AUSTRALIAN ACCESS FEDERATION

The Australian Access Federation is open for business
The Participant pack

• Covering letter
• AAF Rules for Participants
• Pilot AAF Best Endeavours Commitment to Rules
• AAF Brochure
• AAF Engagement pack (includes AAF Video)
• MAMS to AAF Migration guide
Using the Engagement pack

- Tool for IT Directors – getting commitment
- Generates awareness at highest levels
- Highlight the benefits
- Identifies business issues that need to be addressed and who need to be involved
- Opportunity to address concerns – audit, privacy, security, etc

Hype Cycle – The Australian Scene

- 2000
  - Shibboleth Project begins
- 2003
  - First round of MAMS Mini-grants begins
- 2005
  - Shibboleth 1.0 released
  - MAMS Project begins
  - MAMS workshops begin
- 2008
  - Shibboleth 2.0 released
- 2009
  - MAMS Federation winds up
  - AAF moves to production mode
  - AAF Operator appointed
- 2010
  - AAF 9.0 provides production certificates
  - Shibboleth 1.3 unsupported
- 2011
  - AAF providing many valuable services, with high utilisation
  - Migration from MAMS to AAF
  - Additional Federal funding to accelerate AAF
The AAF Pilot Project

- Deploy a single trust federation quickly
- Building sector wide expertise and capabilities (both technical and policy)
- Growing the number of available services
- Join at your own risk – best effort
- AAF Inc – Legal entity
- Seamless transition MAMS -> AAF-Pilot -> AAF
- Identify an AAF Operator

Policy and Governance

- AAF Incorporated – 23-June-2009

Certificate of Incorporation as an Association

THIS IS TO CERTIFY that the undermentioned Association is incorporated in New South Wales under the Associations Incorporation Act, 1984.

Association Name: AUSTRALIAN ACCESS FEDERATION INCORPORATED
Incorporation No: INC9891505
Date of Incorporation: 23 June 2009

Issued and given under my hand the twenty third day of June, 2009.

[Signature]
Lyn Baker
Commissioner for Fair Trading
<table>
<thead>
<tr>
<th>Document</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>The AAF and our Institution – key questions to consider</td>
<td>To assist CAUDIT members (and others) to have meaningful conversations with key players (DVC: Research, Director HR, Registrar etc.) in their institutions with regard to implementing the AAF.</td>
</tr>
<tr>
<td>AAF Inc. Constitution</td>
<td>To outline the overall governance of AAF Inc.</td>
</tr>
<tr>
<td>Participant Operational Requirements</td>
<td>To explain technical requirements for participants</td>
</tr>
<tr>
<td>Application Procedure</td>
<td>Procedural document which explains to a potential participant “how to join” and “what to expect”. Will need to include a coversheet to the Rules which the potential participant signs as part of their application.</td>
</tr>
<tr>
<td>AAF Operator Responsibilities</td>
<td>Details the Operator responsibilities to AAF Inc. Eventually this document will form the basis of the “functional requirements” part of the tender for the Operator.</td>
</tr>
<tr>
<td>auEduPerson Attribute Definition and Vocabulary</td>
<td>To define the auEduPerson attribute schema and vocabulary.</td>
</tr>
<tr>
<td>AAF Brochure</td>
<td>General overview of AAF, aims and objectives</td>
</tr>
<tr>
<td>Publicity articles</td>
<td>Join the federation ...</td>
</tr>
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Technology Components

<table>
<thead>
<tr>
<th>Shibboleth</th>
<th>Core federation technology</th>
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</table>
| • V2.x – Preferred version  
• V1.3.3 – End of Support mid 2010 |                                                   |
| Resource Registry       | Manages trust, Metadata, Certificates, policy    |
| uApprove                | Informed release of attributes                   |
| Discovery Service (WAYF)| Where are you from service                       |
| AnyCast                | High availability                                |
| Virtual Home Organization| Home for people who need access but are not directly associated with a federated organisation |
| Nagios                 | Service monitoring                               |
| MailMan                 | Email list server                                |
| Confluence Wiki        | Documentation store, collaboration               |
| OTRS                   | Service Desk, FAQs, ITIL                        |
| SubVersion             | Source code control                              |

Shibboleth / SAML

Shibboleth 2.x
• Preferred
• Fully supported

Shibboleth 1.3.3
• Supported
• End of support mid 2010
• Migration from MAMS
  • Upgrade after migration

Other SAML software
• ESOE
• SimpleSAML
• Sun
• Novell
Resource Registry

- From the Switch-AAI federation
- Modified for use by AAF
- Manages the core federation components
  - Identity provider definitions
  - Service provider definitions
  - Attribute definitions
  - Metadata – creation and signing
  - Federation certificates

uApprove

- From the Switch-AAI federation – moving into Shibboleth core in future release
- Accept Terms and conditions
- Digital ID Card
- Simple to configure
- Simple to use
- Not as functional as AutoGraph / SHARPe yet
Discovery Service (WAYF)

- From the Switch-AAI federation
- Ordered categorised selection of IdP
- Highly configurable
- Can be imbedded into services
  - Reduces number of clicks
- Improved federation utilization reporting
- Highly available - anycast

**Virtual Home Organization**

- From the Switch-AAI federation
- Each participant organisation provided access
- Allow you to add federation users
  - Research partners
  - Visiting academics
- Removes the need to add these users to your internal identity management systems
Nagios

- Continuous monitoring
  - Core federation components
  - Identity providers
  - Services providers
- Provides notifications of potential and actual service disruption events
  - Time synchronisation / skew
  - Certificate expiry
  - Server failures
- Configurable for the RR

OTRS

- Open Source Ticket Request System
  - Online helpdesk
  - FAQ’s
  - Is a federation service
  - ITIL functions available – being reviewed
- Staffed by 2 AAF technical support personnel
The next 18 Months

- DISSR funding $2M
  - MAMS Testbed Transition
  - Addition technical resources
  - Marketing and communications
    - Expedite the uptake of the AAF
    - Grow the catalogue of services
  - Mini grants
  - Accelerated technical developments
    - Virtual Organisations
    - Cross federation
- Appoint an Operator
- AAF PKI – Production expected October 2009

For more information, go to AAF website: www.aaf.edu.au

Supported by the Australian Government through the Department of Innovation, Industry, Science and Research
Questions?