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# Enabling authentication at global scale: an update on REANNZ services

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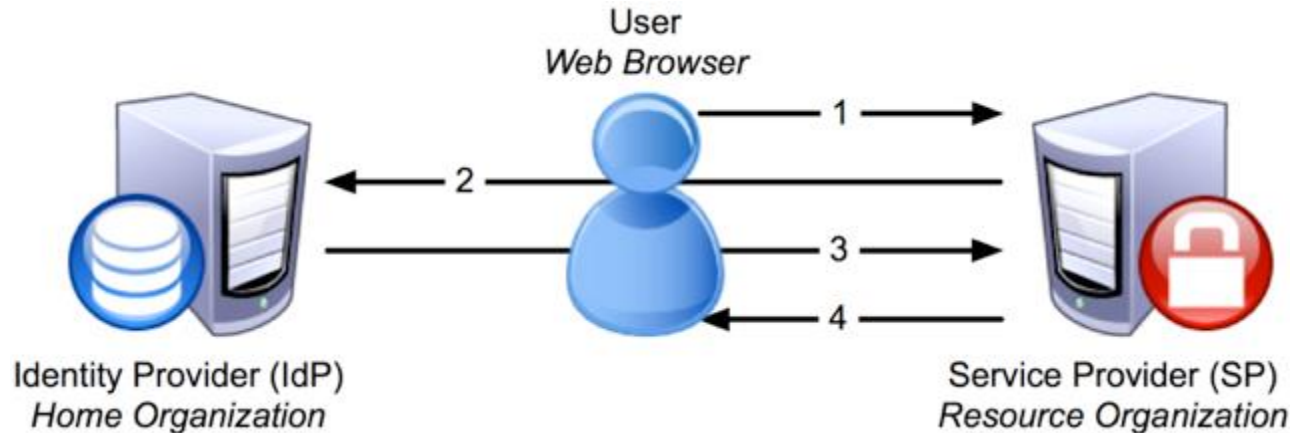
REANNZ



## Tuakiri Brief Overview

### Identity Management Federation for NZ R&E Sector

- IdPs: all NZ Universities and CRIs
- SPs: portfolio of 70+ services



# Tuakiri: slide demo

[Home](#)[FAQ](#)[Manage](#)

## Login

REANVZ  
TUAKIRI  
Tuakiri



REANVZ  
TUAKIRI

[About](#)[Support](#)

### Select your Home Organisation

The service 'eduroam' at host 'member.eduroam.net.nz' you are trying to access requires that you authenticate with your home organisation.

#### Select from the list:

##### Federation

Tuakiri New Zealand Access Federation  
All Sites

##### Organisation

AgResearch  
AUT University  
ESR  
Landcare Research  
Lincoln University  
Massey University  
NIWA  
Plant and Food Research  
Scion  
The University of Auckland  
The University of Waikato  
**Tuakiri Virtual Home**  
University of Canterbury  
University of Otago  
Victoria University of Wellington

☐ Remember for a month

☐ Redirect me in the future without asking me again.

Select



### eduGAIN interfederation service

- Connects almost 70 federations around the world
- Tuakiri joined (on paper) in Nov 2013
  - ... and started exchanging metadata in Oct 2019
- So far, 2 IdPs and 0 SPs exported
  - Please talk to us to get in!
- Importing 3175 IdPs and 355 SPs (out of 2625)
  - policy-based default import
  - manual import on request

## eduGAIN: How to Join as IdP

- Sign the **Connect to eduGAIN** form
- Run up-to-date IdP software (3.4.6)
- Declare SIRTFI
  - Security contact details
  - Cooperate on incident resolution
- Support Research-and-scholarship services
  - Release core attributes to R&S services
- Technical steps at IdP:
  - Load eduGAIN metadata
  - Configure attribute release
- Instructions at  
<https://tuakiri.ac.nz/confluence/display/Tuakiri/eduGAIN+resources>

# Coming up: eduGAIN: how to join as SP

- Now inviting IdPs to opt into eduGAIN
- SPs will be invited soon
- Talk to us if you have a service you'd like to connect to eduGAIN
- Discovery Service upgrade coming soon

New ZealandInternational

Search for your organisation

A. T. Still University

AAF Virtual Home

aai.lab.maeen.sa

AAI@EduHr Single Sign-On Service

Aalborg University

Aalto University


Aarhus School of Marine and Technical Engineering

Aarhus University

Abertay University

Continue to your organisation

☐ Remember my organisationKeyboard shortcuts

 Australian Access Federation

[Current AAF status](#)  
[Contact AAF support](#)

... and next: eduroam update

# Any burning questions about Tuakiri?

## eduroam overview

eduroam: global service for easy and secure network access

- mostly WiFi, but can also be wired network
- 802.1x authentication to home institution
- often deployed as the only SSID
- REANNZ operates eduroam for NZ



# eduroam CAT 2.0

## Configuration Assistant Tool (CAT) 2.0

- Creates easy to deploy configuration profiles
  - .... so that users don't have to create the profile manually
  - Improve security:
    - set CA cert + hostname to expect in certificate CN
    - and configure anonymous outer identity
  - Multiple reams, multiple SSIDs
  - Error-checking user-entered fields
- Profiles created for range of devices
  - Win, OSX, iOS, Android, ...
- Properly signed, easy to roll out with configuration management tools
- And download links for users to self-provision

## eduroam Hosted IdP

- Managed eduroam IdP As A Service
  - Provided to R&E community by GEANT
- For small institutions
  - avoid having to manage own eduroam IdP
  - max 200 users (but multiple devices per user)
- Each device gets separate credentials
  - X509 certs, no username/passwords involved

## eduroam Hosted IdP: Getting started

- Talk to a friendly REANNZ staff member
  - Or just email [engagement@reannz.co.nz](mailto:engagement@reannz.co.nz)
- Configure your IdP
- Upload CSV with list of users
- Deploy via eduroam CAT

## eduroam Applications

### eduroam Companion

- Shows Closest eduroam AP
- Available For Android / IOS

### eduroam CAT

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

# The End

# Questions?