



Identity and Federation Services in the Cloud

Fischer International Identity



Presented To:
US Trust Federation
August 17, 2011

Agenda

- Fischer International Identity: Background
- Architecture Overview: Multi-tenant Identity Services
- Federation Solutions:
 - Shibboleth Integration
 - “Federation On-Ramp” for InCommon® Members
- IdP Services for Special Groups
- Sample Federation Deployments
- Questions & Answers

Fischer International Identity: Background

History

Fischer International founded 1982 by Addison Fischer (Verisign, RSA)

Expertise

Identity & Access Management, Security, Software Development

Sample Higher Ed Customers



Swarthmore
College



On-Premise

Cloud (IaaS®)

Recognition

VISIONARY:
MAGIC QUADRANT

2007, 2008, 2009, 2010
User Provisioning MQ

Gartner

IAM INNOVATOR
OF THE YEAR

2007, 2008, 2009
SC Magazine Labs



MARKET LEADER:
CLOUD IAM

2010
Cloud IAM Market Update

Bloor

“BEST BUY”
“POWERHOUSE”

2010
SC Magazine Labs



Affiliations



InCommon
Federation



Higher Education
User Group

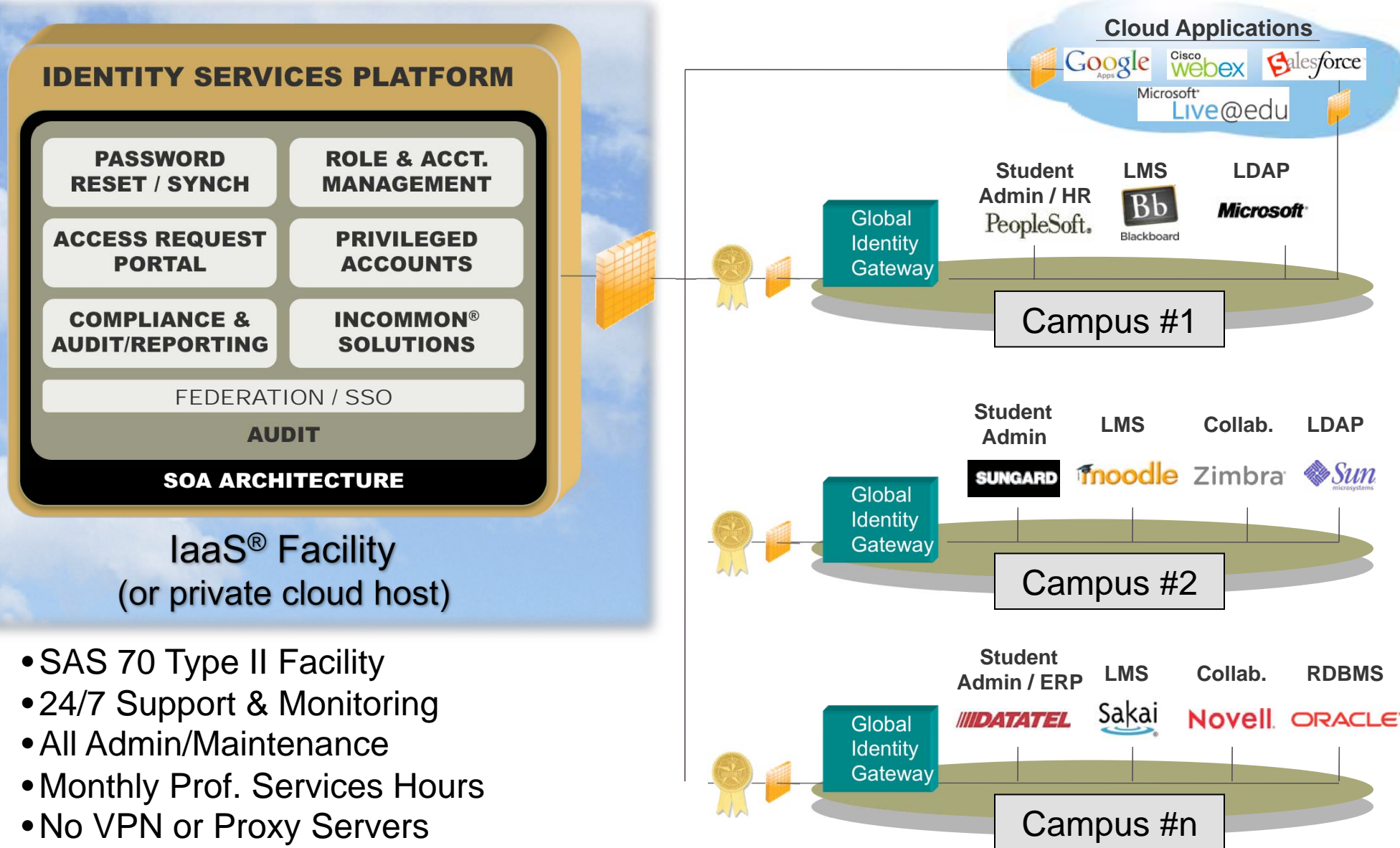


Cloud Security
Alliance



Kantara
Initiative

Identity as a Service® (IaaS®) Architecture



Federation – Shibboleth Integration

- Organization Feature - Multi-Tenant Operation
 - Master Organization – Tenant Organizations
 - Container For Identities, IdM Configurations, Target Systems, GIG
 - Import/Export Organization
- Shibboleth – Multi-Tenant Operation
 - IdP Services Per IaaS® Organization
 - Metadata Per IaaS® Organization
 - Authentication - Custom UI Per IaaS® Organization
 - Attribute Resolution - Use Encrypted IdM Credentials
- Up-to-the-minute User Attributes (Freshness)
 - IdM Suite is the Source for SAML Assertions
 - Identities & Attributes Managed In Real Time
 - Newest Information Available for Controlling Access to Federation-protected Resources
- Auditing & Compliance Reporting
 - Capture IdP Events In IdM Audit Trail Database
 - Online Reporting



Federation - Rapid Onboarding

- No Federated Infrastructure Required On-Premise
- Automated Metadata Updates – All Organizations
- Federation-Enabling New Institution
 - Configure New IaaS® Organization
 - Load The IaaS® Organization
 - Publish/Setup Federation Metadata
 - Install/Configure SP Components
- Federation-Enabling Institutions Using IaaS® Services
 - Publish/Setup Federation Metadata
 - Install/Configure SP Components

Federation - Rapid Onboarding

“Federation On-Ramp” for InCommon® (Higher Ed)

- InCommon Affiliate Sponsor
- Authorized to Manage IdP and SP on Behalf of Client
(InCommon Membership & Compliance Required)
- Offering Includes:
 - Configure New IaaS® Organization
 - Load The IaaS® Organization
 - Publish/Setup Federation Metadata
 - Install/Configure SP Components
- Additional Bonuses/Incentives:
 - Federation Implementation Fees Waived
 - 500 FTE Password Management Subscriptions*
*(*not to exceed 50% of total Student FTE population)*



Federation – IdP Services For Special Groups

- For Groups Requiring a Special Entity ID
 - Research Grants, Visiting Faculty, Campus Events / Seminars, etc.
- IaaS[®] Services That Can Enable Special Teams
 - Configure New IaaS[®] Organization
 - Publish/Setup Federation Metadata
 - Install/Configure SP Components
 - Register Approval Authorities
 - Self-Registration Service or Load
 - Self-Service Request Access
- No need to Install/Operate Another Instance Of Shibboleth

Sample Federation Deployments

- Fischer IaaS®: Cloud Based Federation Infrastructure
- Fischer IaaS®: On-Premise Federation Infrastructure
- Private Cloud Infrastructure

Sample Federation Deployments



- Fischer IaaS[®]: Cloud Based Federation Infrastructure
 - User Credentials Managed on IaaS[®] Platform
 - Synchronization with Local Stores Available
 - Authentication for SSO Using IaaS[®] Platform Credentials

Sample Federation Deployments



**Commercial:
Manufacturing**

- Fischer IaaS®: Cloud Based Federation Infrastructure
 - User Credentials Managed on IaaS® Platform
 - Synchronization with Local Stores Available
 - Authentication for SSO Using IaaS® Platform Credentials
- Fischer IaaS®: On-Premise Federation Infrastructure
 - Fischer IaaS® Portal Federation-Enabled
 - No Local Credentials Stored in the Cloud
 - Users Use Local Credentials to SSO into IaaS® Portal

Sample Federation Deployments



- Fischer IaaS[®]: Cloud Based Federation Infrastructure
 - User Credentials Managed on IaaS[®] Platform
 - Synchronization with Local Stores Available
 - Authentication for SSO Using IaaS[®] Platform Credentials

Commercial:
Manufacturing

- Fischer IaaS[®]: On-Premise Federation Infrastructure
 - Fischer IaaS[®] Portal Federation-Enabled
 - No Local Credentials Stored in the Cloud
 - Users Use Local Credentials to SSO into IaaS[®] Portal



- Private Cloud Infrastructure
 - Fischer Suite Located in Private Cloud with Other Resources
 - Single Sign-On into All Resources Available
 - Access for InCommon and non-InCommon Members

Questions and Answers



www.fischerinternational.com