3 New Services Streamlining Access to eResearch Capabilities

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(EDUcation Global Authentication INfrastructure)
Growing International Community

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
  - metadata
  - attribute request / release
  - discovery
- Research & Scholarship
- Security
  - SRTFI
Find Out More

aaf.edu.au/edugain
FAST | EASY | MANAGED CONNECTION

Rapid Identity Provider

powered by AAF
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

Rapid Identity Provider
powered by AAF

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?

AAF Central

SAML Federation Resolver

Identity Broker

OpenID Connect Provider

Application (OIDC RP)
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
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