IAM Online

Social Identities, Open IDs and Guest Affiliate Access

Wednesday, April 13, 2011 – 3 p.m. ET

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Please note: you will not hear any audio until the session begins
Social Identities, Open IDs and Guest/Affiliate Access

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Background and Context

• Why are universities considering the use of social identities to provide access to university systems?
• Key considerations for service providers and the need to educate them
• Brief review of technical alternatives
Why would a campus want to use a social ID?

- Provide access to research collaborators
- Share content with the world
- Give parents access to some student information
- Provide services to prospective students, applicants and alumni
- Generic Use Cases at: https://spaces.internet2.edu/display/OpenID/GenericUseCases
Social Identities and LoA

- Social identities are created with self-asserted information
- They provide no Level of Assurance (LoA) that users are who they say they are
- Institutional identities typically provide some identity verification
- But... social identities and institutional identities both fall under NIST LoA 1
How to reflect appropriate LoA

• NIST guidelines for Level of Assurance are very well defined

• Creating new categories for LoA (level 0 or level 1.5) would be extremely difficult

• MACE-dir subgroup conclusion: best solution is to assert LoA 1 for social and campus identities, but also assert source of identifier

• Service Provider decides how to interpret risk based on identity assertions
Educating Service Providers

- Many Service Providers haven’t thought about Level of Assurance
- Need to help them understand risks and tradeoffs
- MACE-dir subgroup working on documentation to help
- Need to describe risks related to differences in identity vetting and technical protocols
Technical Alternatives

- Service Providers integrate with social identity providers directly.
- Individual campuses develop gateway services that integrate with one or more social ID provider and then make a shib/SAML assertion.
- Higher Ed gateway.
- Persuade some social identity providers to make shib/SAML assertions based on MACE-dir defined attributes.
Questions?
Use of Campus and Social Credentials at NIH

Debbie Bucci
National Institutes of Health
About NIH

- National Institutes of Health (NIH)
- Operating division of the U.S. Department of Health & Human Services (HHS)
- Primary Federal agency for conducting and supporting biomedical research
External Users

• NIH provides financial support to researchers around the world.
• NIH invests over $28 billion in medical research each year.

83% goes to almost 50,000 competitive grants that support over 325,000 researchers outside NIH.
Authentication Services at NIH

**NIH iTrust**

Multifunction single sign-on (SSO) and federated authentication service consisting of:

- **NIH Login** – links internal users at NIH to internal and departmental (HHS) applications and electronic resources

- **NIH Federated Login** – links external users to NIH and departmental (HHS) applications and resources
Federated Authentication Partners

- Government Departments and Agencies
- InCommon Federation – identity and access management federation for the higher education and research communities; nearly 50 major universities access NIH resources through InCommon.
- Open Identity Exchange (OIX), OpenID, and Information Card Foundations are working with industry leaders such as AOL, Equifax, Google, PayPal, VeriSign, and Yahoo to provide access at Levels of Assurance (LOA) 1-4.
NIH Federated Login

- In production since 2008
- 60 Federated applications
- University participation up 240%
- Over 72,000 external credentials averaging 2-3000 users a week
- Scaled to support 1 Million users on track to support over 500,000 external users by end FY11:
  - wikis, SharePoint, Grids, Library services Acquisition services
  - Cross-agency, government-wide collaborations
  - Enterprise/departmental applications
Federated Authentication at NIH
For Further Information

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Questions?
Demo from Chris Hubing
Upcoming Education and Outreach Events

Internet2 Spring Member Meeting
Federation track, Middleware track
April 18-20, 2011 – Arlington, Virginia
http://events.internet2.edu/2011/spring-mm/

CAMP: Hot Topics in Identity and Federated Identity Management
www.incommon.org/camp
June 21-23, 2011 – Columbus, Ohio

Advance CAMP: Identity Services Summit III
www.incommon.org/camp
Survey
Please complete the survey about today’s IAM Online:
http://www.surveymonkey.com/s/MPZQX3N

Next IAM Online www.incommon.org/iamonline
Wednesday May 11, 2011 – 3 p.m. EDT
The Challenges of User Consent

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