Campus Middleware Issues

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Middleware Issues

• Deployment of campus middleware infrastructures
• IdM process issues
• Technical issues – there are a few left
• Exploiting the availability of federations
• Moving focus from authentication to authorisation
Worries and uncertainties

- Consequences of a steep increase of “software as service”
- How do we solve the need for eid-s at separate LOA
- How do we make progress in harmonising the interpretation of (inter)enterprise data for authorisation – per application

Campus middleware infrastructures

- Deployment slow
- Metadirectory issues are complicated
- Boundaries between maintenance objects are up for discussion whenever there is a need to update or further develop a system component
IdM process issues

- Initial identification of distance education students
- We have to be quicker – waiting on an identity, as a student or personnel, is time and money lost

Technical Issues

- The number of systems integrated increases quickly – raising the requirements on the system maintenance process
- Group and role management is an increasingly important support function as the number of users of enterprise systems increases
  - provisioning and attribute services
  - cms, lms, cscw, business systems
Federation Issues

• non-technical issues dominating
  – what services are of interest
  – how do we provide what authorisation information to service providers
  – internal and external service providers

From Authn to Authr

• Again: The technology is not the bottleneck
  – Within an institution – each system owner wants system specific attributes for authr
  – Between institutions – the community is waking up, and becoming aware of the fact that there are more attributes to discuss than eduPersonAffiliation
LOA

• There are two perspectives
  – from the IdP – who wants to say that they issue eIDs at a certain LOA
  – from the System – who wants to decide what LOA constitutes a risk they are prepared to take for each operation different eIDs
• ... and two documents
  – The NIST Special Publication 800-63
  – Reference:M-04-04, Memorandum to the heads of all departments and agencies

Identities on different LOA

• How do you upgrade to an higher level LOA
• One LOA per IdP or not