

THE LAST 12 MONTHS!



FROM JUNE 2009 TO END OF 2010:

• \$2 Million DIISR Funding – 8 Key areas



- MAMS Testbed Migration \$150,000
- Technical resources to assist organisations to join the AAF \$300,000
- Marketing and Communication \$250,000
- Mini-grant program \$455,000
- <u>CAUDIT support</u> \$150,000
- AAF Inc Operations \$400,000
- <u>Foundation Members Support</u> \$150,000
- Advanced Technical Developments 145,000
- Focus on significantly accelerating the implementation of the AAF = Plateau of Productivity

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AAF PROJECT STAFF



Project Manager Heath Marks Griffith University

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Change & Communication

Manager

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Technical Specialist Bradley Beddoes QUT

Technical Support Damien Mannix VeRSI

Technical Support Stuart Allen Intersect

MAMS Migration Bruc Liong Macquarie University







AFFILIATE PARTICIPANTS



NetSpot Hosted Moodle and Mahara solutions in the cloud

Pebble Learning Hosted e-Portfolio solution in the cloud

RMIT Publishing Informit on-line service for Australian scholarly publications

TALIS Information Talis Aspire – A reading list solution

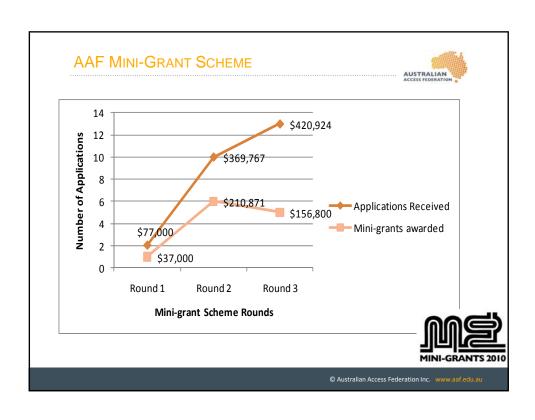
Evolving Spaces (Vic) Trobexis – A travel portal

Dotsec Pty Ltd Hosted IdP for Queensland Health access to clinician databases

Masaryk University Atlas of pathology images (clinical, macroscopic and microscopic)

BigPulse Hosted voting solution in the cloud





AAF MINI-GRANT SCHEME



Phenomics Ontology Driven Data repository (PODD) supporting international biological research— AAF Enablement: University of Queensland (UQ) \$35,217

University IT Benchmarking System containing profile data including major systems in use and benchmarking data: University of South Australia (UniSA) \$20,000

Federating Access to AusStage to increase the number of researchers actively contributing data for the Australian Performing Arts: Flinders University \$40,000

Authenticated Annotation Services for E-Research (AASER) which will provide end users with the ability to securely attach annotations to virtually any web page: University of Queensland (UQ) \$39,700

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AAF MINI-GRANT SCHEME



Enhancing Access to ARCS' Nimrod Service which manages the execution of parameter sweeps, optimisation and experiment design across clusters and grids: Monash University \$40,000

TPAC digital Portal AAF Implementation to provide greater access to heterogeneous and geographically distributed ocean and climate datasets: Tasmanian Partnership for Advanced Computing \$40,000

Advanced Integration for auto provisioning integration tools with Blackboard: Queensland University of Technology (QUT) \$39,600

AAF Enable AuScope Grid Portal Infrastructure: CSIRO \$37,000

Informit on-line resource for Australian scholarly publications - removing the need for easyprozy: RMIT Publishing \$36,000



AAF MINI-GRANT SCHEME



Connect telescope-net to the AAF to improve the user experience and streamline processes with a view to expanding the service to other Australian universities: The University of Southern Queensland (USQ) and Automated Patrol Telescopes Australia Pty Ltd \$37,500

Labshare Federated Access Project to create a nationally shared network of remote laboratories using the AAF to assist in identification and authorisation of students: University of Technology, Sydney (UTS) \$30,000

Providing access to the Sakai Service via the AAF: to enable seamless access to resources and secure communication to support collaboration between users: Australian Research Collaboration Service (ARCS) \$9,600



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USE THE AAF TO ACCESS EXISTING SERVICES



ARCS Data Fabric

ARCS Compute Cloud and Grid Services





The ANDS Publish My Data Service (research collections) http://ands.org.au/services/publish-my-data.html

The eGrad School for post-grad researchers http://www.egradschool.edu.au/



e-Grad School

EXAMPLES OF HOW OTHERS ARE USING THE AAF



Australian Synchrotron Virtual Beamline (VBL) allows researchers using the macromolecular crystallography, micro crystallography and powder diffraction beamlines to view experiments from a remote location.



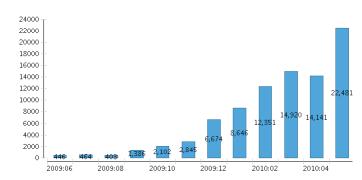
The Australian Integrated Marine Observation System (IMOS): Authorised people are identified and authenticated through the Australian Access Federation (AAF), which enables IMOS to easily coordinate access privileges for users from many institutions.

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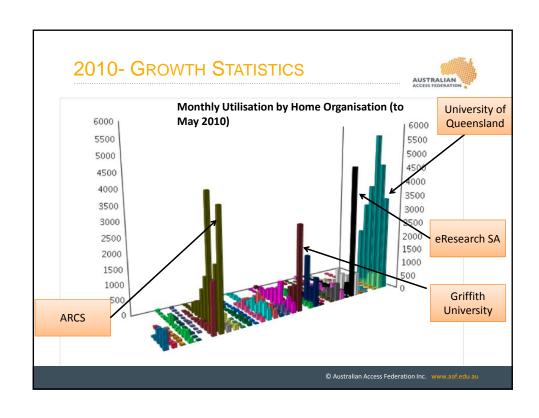
2010- GROWTH STATISTICS

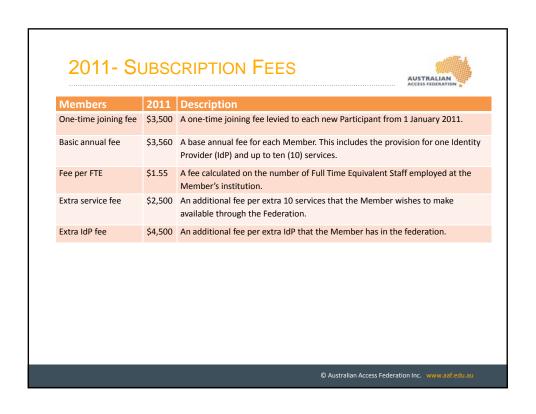


AAF Monthly Utilisation (to May 2010)



There was a slight drop off during April, which could be attributed to Easter, Anzac day public holiday and university semester breaks.





2011- SUBSCRIPTION FEES



Affiliates	2011	Description
One-time joining fee	\$3,500	A one-time joining fee levied to each new Participant from 1 January 2011.
Annual fee per service	\$3,000	This is a flat fee per service connected to the federation.
Annual fee per IdP	\$10,000	A flat fee per Affiliate IdP in the Federation

CURRENT STATUS - AAF CORE

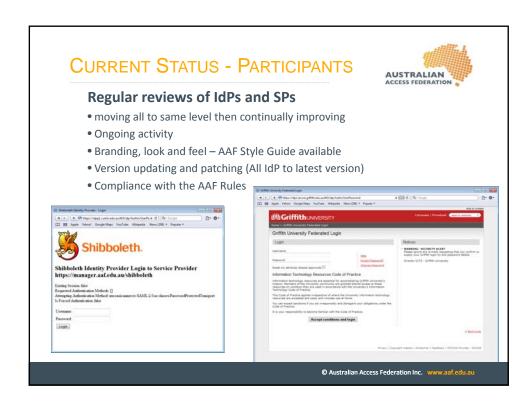


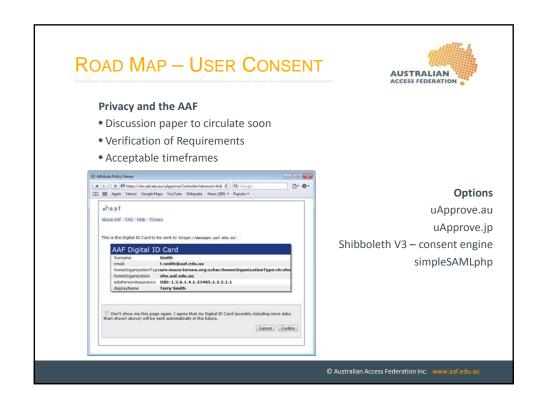
AAF Core Infrastructure

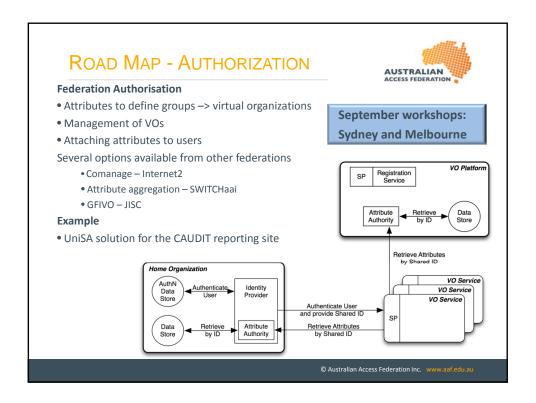
- Test and production instances
- Core functions
 - Resource Registry
 - Discovery Service (WAYF)
 - Metadata generation and distribution
 - Virtual Identity Provider
- Auxiliary functions
 - Web site • Wiki
 - Nagios Monitoring
 - Utilization reporting
 - Mail lists

Infrastructure Refresh

- Upgrade / refresh all components
- Improved Configuration documentation
- Moving some services to the cloud







ROAD MAP - CO FEDERATION



What does co-federations really mean? Working with New Zealand

Options

Services and IdP registered in multiple federations KALMAR2 - Union is a cross-Nordic authentication eduGAIN - Pan-European





Many issues to work through

- State, political and legal boundaries
- Privacy and user consent
- Inconsistent meaning of Attribute values
 - What does STAFF, FACULTY, MEMBER mean?
- Merging of Metadata -
 - performance and keeping large metadata file current

ROAD MAP - TOOLS



Tool for local deployment

- Attribute reflector
- Self service Import and export of the auEduPersonSharedToken
- Who is this person (Security)
- Log viewer
- Additional tools to supporting Privacy within the AAF
 View attribute release history

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ROAD MAP - MANAGEMENT TOOLS

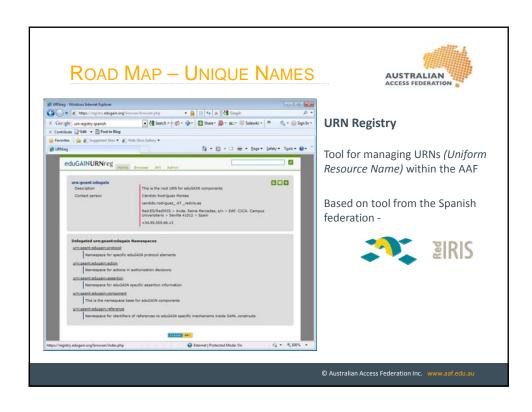


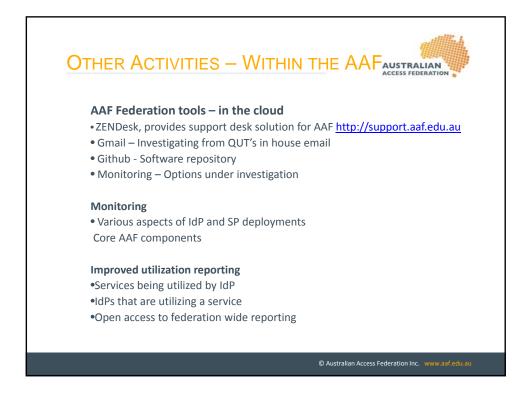
Federation Registry

- New management tool for the federation
- Based on concepts from the SWITCHaai Resource Registry built around the AAF Business model rather than a purely technical solution Organisation centric rather than IdP and Resource centric.
- Improve UI over the current AAF Resource Registry
- Components available in Test federation now [provide URL]

Have a look at:

https://manager.test.aaf.edu.au/federationregistry





OTHER ACTIVITIES - WORLDWIDE



Shibboleth V3

- Not a major rewrite
- Adding functionality that require changes to the API
- Changes to configuration
- Consent engine built in (based in uApprove)
- No release date yet...

Project Moonshot

- Addressing federation for non HTTP apps
- Technical feasibility done moving to pilot

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OTHER ACTIVITIES - REFEDS



REFEDs (Research and Education FEDerations) are moving to the next level....

The purpose of REFEDs is to serve the mutual needs of the worldwide community of Research and Education Identity Federations. Collaboration in this area is needed:

- To align policies in order to facilitate inter-federation working;
- To reach outside the Research and Education (R&E) community to enable federated access in the larger world;
- To create community best-practices and promote them;
- To support emerging R&E federations.



Domesticated applications

Activity underway within REFEDs to provide and maintain list of applications and services that operate within a SAML2 federation.

Examples include:

- Atlassian confluence wiki
- Drupal
- Google apps & email
- Media wiki
- Moodle
- Plone
- Twiki
- Wordpress
- + growing number of others...



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Visit us online <u>www.aaf.edu.au</u> <u>support.aaf.edu.au</u>

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CORE ATTRIBUTES



Identity Providers assert user information to Service Providers as attributes. Full attribute specification at :

https://wiki.caudit.edu.au/confluence/display/aafaueduperson/Home.

- auEduPersonSharedToken unique, persistent ID
- \bullet eduPersonTargetedID privacy-preserving ID targeted to a particular SP
- eduPersonAffiliation and eduPersonScopedAffiliation e.g. student or staff
- eduPersonEntitlement string arranged with SP to grant a particular entitlement
- eduPersonAssurance URN indicating one of 4 levels of identity assurance
 AuthenticationMethod URN indicating one of 4 levels of
- AuthenticationMethod URN indicating one of 4 levels of authentication assurance
- displayName and cn contain the user's name
- \bullet mail the user's email address
- ullet o the name of the organisation

