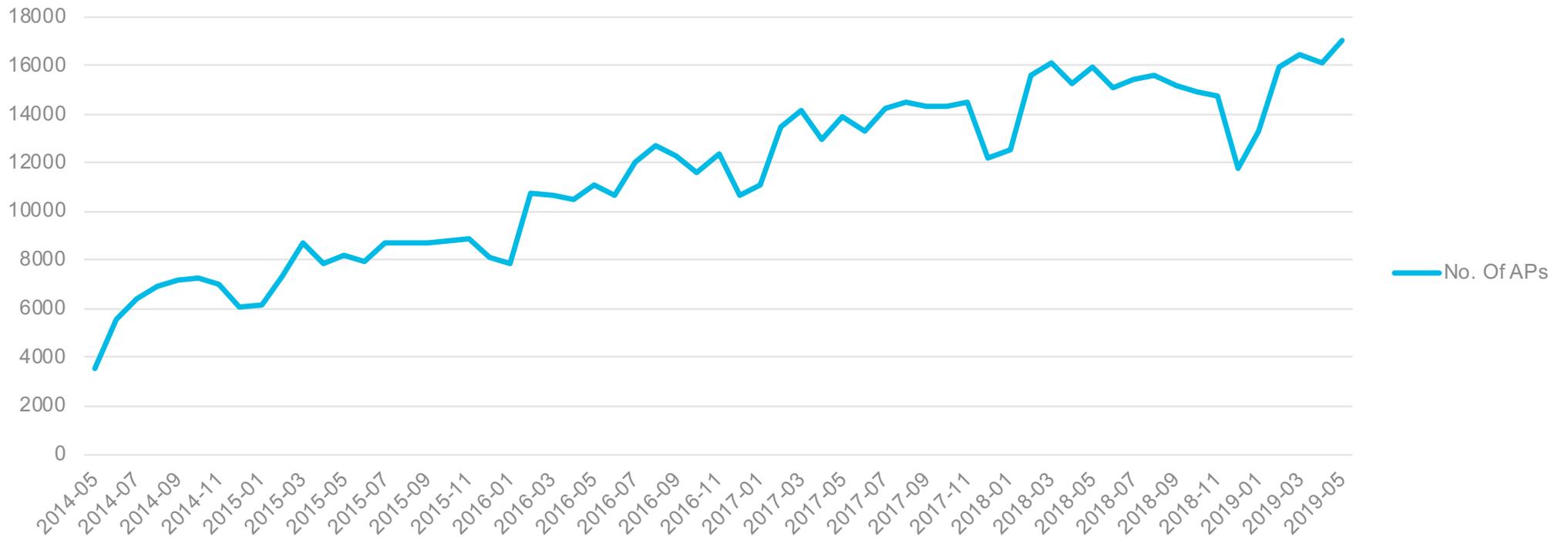
### WHO IN NEW ZEALAND

- Universities : 7
- Crown Research Institutes : 5
- Institutes Of Technology, Polytechnics And Wānanga : 7
- Education Sector : 4
- Innovation : 4
- SP : 3
- **TOTAL : 30**

## LOCAL STATISTICS

# NUMBER OF ACCESS POINTS

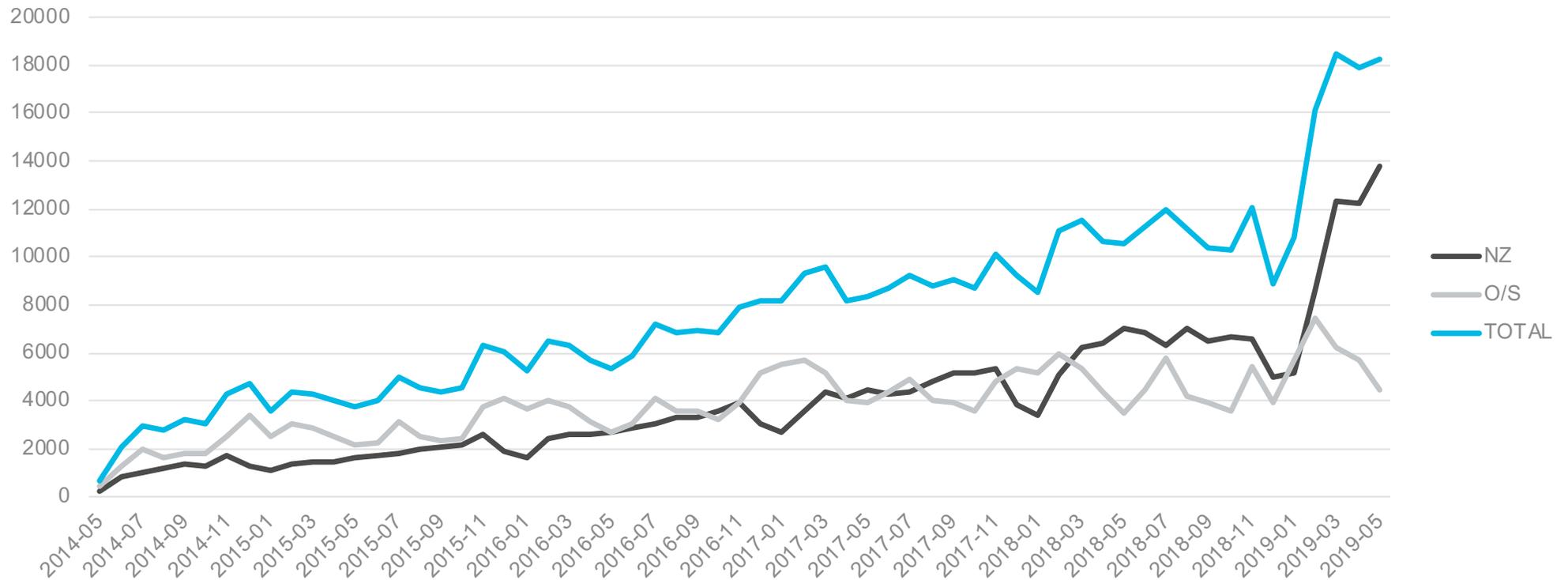
Monthly Count Of Unique APs On New Zealand eduroam Network



## LOCAL STATISTICS

# NUMBER OF DEVICES CONNECTING TO EDUROAM

Monthly Count Of Devices Connecting On New Zealand eduroam Network



# LOCAL STATISTICS

## MEMBER STATISTICS - REANNZ

eduroam RNZ member  
Report for members - REANNZ

Last 3 months ▾

Total Unique Visitors 5m ago

**846**

Total Unique Domains 5m ago

**172**

Unique Visitors Over Time 5m ago

Top Visitor Domains 5m ago

User Domain	Unique Devices
tec.govt.nz	161
student.weltec.ac.nz	145
whitirelia.ac.nz	71
waikato.ac.nz	36
auckland.ac.nz	35
vuw.ac.nz	29
esr.cri.nz	19
otago.ac.nz	17
whitirelia.ac.nz	17
canterbury.ac.nz	15

Total Unique Travellers 5m ago

**226**

Total Unique Sites\* 5m ago

**27**

Unique Travellers Over Time 5m ago

Top Traveller Sites 5m ago

SITE	Unique Devices
Citylink	76
Victoria University of Wellington	59
w2square	54
Manaaki Whenua Landcare Research	49
Tertiary Education Commission	48
NZQA	26
Otago Polytechnic	24
Overseas	19
University of Otago	19
University of Waikato	17

## DEPLOYMENT SUGGESTIONS

### DO YOU NEED THAT SSID?

Welcome To The University Of Example, Please Select An SSID

- UOE\_Guest
- UOE\_Staff
- UOE\_Students

## DEPLOYMENT SUGGESTIONS

### DO YOU NEED THAT SSID?

Welcome To The University Of Example, Please Select An SSID

- UOE\_Guest
- UOE\_Staff
- UOE\_Staff\_Academic
- UOE\_Staff\_Visiting
- UOE\_Students\_Undergraduate
- UOE\_Students\_Postgraduate

## DEPLOYMENT SUGGESTIONS

# HAVE YOU CONSIDERED EDUROAM EVERYWHERE?

Welcome To The University Of Example, Please Select An SSID

- eduroam
- UOE\_Guest

## EDUROAM CONFIGURATION ASSISTANT TOOL (CAT)

### WHAT IS IT? WHO NEEDS IT?

*“It’s a tool to streamline the enrolment of users into eduroam”*

*“Any institution or user can benefit from using CAT”*

## EDUROAM CONFIGURATION ASSISTANT TOOL (CAT)

### HOW DOES IT WORK?

- Built by GÉANT, Available To The R&E Community Via Your NRO
- You Configure Your Institutional Settings
- Either
  - Your users download signed eduroam settings appropriate for their device OR
  - Your ITS team install the configuration as part of a build process
- Certificates Automatically Installed To Improve Security

## EDUROAM CONFIGURATION ASSISTANT TOOL (CAT)

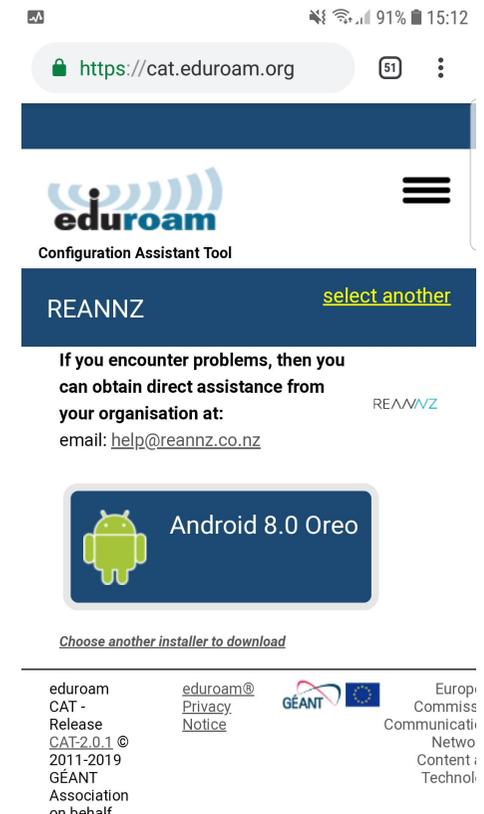
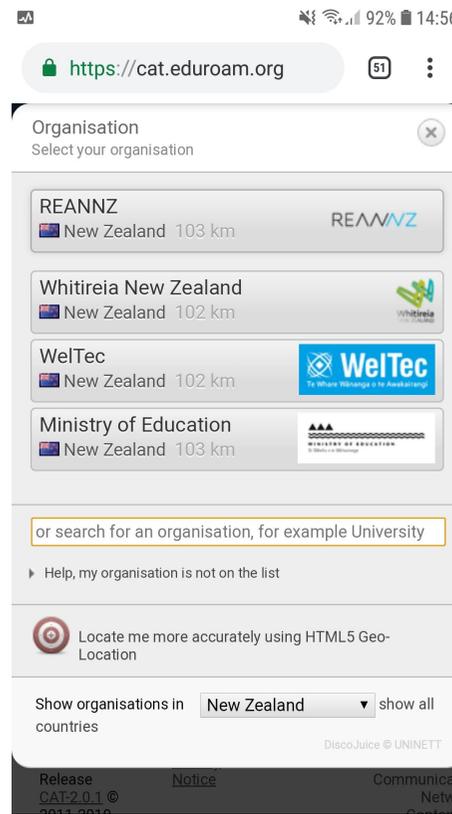
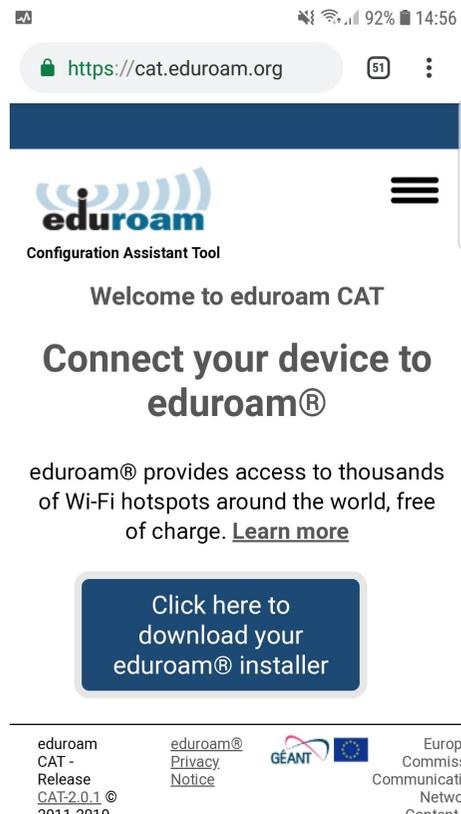
### WHAT OPTIONS DOES IT OFFER

It Should Support Almost Any Use Case

- Multiple Realms
- Multiple SSIDs
- Helper SSIDs / Self Service Captive Portals
- Anonymous Outer Identity
- Error Checking Of User Entered Fields
- Helpdesk Contacts
- Wired Ethernet

# EDUROAM CONFIGURATION ASSISTANT TOOL (CAT)

## WHAT IS THE USER EXPERIENCE LIKE?



## EDUROAM CONFIGURATION ASSISTANT TOOL (CAT)

### HOW DO I GET STARTED?



## EDUROAM MANAGED IDP

### WHAT IS IT? WHO NEEDS IT?

*“a managed eduroam IdP As A Service to enable smaller member organisations to benefit from eduroam”*

*“any member organisation who lacks the technical or infrastructure capability to manage their own eduroam IdP”*

## EDUROAM MANAGED IDP

### HOW DOES IT WORK?

- Provided To The R&E Community By GÉANT Via Your NRO
- Server Infrastructure Hosted And Managed By GÉANT
- User Management By Institution
- Limit Of 200 Users Per Institution
- Limit Of 10,000 Per Country
- No Integration With External Sources Of Truth

## EDUROAM MANAGED IDP

### HOW DO I GET STARTED?

- Contact REANNZ
- Configure Your IdP
- Upload Users By .CSV
- Deploy Via eduroam CAT

## EDUROAM APPLICATIONS

### AVAILABLE FROM YOUR APPS STORE

#### eduroam Companion

- Shows Closest eduroam AP
- Available For Android / IOS

#### eduroam CAT

- Helper Application To Install CAT Configurations Onto Android
- Only Required For Android

## EDUROAM COMMUNICATIONS

### MAILING LISTS / NEWSLETTER

#### Two Existing Mailing Lists

- eduroam-announcements
- eduroam-operators
- Not in use. Useful?

Do You Receive The REANNZ Newsletter?

THE END

QUESTIONS?

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Photo by [bert sz](#) on [Unsplash](#)



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