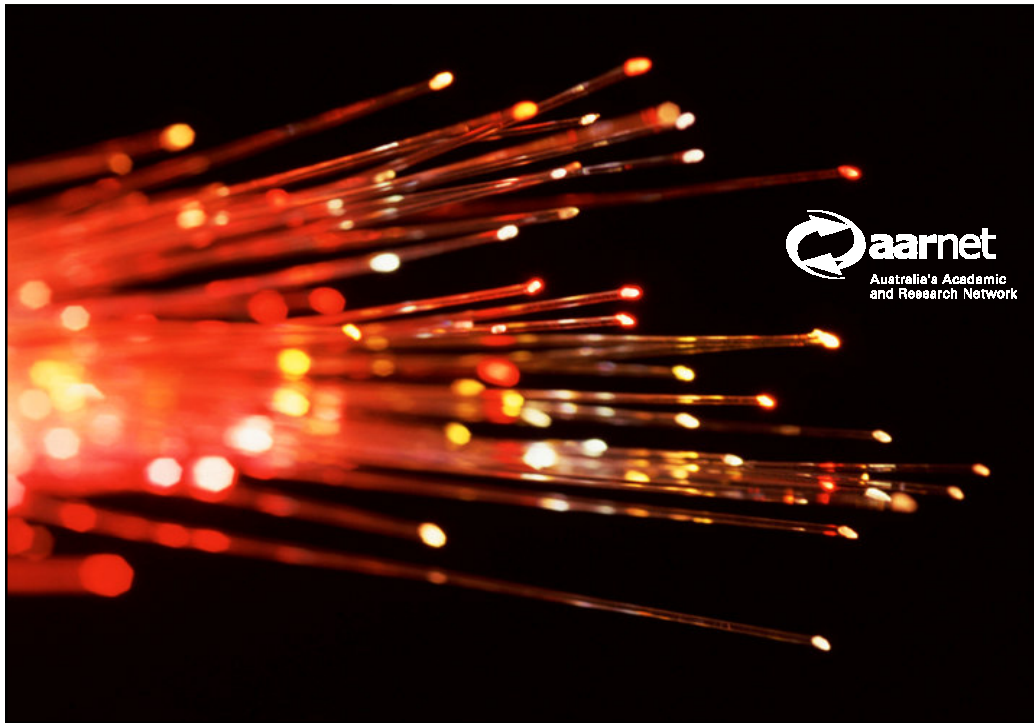


The image features a close-up of fiber optic cables with glowing yellow and orange tips, creating a bokeh effect against a dark background. Overlaid on the right side is a semi-transparent dark rectangle containing white text.

An early analysis of the
recent Identity and Access
Management survey 2005

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AARNet

About this talk

- **Background**
 - Why this survey and why now?
 - Who created the survey?
 - Who completed it?
- **Results**
 - What were the key findings?
- **Next steps**
 - Next projects
 - Opportunities
 - More information

3

Yesterday

The Survey instrument was designed to assess progress of campus identity and access management systems to act on

- Any **barriers** to integration (same/single sign on) that need to be removed (resourcing, technical, political, etc.)
- Any **opportunities** to
 - promote campus infrastructure integration
 - develop a federated authentication infrastructure
 - develop authorisation components to specific services / resources.

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Yesterday (2)

The Survey instrument was

- created and distributed jointly by AARNet, MAMS, Middleware Steering Group, CAUDIT (**Thank you**)
- completed so far by 49% of CAUDIT members – thank you to those who have completed it so far.
- Some reasons why responses may have been low
 - Many questions to answer?
 - Answers required from more than 1 person?
 - Timeframe to initially respond was short?

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Today: Survey Results

- **Authentication** methods: username/passwords (100%), half also use IP based authentication. One site uses digital certificates (Guess who!).
- The difference in **authorisation** of local versus remote resources may be due to a lack of centralised DRM agreements with access to distributed set of content repositories.
- LDAP appears to be the preferred **directory service** with many using in house developments written in either PERL, Visual Basic, JAVA, C++, SQL to process data from student, HR and other databases.

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Today: Survey Results - continued

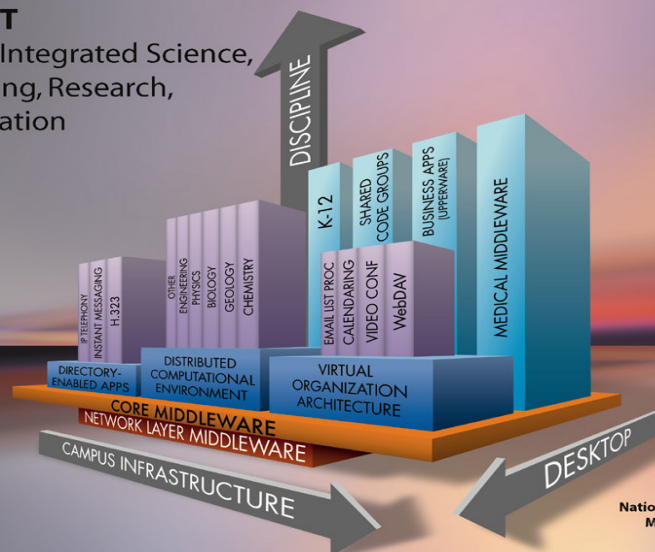
- Organisations are working towards integrating their campus infrastructure components together to
 - Unify Authentication, Authorisation, Access;
 - Automate the transfer of data to feed into Directories, meta data, and so forth;
 - Develop simplified user interfaces (e.g. Same/Single Sign on portals).
- Some organisations are offering visitor guest access for web browsing or VPN access via
 - Creating temporary accounts
 - eduroam (802.1X/RADIUS)

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CAMPUS Integration

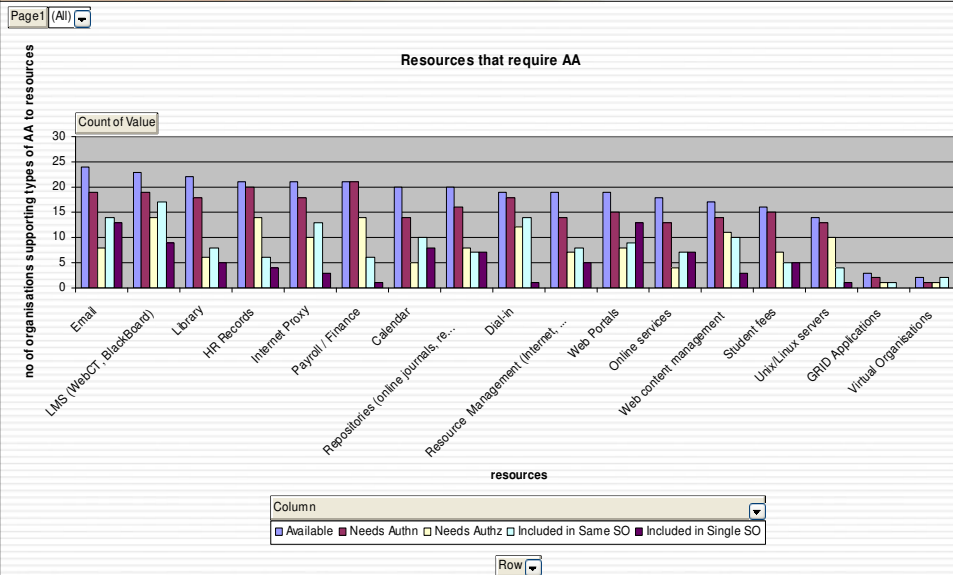
NMI-EDIT

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8

Today: Survey Results - continued



9

Today: Survey Results - continued

Barriers to centralised/federated authentication

- Political 16/25
- Technical 11/25
- Security 9/25
- Training 4/25
- Legal 3/25
- Other 3/25 (resources/cross institutional identity issues)

In house skills set (1=poor, 5= High)

- Eduperson [2.1]
- Same/Sign On [2.7]
- Attribute mapping between schemas [3.0]
- Password Sync [3.4]
- Customised directory schema [3.5]
- Portal experiences [3.5]
- Data source Sync [3.9]
- Directory services [4]
- Database services [4.3]

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Tomorrow

Next Projects

- Web portal = 14/25
- Account self service = 14/25
- Same Sign On = 4/25 & Single Sign On = 13/25
- CAUDIT PKI/Staff/Student/Web/Service certs = 7/25

Opportunities

- Participate in middleware activities (re – Alex's slides)
- Develop agreements for access to distributed content
- Agree on primary AAI (plus links to others)
- We are not so far behind – if we work together we can be the leader...

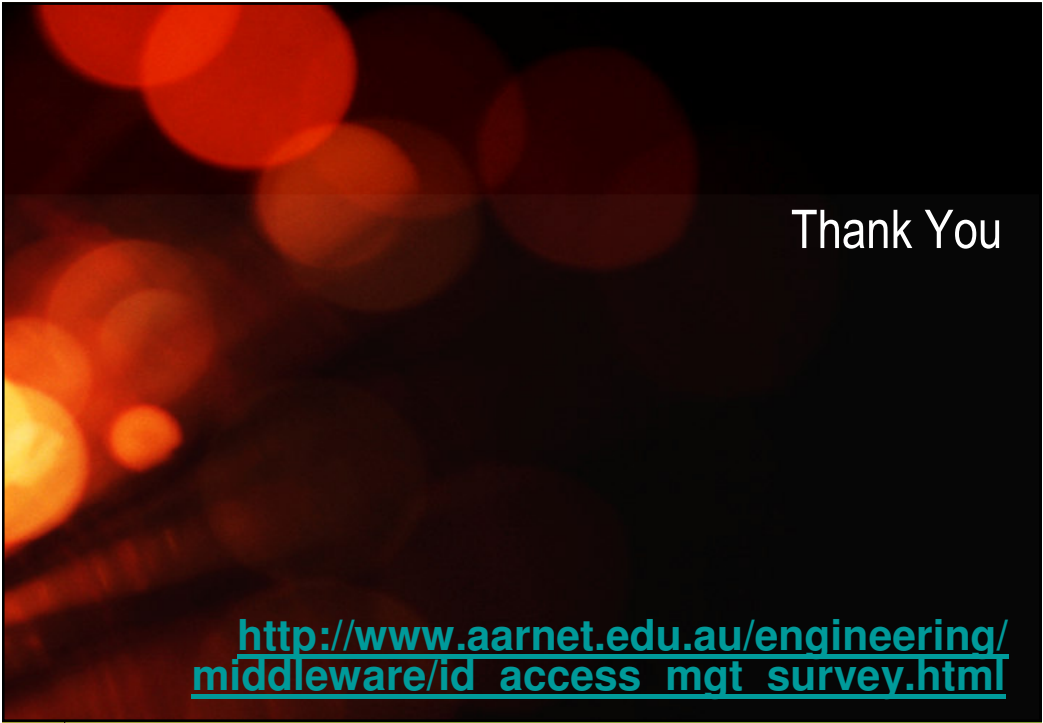
11

What about the rest of the analysis?

- Completed surveys still arriving by fax/email
- We need more responses
 - 25/42 Australian CAUDIT members have replied so far
- Please complete the survey to show your commitment to Australia's middleware cause
- A comprehensive analysis - online soon on CAUDIT & AARNet websites



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Thank You

http://www.aarnet.edu.au/engineering/middleware/id_access_mgt_survey.html