Platform Architecture

- **LDAP Mode**
  - University Network
    - LDAP Directory

- **Virtual Mode**
  - Virtual User Management
    - AAF Database

- **Enterprise Identity Solution**
Key features

• Designed for high availability
  • Cattle not pets
  • Automatic certificate generation and renewal
  • Deployment review system stops broken configuration
  • Auto-scales to meet demand
  • Load balanced across multiple availability zones

• Security
  • Dedicated VMs for each customer
  • Leverages AWS capabilities — WAF, DDoS protection, etc
  • Regular 3rd party penetration testing

• Zero downtime migration / rollback (blue green deployment)

• Attractive WCAG 2.1 compliant UI branding in under 5 minutes
TNC Session:
Running a cloud identity provider platform — technology is the easy part

• Wednesday 23 June
• 10:00 (CEST)
• Presentation Room D
Affiliation verification service

Proven technical and commercial model

3 MILLION verifications

Federations should implement an affiliation verification service
TNC Session:

Experiments in federation sustainability (Jisc & AAF)

• Wednesday 23 June
• 11:40 am (CEST)
• Demonstration Track
Community Engagement

National

• Identity & Access Management Community of Practice
• Australian Higher Education Cybersecurity Service (AHECS)
• ORCID Consortium Lead
Community Engagement

International

• REFEDS Steering Committee
• Schema Board
• eduGAIN Steering Committee
• eduGAIN Security Working Group
• iFIRE Project Lead
• APAN Identity & Access Management Taskforce
Operational Improvements

• Business Continuity Planning (BCP)
• Information Security Management System (ISMS)
• Canary
• Rebuild core tooling
AWS
Research graph illustrating collaboration between countries on COVID-19 research

eduPersonOrcid attribute

ORCiD Member Portal release
Projects

Australian BioCommons
• Community AAI pilot
• Human Genome Informatics Initiative (cancer research dataset sharing)

Coordinated Access for Data, Researchers and Environments (CADRE)
• Research data platform (5 Safes framework)
• Improve identity assurance and authentication

Find out more: https://ardc.edu.au/project/coordinated-access-for-data-researchers-and-environments-cadre/
Challenges

• Labour supply
  • Tech Team plundered by recruiters
  • Major recruiting challenges
  • Long onramp time

• Space for strategic reflection