# 3 New Services Streamlining Access to eResearch Capabilities

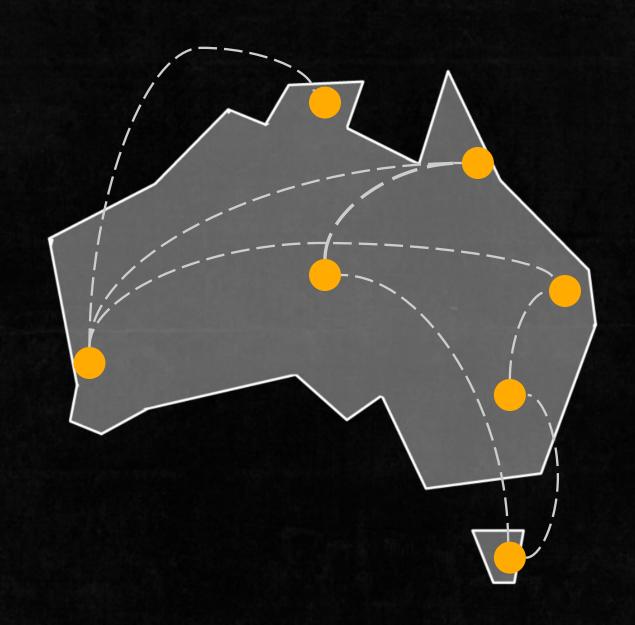
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Manager, Strategic Initiatives & Managed Services





(EDUcation Global Authentication INfrastructure)















Australian National University



















## **Growing International Community**



55 federations



**Identity Providers: 2883** 

**Service Providers: 2195** 

- 195 Research & Scholarship services already available
- Other services added by request

See technical.edugain.org/entities



#### eduGAIN Benefits

#### **Service Providers**

- One integration
- Thousands of potential users
- Extend the reach of research infrastructure
- Reduce cost and complexity

#### **Identity Providers**

- Easier access to international services
- Simplifies international collaboration



## Connecting to eduGAIN

Use latest software

Technical config

Research & Scholarship

Security

- metadata
- attribute request / release
- discovery

SIRTFI



#### **Find Out More**



aaf.edu.au/edugain

## FAST | EASY | MANAGED CONNECTION





#### **Benefits**

- Release your IdM staff for more important work
- Feature updates and security patches
- eduGAIN-ready
- High availability
- Reduce infrastructure
- Security designed in from the beginning
- Faster deployment of new IdPs
- Lowers entry barriers for smaller organisations



#### **On-Premise Cost Factors**

- Staffing
- Servers
- Storage
- Backup
- Load balancer costs
- Data centre costs
- Monitoring costs

- Governance
- Security
- Compliance
- Disaster recovery
- Testing
- Change management / stakeholder comms



## **Find Out More**



aaf.edu.au/rapid





#### **AAF Central**

- A major step toward a multi-protocol federation
  - Support for applications using Open ID Connect (OIDC)
  - Design can accommodate other authentication protocols



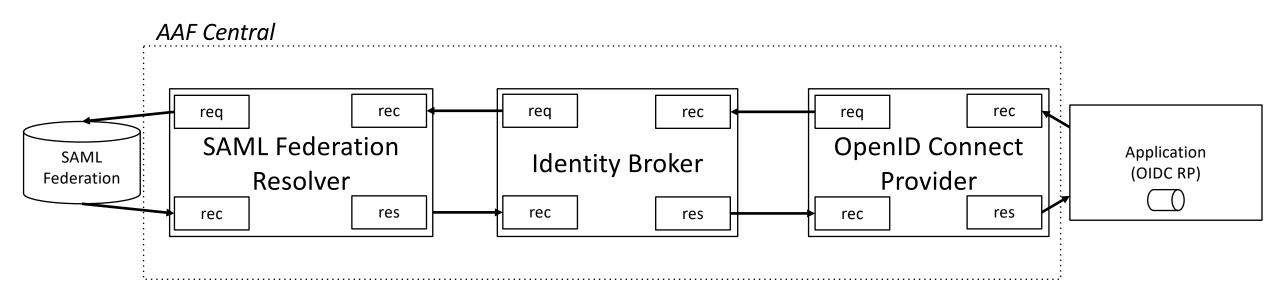


# Why OIDC?

- Developing with OIDC / OAuth2 is simpler than SAML
  - Add your preferred OIDC library to your development environment
  - No need to deploy servers or run Shibboleth service provider software
- Easier to find experienced developers
  - OIDC / OAuth2 is widely used to integrate with Google, Facebook and cloud services
- Not just web-based authentication
  - API access
  - Mobile applications



## How does it work?



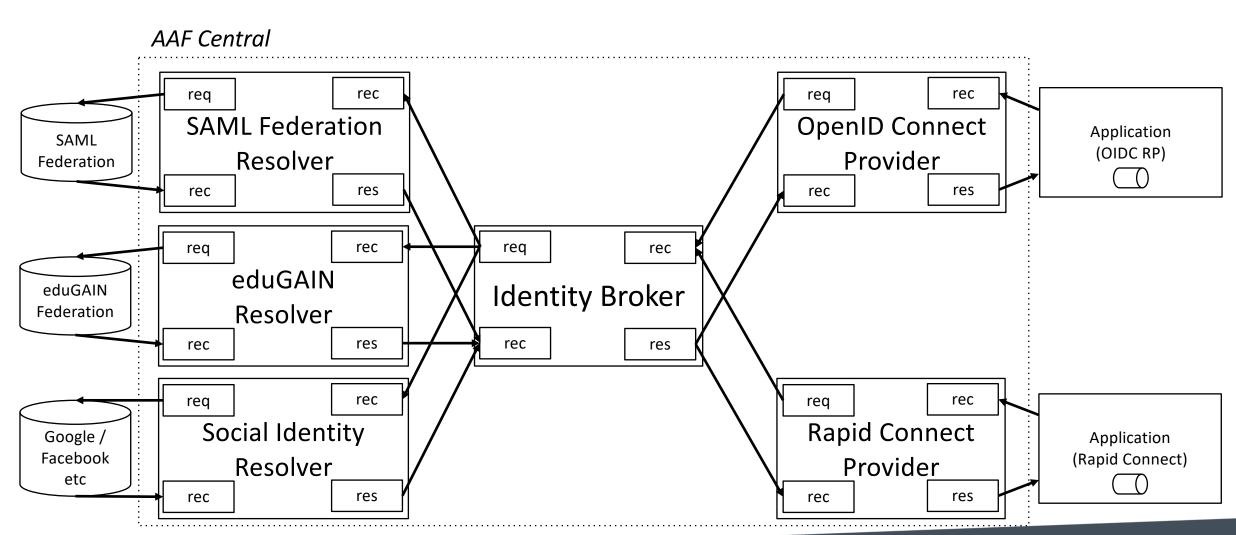


#### **Current State**

- Available now as a pre-production service
  - Passes OIDC conformance tests
  - Peer-reviewed and load tested
  - Manual connection for now
  - No eduGAIN support use SAML if you want to expose your service to international partners
- Reasonable coverage of OIDC specification
- 3 services in production
  - ecocloud.org.au
  - Store.Monash
  - TERN
- 13 services in test



# Utopia



#### **Find Out More**



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