Australian Access Federation

*Invitation to Participate*

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What is AAF?

- Trusted transparent Framework for collaboration
- Facilitate the access of electronic resources and sharing of electronic information between institutions of higher education and research in Australia and other organizations worldwide
  - Example of resources:
    - Data collections and data grids;
    - Scientific instruments, modelling and visualisation tools, and computing resources;
    - Collaboration environments and workspaces for virtual teams;
    - Scholarly resources and publications;
    - eLearning resources and learning object collections;
    - National higher education and research administrative systems.

What is AAF?

- Uses two technologies to implement the infrastructure
  - Public key Infrastructure (PKI) and Shibboleth
    - Uses PKI to increase non-repudiation, integrity and confidentiality of information shared
    - Uses PKI certificates to encrypt the communications between service providers and identity providers implemented using Shibboleth
    - Allow for the use of digital signatures on email and electronic documents
    - Allow for encryption of email and electronic documents
    - Allow for strong authentication mechanisms
    - Allow for server certificates issued through the AAF
      - Eliminating the need to purchase these certificates from commercial providers
      - Allow for federating access management among services within the institution.
AAF example of use

Accessing AAF Grid Working Group wiki page

https://wiki.esecurity.edu.au/display/aafgridwg/AAF+and+Compute+Grid%2C+Data+Grid+and+HPC
AAF example of use

Level 2 WAYF: Please select an identity provider

In order to fulfill the request for a web resource you have just attempted to access, information must be obtained from your identity provider. Please select the provider with which you are affiliated.

Choose from a list:
- AAFNet Pty Ltd
- ANU Research
- Australian National University
- Curtin University of Technology
- Macquarie University
- NICTA
- NICTA
- Murdoch University
- Monash University
- University of Melbourne
- Queensland University of Technology
- The University of Sydney
- University of South Australia
- University of Technology, Sydney
- University of Western Australia
- VARS QlikID

or

Search by keyword:

Need assistance? Email to research@e-rods.org.au with description.

MAMS
META ACCESS MANAGEMENT SYSTEM
AAF example of use

Identity Provider

WAYF

Service Provider

1. Request Service

2

3

4

5

AAF example of use
AAF example of use

Identity Provider

WAYF

Service Provider

1 Request Service

2 WAYF

3 Request Service

4 Identity Provider

5 Request Service

6 Service Provider
AAF example of use

Identity Provider

User is authorised to use service.

9 Send attributes

Request attributes

Service Provider

10 Deliver Service
Who can participate?

- Australian universities and research institutions

- International CAUDIT members (NZ, Fiji, PNG)

- External Service providers
  - Commercial or Government organisations providing services to the sector.
  - i.e. publisher or content provider

- Schools and VET federation interested in peering with AAF
International partners

• Federations and Certification Authorities
  – Ensure alignment of AAF policies with international standards and developments

When can I join AAF?

• Phased approach to deploy the federation
  – Release 1 – Core Infrastructure
  – Release 2 – Additional Services Infrastructure

• Production early 2008!

• Join AAF PKI and Shibboleth testbed federation to be ready for AAF

• Early integration of institution’s services using the AAF PKI and Shibboleth testbed federation information and support
  – Installation and configuration guidelines for IdP and SP
  – Certificate Management Systems capability study and evaluation
  – Training and workshops
How do institutions get ready for AAF?

• Answering the AAF auEduperson Survey
  – Providing feedback on your readiness and willingness to comply with the proposed Common Attribute Schema Policy
  – http://www.aaf.edu.au/casp

• Assessing its current ability to manage identities and determine the authoritative source of identity information for the institution

How do institutions get ready for AAF?

• Deciding on its involvement in the federation
  – Identity Provider, Service Provider, Certification Authority, Registration Authority.

• Identifying the services or resources at the institution to make available to the federation community.
How do institutions get ready for AAF?

• Taking advantage of the Australian Access Federation’s workshops and presentations to become familiar with the policies and technologies and how they are managed at the institutional level.
  – http://wiki.esecurity.edu.au
  – http://www.aaf.edu.au

• Determining which identity services it would like to manage locally and which it would like the Australian Access Federation to manage on its behalf.
  – i.e. Certification Authority

How do I find out more?

• Attend Conferences/Workshops

• Visit www.aaf.edu.au
  – Wiki (http://wiki.esecurity.edu.au/)
  – http://mams.melcoe.mq.edu.au

• Drop your business card at the AusCERT stand to be added to the AAF announcement mailing list, or

• Email aaf@aaf.edu.au to be added to the ML
Thank you!

Questions