

# Australian Access Federation

## *Invitation to Participate*

Viviani Paz, AAF Project Manager  
AusCERT



An Australian Government Initiative  
Backing Australia's Ability



australian access  
federation

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## Content



australian access  
federation

- What is AAF?
- Example of use
- Who can participate?
- When can I join?
- How do institutions get ready for AAF?
- How do I get more information?



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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.



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## 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.



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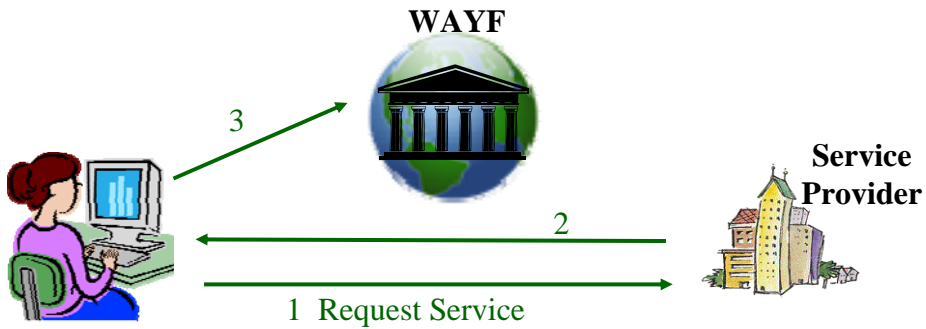
## AAF example of use

### Accessing AAF Grid Working Group wiki page

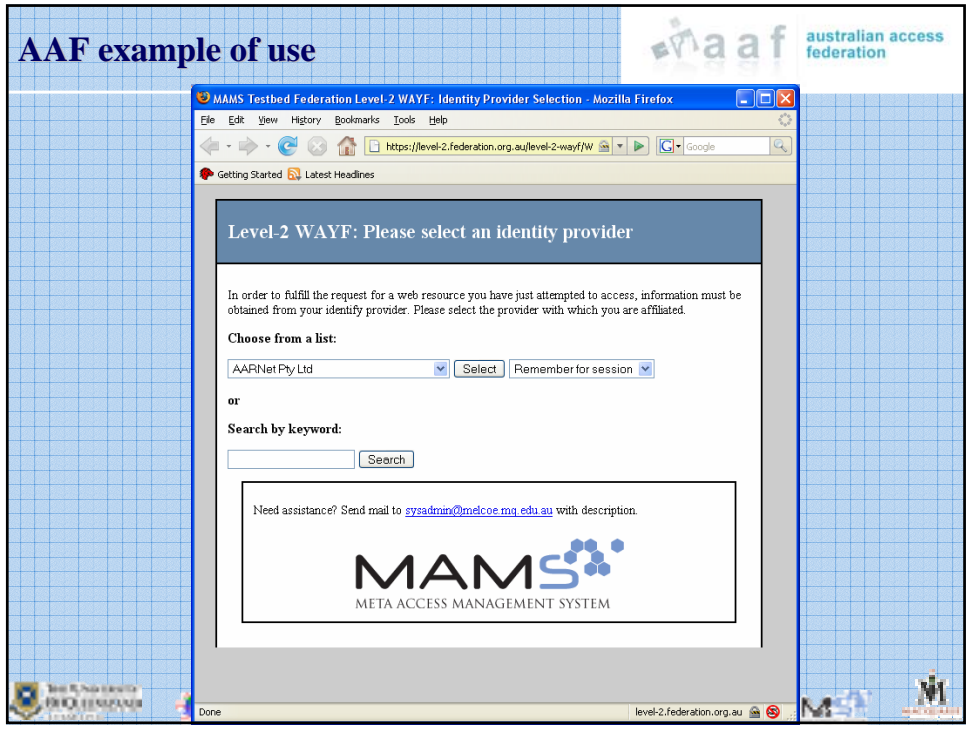
<https://wiki.esecurity.edu.au/display/aafgridwg/AAF+and+Compute+Grid%2C+Data+Grid+and+HPC>



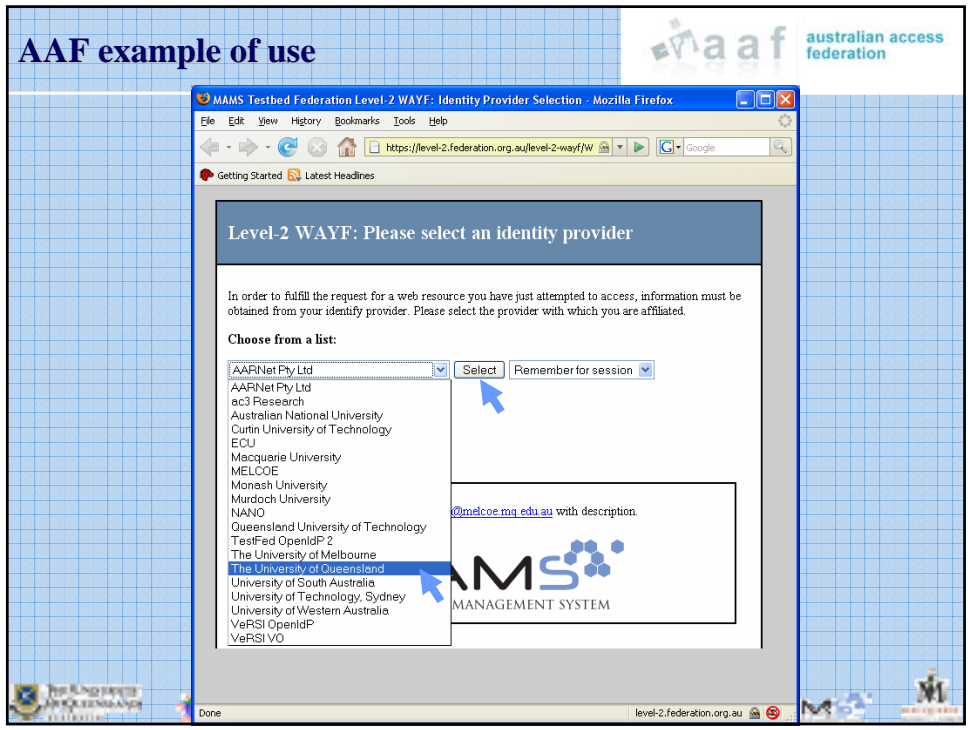
## AAF example of use



# AAF example of use



# AAF example of use



# AAF example of use

**Identity Provider**



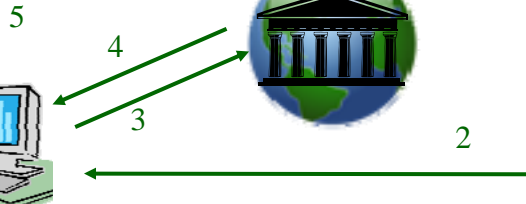
**WAYF**



**Service Provider**



1 Request Service



# AAF example of use

The University of Queensland, Australia - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://idp.uq.edu.au/shibboleth-idp/SSO?target=cooker@shire=htz

Getting Started Latest Headlines

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

UQ HOME SEARCH CONTACTS STUDY NEWS EVENTS MAPS LIBRARY my UQ

Shibboleth Federated Login

All of UQ Enter keywords Search

**One**  
username & password

Username:   
Password:  Sign In

**UQ Sign In:**

- UQ Sign In website
- What is my UQ Sign In username and password?
- What is Shibboleth?
- More information about Shibboleth?

**ESSENTIALS**

- I forgot my password
- Change my password
- FAQs

**QUICK LINKS**

- my UQ
- my8-net

**What is my UQ Sign In?**  
Verify now in 2 Steps

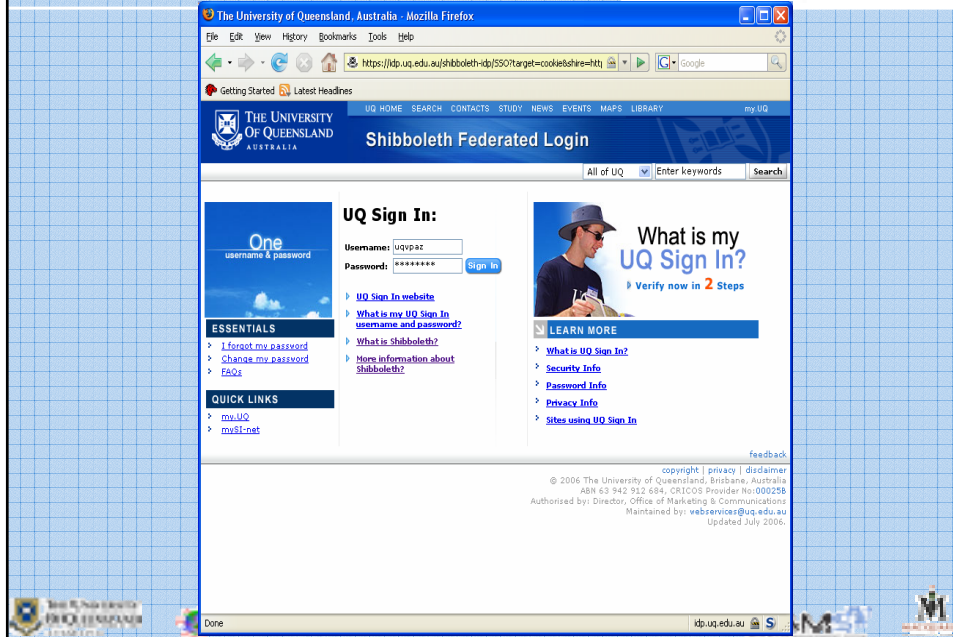
**LEARN MORE**

- What is UQ Sign In?
- Security Info
- Password Info
- Privacy Info
- Sites using UQ Sign In

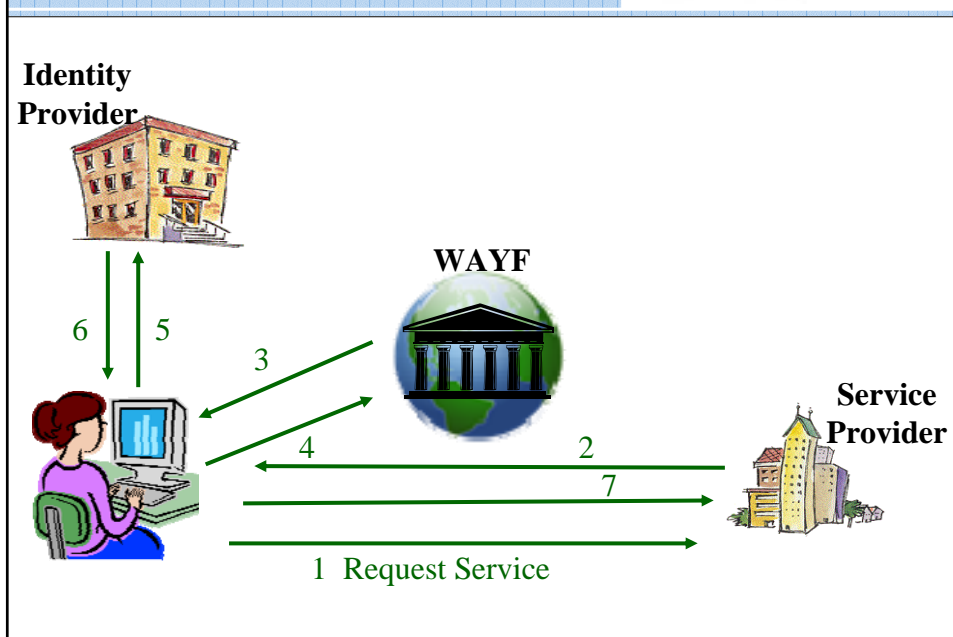
feedback

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ISBN 63 942 932 484 - CRICOS Provider No 00025B  
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Maintained by: veb@services@uq.edu.au  
Updated July 2006

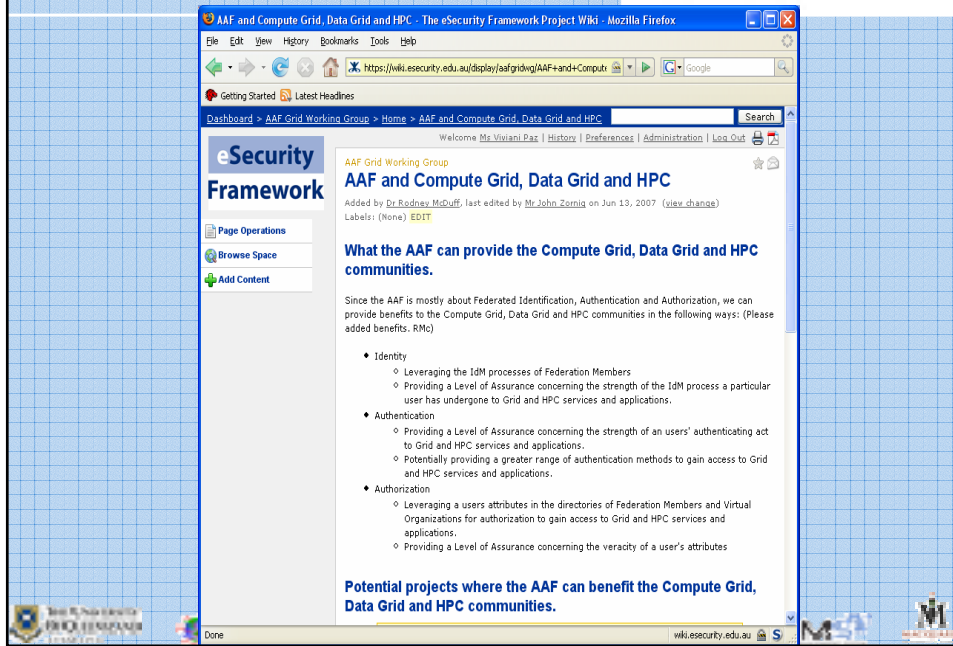
# AAF example of use



# AAF example of use

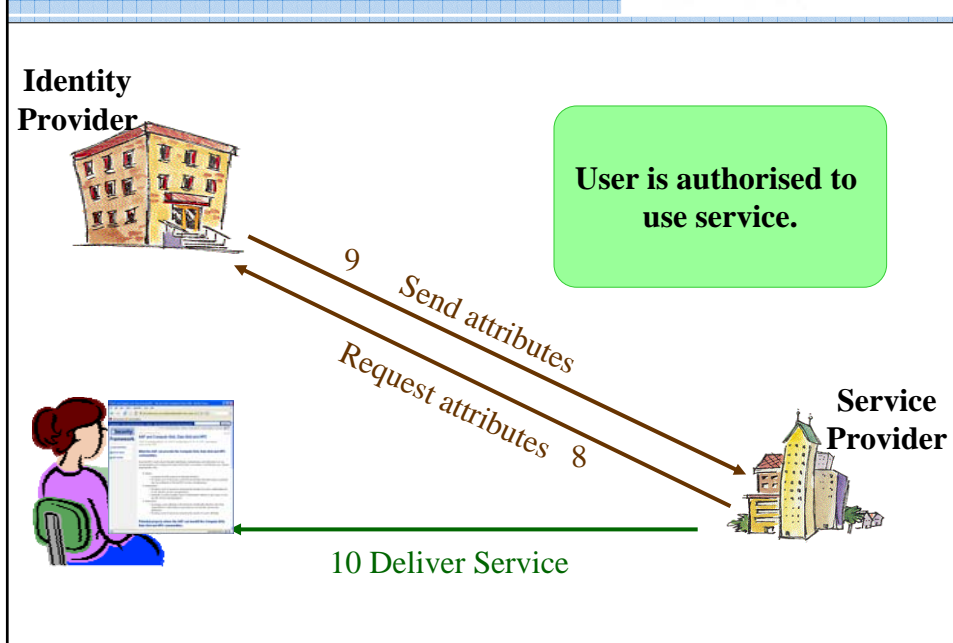


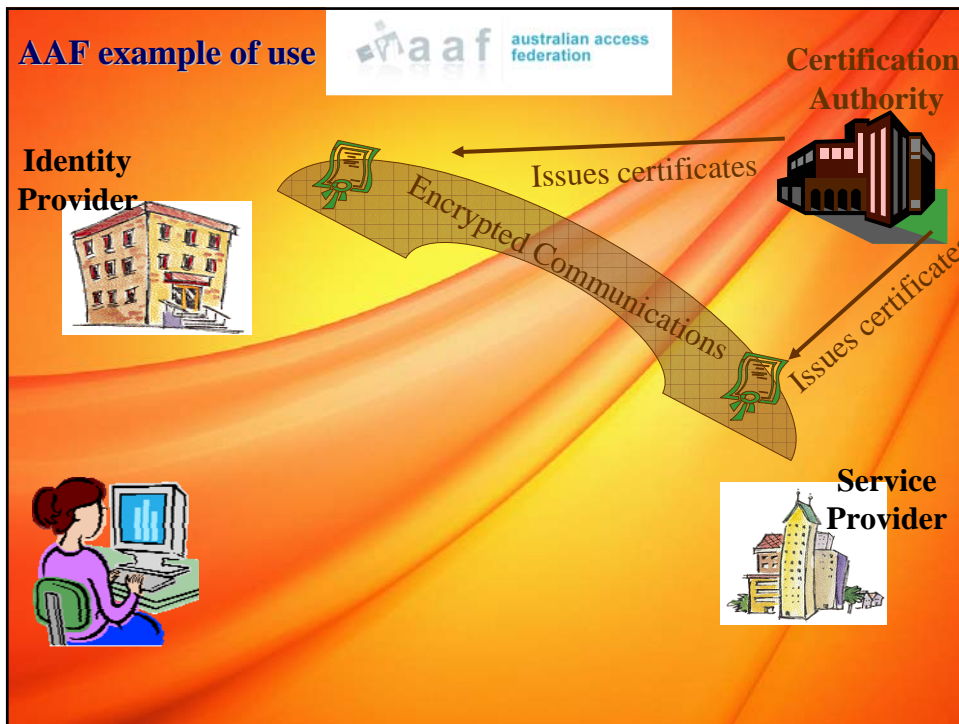
# AAF example of use



The screenshot shows a Mozilla Firefox browser window displaying a Wiki page. The page title is "AAF and Compute Grid, Data Grid and HPC". The content includes a section titled "What the AAF can provide the Compute Grid, Data Grid and HPC communities." followed by a list of benefits under three categories: Identity, Authentication, and Authorization. The Identity section lists leveraging IDM processes and providing assurance. The Authentication section lists providing assurance and potentially more authentication methods. The Authorization section lists leveraging user attributes and providing assurance of veracity.

# AAF example of use





**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

A collage of images is positioned to the right of the list, featuring a globe, a galaxy, and colorful abstract shapes.

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## 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



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## 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.



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## 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



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## How do I find out more?



- Attend Conferences/Workshops
- Visit [www.aaf.edu.au](http://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](mailto:aaf@aaf.edu.au) to be added to the ML



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# Thank you!



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