Major Developments for Shibboleth and SAML 2.0

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Major Shibboleth Federations

- UK Access Management Federation
  - 600+ Members
- InCommon
  - 120+ Members
  - Over 2.2 million students, professors, and staff
- SWITCHaai
  - 90%+ of all students
- 30+ Other Countries, mostly in Europe

Major Educational Shibboleth Applications

- Microsoft Dreamspark
- Apple iTunesU
- Elsevier ScienceDirect
- ExLibris MetaLib
- Google Apps and Gmail
- . . .lots more. . .

U.S. Government Deployment

- Obama's Transition Team endorsed the Shibboleth model for the entire U.S.

- National Science Foundation (NSF) and National Institutes of Health (NIH) both InCommon Members

- Federal Health IT Standards

My contributions to UPKI-Fed

- Draft policy documents and Federation design
  - Based on best practices from other federations and new research by the Shibboleth team

- Proof of Concept Development
  - Local Installfest

- Architectural Development
  - Gakkaimura IdP design

My contributions to UPKI-Fed

- Development of SAML/PKI Integration
  - Moving through the OASIS SSTC
  - Deployment interest from U.S. Defense Department and others
  - 14 drafts, finally moving towards standard
- Connections with Elsevier and other publishers

Other Major Federated Identity Developments

- Microsoft Geneva, part of Windows Azure, based on SAML 2.0 identity

- Facebook Connect with major sites like CNN

  - Obama Inauguration

- OpenID thriving in Japan, nowhere else

  - Work to copy SAML Artifact design for mobile device enablement

Other Major Federated Identity Developments

- Google suggesting a centralized discovery service (DS) for all SAML, OAuth, and OpenID federated identity

  - Important, because much international collaboration between Canada, US, UK Federations; schools joining multiple federations

- Windows Cardspace still not used

- U.S. Real Estate using SAML 2.0

Suggested Goals for UPKI-Fed

- Gather Major Services
  - Microsoft DreamSpark, Google Apps, Elsevier, student discount or service sites
  - Collaborative courses and libraries
- Build up a critical mass of IdP's
- Communicate with OpenID Japan
- Join international community to discuss federation peering and discovery, shared services