



Australian Access Federation (AAF)

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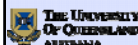


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Background



Are we starting from scratch?

- CAUDIT PKI Pilot Project
 - Funded by DCTIA/Grangenet
 - Investigated PKI architecture model for HE & Research
 - Deployed pilot infrastructure
 - Authentication
- MAMS Project
 - Funded by DEST
 - Development of a meta access management system framework
 - Authentication/Authorization
 - www.melcoe.mq.edu.au/projects/MAMS/
- eSecurity Framework Project
 - Development of a common trust infrastructure based on a production PKI that supports the implementation of Shibboleth across the sector.
 - www.esecurity.edu.au



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Australian Access Federation Project



- Builds on previous projects
 - CAUDIT PKI, eSecurity Framework, MAMS
- Funded by  ~ \$4.8 M
- Lead Institution: UQ
- Partners
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- <http://www.aaf.edu.au>



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What is the Australian Access Federation? (1)



- Facilitator for trusted electronic communications and collaboration within and between institutions of higher education and research in Australia and other organizations worldwide
- Trust federation
 - Common policy framework for the sector
 - Members agree to abide by a common set of rules, policies and agreements
 - Infrastructure
 - Enable access to online resources and services for the sector
 - Infrastructure based on two technologies:
 - Shibboleth and Public Key Infrastructure
 - AusCERT Root Certificate in vendor's Trust Lists
 - Simplify end user experience
 - Microsoft, Mozilla, Apple



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What is the Australian Access Federation? (2)



- Strong concept of trust
 - Builds on AusCERT's relationship with sector
 - 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.
- International federation from conception
 - International CAUDIT members (Fiji, PNG, NZ)
- Wide collaboration with international universities
 - PKI
 - Grid Computing
 - Shibboleth
- 1 Million users
 - Around 60 organisations
 - Schools and VET federation interested in peering with AAF



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What will AAF provide?



Federated Authentication, Authorization and Identity Management

- Simplified access to resources
 - eJournals, library resources etc
- Simplified access to infrastructure
 - Research Instruments
 - High Performance Computers
 - Compute Grids
- Simplified access to Data
 - Australian National Data Service (ANDS)
 - National Collaborative Research Infrastructure Strategy (NCRIS)
 - Data Grids
- Simplified exchange of information
 - Encrypted emails
 - Digital signatures
 - Secure file transfer
 - Secure web browsing



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Australian Access Federation



Part 2.....



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