Accelerate Without Fear: Extend Your Enterprise with Identity Federation

Kirk Brown
CTO, Identity Management
Sun Microsystems
Welcome to the Participation Age

Enterprise
Collaborative Industry Networks, Outsourcing, New Business Models

Developers
Java, Open Source, Standards Development

Consumers
Blogs, Instant Messaging, Personalized Content on Devices, Social and Job Networking, Online Gaming

Public Sector
Inter-Agency Collaboration, Healthcare Networks, Political Campaigning, International Coalitions
What Can Sun Do For Higher Education?

- Access Digital Library from Off Campus
- Access External Grading Service
- Register and Take a Class at Another Participating Campus
- Register Online as New or Transfer Student
- Opt-In to Alumni or Post Grad Programs

- Manage a Shared Polar Instrument
- Access Research Data from another University
- Triggered Provisioning

- Federated Identity
- Federated Auth Access
- Anonymous Registrations
- Authenticated Access
- Authorized Access
- Delegated Administration
- Role-based Access

Access Distance Edu Courses
Federation: evolution not revolution

- Web Single Sign-On
- Federated Single Sign-On
- Federated Authorization
- Federated User Management
Sun Federated Identity Management
“The” Solution

Composite Application Events

- New Student
- Transfer Student
- Change User
- Self-service Reset Password
- Authenticate User
- Federate User

HR System

Automated Approval Workflow

- Business Process
- Role Owner/ID
- Notifications
- Alerts

Sun Java Suites Integration+Identity

Solution Service Delivery Model

People Policy Procedures

Account Synchronization

- Central Records
- Department Records
- Alumni Records
- Active Directory Others

Auditing, Monitoring and User Management Reporting

Regulatory Compliance

Authenticate User

Federate User

Add Change Delete
Federated SSO

Consumer online banking services

- Providing seamless access to online banking services – Internet Banking, Brokerage, Bill Pay
- Aggregated services for millions on users
- Based on a standard, reusable architecture
Sun Identity Management Suite
Fueling the Participation Age

Collaborative Enterprise

- Federation Manager
- Identity Manager SPE
- OpenSSO

Extended Enterprise

- Directory Server Enterprise Edition
- Access Manager
- Identity Auditor
- Identity Manager

- Sun leads the way with more innovation for the collaborative enterprise
- Most comprehensive and integrated identity management for the extended enterprise
Identity Manager Partial Customer List

- Western Michigan University
- University of California Santa Cruz
- CSU San Bernardino
- University of Colorado at Boulder
- University of Central Florida
- University of St. Thomas
- University of Victoria, Canada
- Notre Dame University, Australia
- Universidad de Oviedo, Spain
- University of Salford, UK
Questions?
Kirk Brown, CTO Identity Management
kirk.brown@sun.com
Federation Requirements

Federation Enables Sharing Identity Information Outside the Firewall While Protecting Privacy

- Federation is necessitated by collaborative research and other inter-institution collaboration

- There are 2 implementation approaches:
  - **The Liberty Alliance Project** – An alliance of more than 150 companies, non-profit and government organizations developing an open standard for federated network identity (http://www.projectliberty.org/)
  - **Shibboleth** – An open source implementation of federated identity information that has gained a lot of momentum in education

- Shibboleth and Liberty are working on interoperability through SAML 2.0, expected in next 12 months
Federation in Java System Access Manager

Standards-based Approach Allows Integration With Shibboleth

- Supports Federation using Access Manager
- Interoperability with Shibboleth through SAML 2.0 (expected in 12 months)
Federated Service Provider
Federating wireless consumer services

- Delivering automated sign on to location based services
  - Weather, sports, restaurant listings
- Aggregating identity web services to drive adoption, revenue