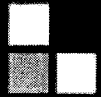




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Christine Varney Hogan & Hartson LLP

***Liberty Alliance Project
Update***



Grew the Alliance – size and diversity

- 169 members: GSA, DoD, Canada Post, SAP, BEA, CA, Merck
- Lowered bar to Sponsorship with new fee structure
- New management board members: Ericsson, Novell, Verisign, Fidelity

Successful RSA Conference Event

- Unveiled technology roadmap,
- Released public draft of Phase II specifications
- Announced SAML convergence plan
- Interop demonstration
 - AOL, Communicator Inc, Ericsson, HP, Jabber, Mycroft, NeuStar, Nokia, Novell, NTT, Ping ID, Phaos, PostX, SchlumbergerSema, Sigaba, Sun, Symlabs, Trustgenix, Vodafone and Waveset



Deployments and Trials

- Publicly announced: Neustar, GM/Fidelity, NEC/Niteo/FSTC, Communicator Inc.
- Not announced yet: Vodafone, T-Mobile

Policy Initiatives

- Released Security and Privacy best practices document
- Successfully lobbied Article 29 working group
- Working for Liberty inclusion in E-gov authentication spec.

Other Alliance Initiatives In-progress

- Business Templates
- Certification program: Technology brand for conformance to specifications
- Multi-track model for Identity Services



Identity Federation

Enables Identity federation and management through features such as identity/account linkage, simplified sign on, and simple session management

- Spec. released
- Open source implementations
- Browser, WAP profiles
- Submitted to OASIS SAML TC for convergence with 2.0

SAML

HTTP

WAP

XML

SSL/TLS



Identity Federation Framework (ID-FF)

Enables Identity federation and management through features such as identity/account linkage, simplified sign on, and simple session management

Identity Services Specifications (ID-ISS)

Schema specifications to provide for interoperable identity-based web services.

Person Profile Service

Identity Services Framework (ID-ISF)

Provides the framework for building interoperable identity-based web services.

Discovery, Interaction

- Public Draft 4/03
- First interop. 5/03
- Spec release 9/03

SAML	HTTP	WS-Security	WSDL	XML Enc
WAP	XML	SSL/TLS	SOAP	XML Sig



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Discovery, Interaction

SAML	HTTP	WS-Security	WSDL	XML Enc	WS-Trust	WS-Federation
WAP	XML	SSL/TLS	SOAP	XML Sig	WS-Policy	WS-Privacy

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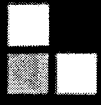


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Business Guidelines

Business Requirements for Wide-scale adoption of Federated Identity

- Mutual Confidence
- Risk and Risk Management
- Liability
- Compliance



- **Business Standards**

- Accreditation standards and guidelines
- Technical standards and associated levels of performance
- Security and Privacy standards
- Adoption and alignment with legal standards (such as HIPAA)

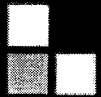
- **Minimum Requirements**

- Internal controls
- Service Level achievement against controls and technical standards
- Employee integrity/certification requirements
- Audit

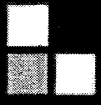
- **Certification and Auditing**



- Best Practices
- Revocation Procedures
 - Procedures for revoking credentials
 - Procedures for suspending an identity
 - Procedures for lowering confidence in a particular interaction
- Fraud Protection Measures
 - Security Policy for Identity Management Providers
 - Security Policy for Attribute Management Providers
 - Security Policy for Service Providers (attribute confidentiality).



- Allocation
 - Proportion
 - Flow
 - Insurance
- Dispute Resolution
 - Time consuming
 - Costly
 - Resource Intensive



- General Compliance
 - Agreed standards, policies, procedures
 - Contract – bi-lateral, multi-lateral
 - Trade Association
- Privacy Issues
 - Privacy interest of the consumer
 - Privacy interest of the business/agency
 - Privacy interest of employees



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Industry Alliances

- Access Ticket Systems Inc.
- ACT Walsbridge, Inc.
- Aconita Technology
- ActivCard
- ACBIA Corporation
- America Online, Inc.
- American Express Travel Related Services
- Arcor Online GmbH
- AT&T
- Avaki Corporation
- Baltimore Technologies, PLC
- Bank of America Corporation
- BEA Systems, Inc.
- Bell Canada
- Bharat AU
- Bridgewater Systems Corp.
- BUPA
- Business Layers
- Calendra
- Canada Post Corporation
- Caution Solutions
- Cavio Corporation
- CCL/ITM
- CDC Mercur
- Center for Democracy and Technology
- CheckFree
- Chief Information Office Austria
- Cisco Systems, Inc.
- Citigroup
- Cohesity, Inc.
- Commerce One, Inc.
- Communicator, Inc.
- Computer & Communications Industry Association
- Computer Associates International, Inc.
- Connecterra, Inc.
- Convergys
- Cygnus Inc
- Daim
- DataKey Inc
- Deloitte & Touche LLP
- DigiQan, Inc.
- Discover Financial Services
- Diversinet Corp
- Earthlink Inc
- EDucation Software Inc.
- EEcraft Group
- Electronic Data Systems, Inc.
- Engineering Partnership in Lancashire
- Emergency Solutions
- Enterprise Java Victoria Inc.
- Ernst
- ePresence
- Ericsson
- Fair, Isaac
- Fidelity Investments
- Financial Services Technology Consortium
- Fischer International
- Franze Telecom
- Fraunhofer Institut for Experimentelles Software E
- Fujitsu Inc in
- Frank Software
- Gemplus
- General Motors
- Healthcare Financial Management Association (HFMA)
- Hebrew Institute of Physics
- Herit Associates LLC
- Hewlett-Packard Company
- HSBC Holdings PLC
- Imprivata, Inc.
- InfoSpace, Inc.
- Institute of Information Management of the University
- Interlink Networks, Inc.
- International Security, Trust and Privacy Alliance
- Internet2
- Intran, Inc.
- Isobar, Inc.
- Iowa Wireless Competency Centre (IWCC)
- Italy Systems, Inc.
- KDDI Corporation
- Kinross, Inc.
- Lockheed Martin Corp
- Lycos Europe GmbH
- M-Tech Mercury Information Technology Inc
- MasterCard International
- Marck & Co., Inc
- Mariden Financial Software OY
- Minnesota Mutual Companies
- Mitsubishi Electric Corp
- Microsoft, Inc.



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Netegrity, Inc.
Network365
Newstar, Inc.
Newspaper Association of America
Nexel Communications
Nippon Telegraph and Telephone Company
Nokia Corporation
Novell, Inc.
NRI Pacific, Inc.
NTT DoCoMo, Inc.
Obelha Card Systems
Oblix, Inc.
OKI Electric Industry Co., Ltd
Openwave Systems, Inc.
Organization Internationale Pour La Securite des Transports
PAM Forum
PassGate Corporation
PeopleSoft, Inc.
Phasx Technology
Phoenix Technologies, Ltd
Ping Identity Corporation
PivX Corporation
Quintess
Radecchio Ltd
RegistryPro, Inc.
Royal Mail Group plc

Sabre Holdings Corporation
SAP AG
SchlumbergerSema
Semillon
Siemens AG
Sigaba
Singapore Institute of Manufacturing Technology
Siperian, Inc.
Skytech Solutions LLC
Software AG
Software&Information Industry Association
Sony Corporation
Sprint PCS
Stelvia
Studio Notabile Gerghani-SNO
Sun Microsystems
Suedbank
Synlabs, Inc.
Telwest Broadband
Telia Research
Telia
The Financial Services Roundtable/BETS
The Open Group
The Sage Group PLC
The University of Chicago is Operator of Argonne National Laboratory
True Technologies
Toyota InfoTechnology Center USA, Inc.
Trilogica Inc.
TRUSTe

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VeriSign, Inc.
Vias International
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Waterforest Consulting Services
WaterWare Internet Services, Inc.
Wave Systems
Wavecat Technologies, Inc.
Widgetal Communications
Wells Fargo
Wireless Routing Center Limited
Workscape, Inc.
Xerox Corporation
Yodlee, Inc.