

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

Dedra Chamberlin

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University of California Berkeley

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



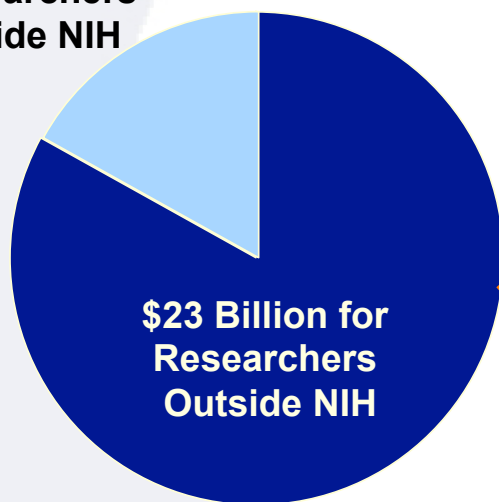


External Users

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



\$5 Billion for
Researchers
Inside NIH



\$23 Billion for
Researchers
Outside NIH

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



Account Type:

- Research Organizations
- NIH Staff
- Federal Bridge Cross-Certified Users
- Government Agencies
- OpenID

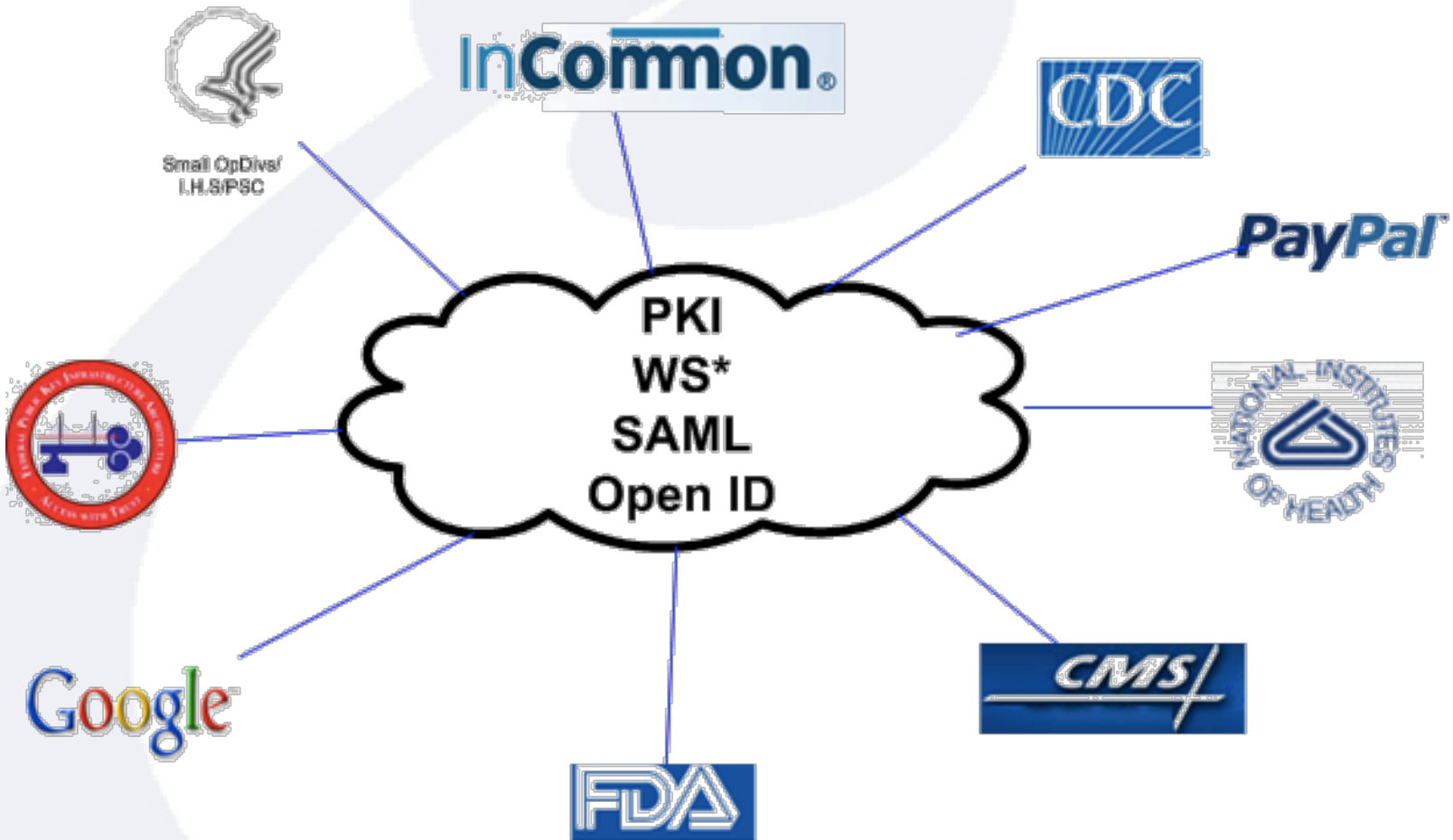
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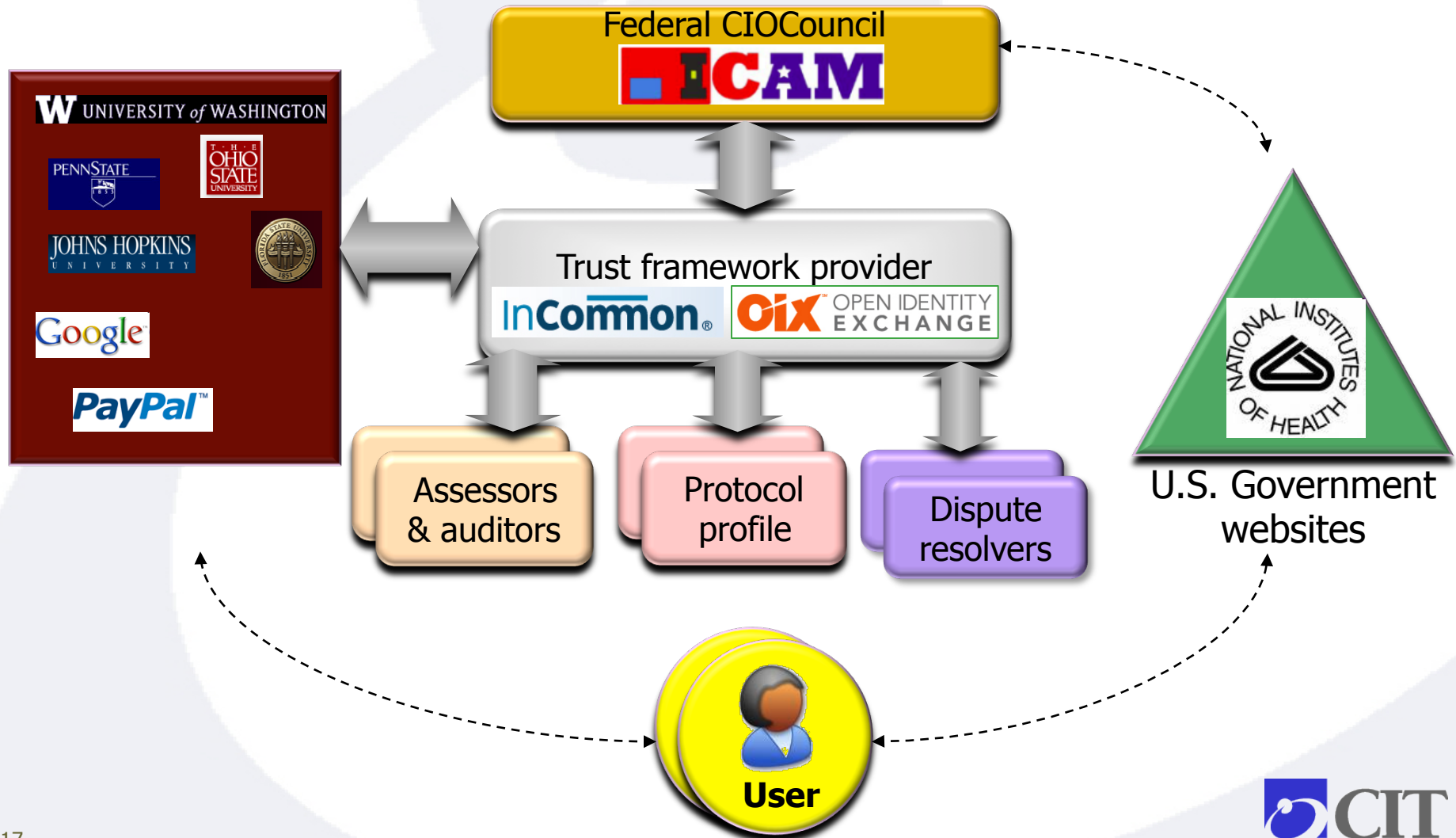


Federated View





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

May 25-27, 2011 – Westminster, Colorado

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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