



# Liberty Alliance

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# What The Industry Needs

- Ubiquitous, **interoperable**, privacy-respecting, identity layer:
  - Liberty represents all constituencies toward this objective
    - (vendors, enterprise, government, consumers, universities, SME's, etc.)
  - Must be an open, collaborative system vs. single vendor strategy
  - Identity is important & complex. We must come together OR:
    - industry will become more fractured
    - governments will intervene
- Privacy-compliant practices to exchange identity information
- Standards-based model to ...
  - Interoperate in heterogeneous environments
  - Avoid proprietary vendor lock-in
  - Provide flexible foundation for future growth
  - Scale to the WWW
- Consumer & enterprise confidence that security, privacy and data integrity will be maintained.

# Who is Liberty Alliance?

150 diverse member companies and organizations representing leaders in IT, mobility, government, service provision, system integration and finance working collaboratively to address the technology, business and policy aspects of digital identity management

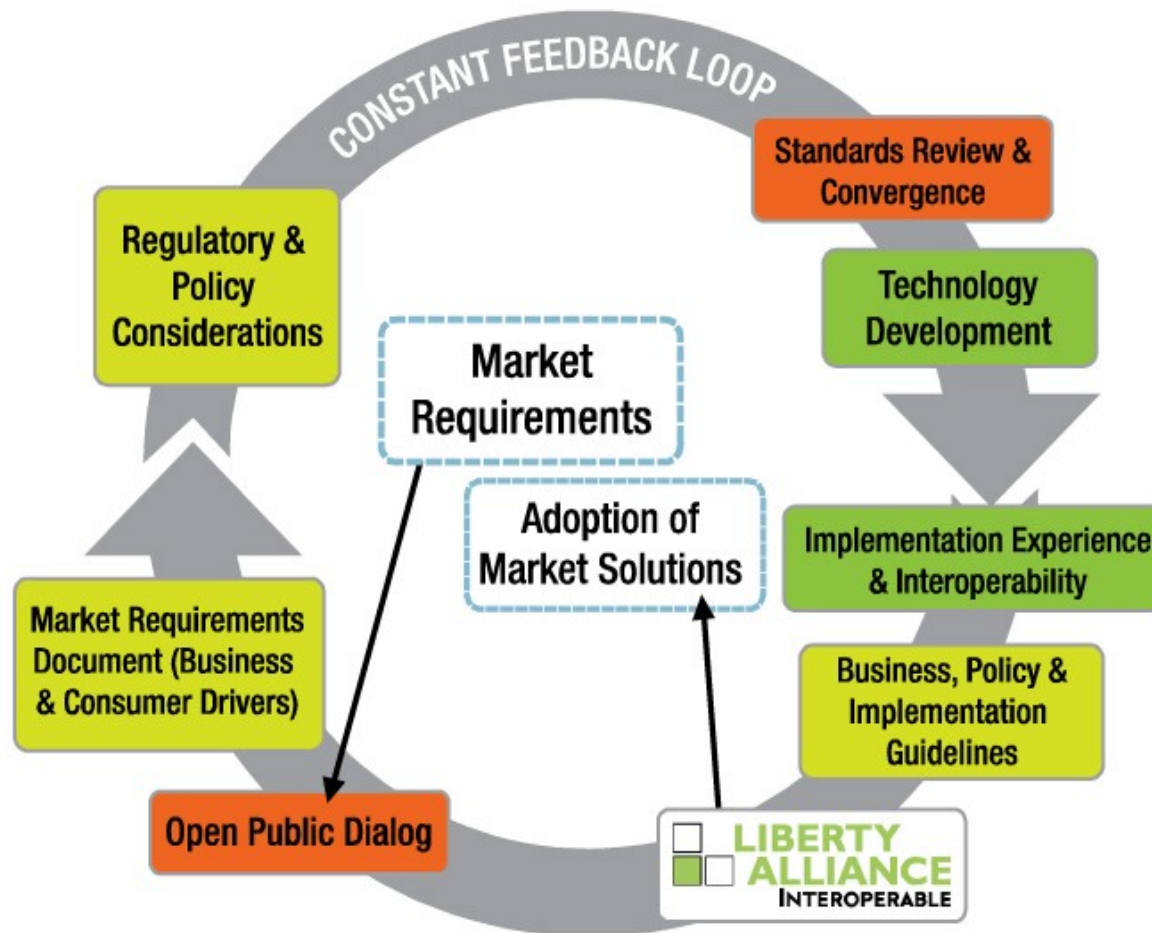
## Management Board



## Members include...



# How Do We Get Things Done?



# Who is implementing our standards?



SAML 2.0 (test procedure v2.0)			IdP	IdP Extended	IdP Lite	SP Complete	SP Extended	SP Lite	ECP	Attribute Authority Responder	Attribute Authority Requester	Event Date
CA	SiteMinder®	6.0 SP5			■			■				Dec 2006
Entr'ouvert	Lasso	2.0			■			■				Dec 2006
Entrust	Entrust GetAccess™	7.1 SP2	■			■				■		Jul 2006
Ericsson	EIC	1.0	■	■								Dec 2006
Ericsson	EIM SPT	1.0				■	■					Dec 2006
HP	OpenView Select Federation	6.60	■	■		■	■		■	■	■	Jul 2006
NTT	IdLive	4.0	■	■		■	■		■	■	■	Dec 2006
NTT Software	TrustBind Federation Manager	1.0	■	■		■	■		■	■	■	Dec 2006
Oracle	Identity Management	10g	■			■						Jul 2006
Ping Identity Corporation	PingFederate	4.1			■			■				Jul 2006
Symlabs	Federated Identity Access Manager (FIAM)	3.1	■	■		■	■		■	■	■	Dec 2006

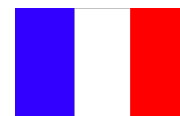
# Who is deploying?: One Billion and Growing

see - <http://projectliberty.org/index.php/liberty/adoption>



More than one billion Liberty-enabled identities and devices in the marketplace today...

*The de-facto standard for  
Identity Federation*



Organizations moving  
from  
early deployment  
strategies  
to mapping ROI



“...authentication integrated into a centralized identity management system is about one fourth the cost.”



“...Liberty Federation has reduced the cost of manual transactions in the Finland Tax Office to approximately 10-50 cents, representing a cost savings of upwards of 95%”



“...T-Online found that ‘each click a user was required to make reduced usage by 10%.’ Federation has reduced the required number of “clicks.”

# What's the Problem?

- Barriers persist for widespread deployment:
  - Standards confusion exists
  - Identity selector interoperability
  - Inter-organizational “trust” is hard to scale
  - Enterprises are struggling to comply with “consent” regulation
  - The market is confused
  - Enterprise PoC's are non-trivial to stand up
- What is Liberty doing to overcome these?...

# How to address the new challenges

- Introducing The Concordia Project
  - A new program designed to drive interoperability throughout the Internet Identity Layer
  - Global, cross-initiative collaboration
  - A public call for interop use cases for heterogeneous environments
  - Expansion of Liberty's interoperability testing to meet new and varied requirements
  - Open source support for relying parties



**Liberty ID-WSF 2.0  
Marketing Requirements Document**  
Version: 1.0

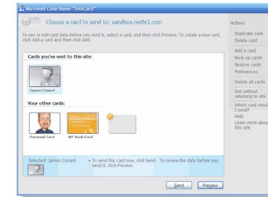




# Concordia Brings Together Disparate Initiatives

inames

OpenID



OPENLIBERTY  
SECURE IDENTITY WEB SERVICES

LIBERTY  
ALLIANCE  
PROJECT

W3C

OASIS

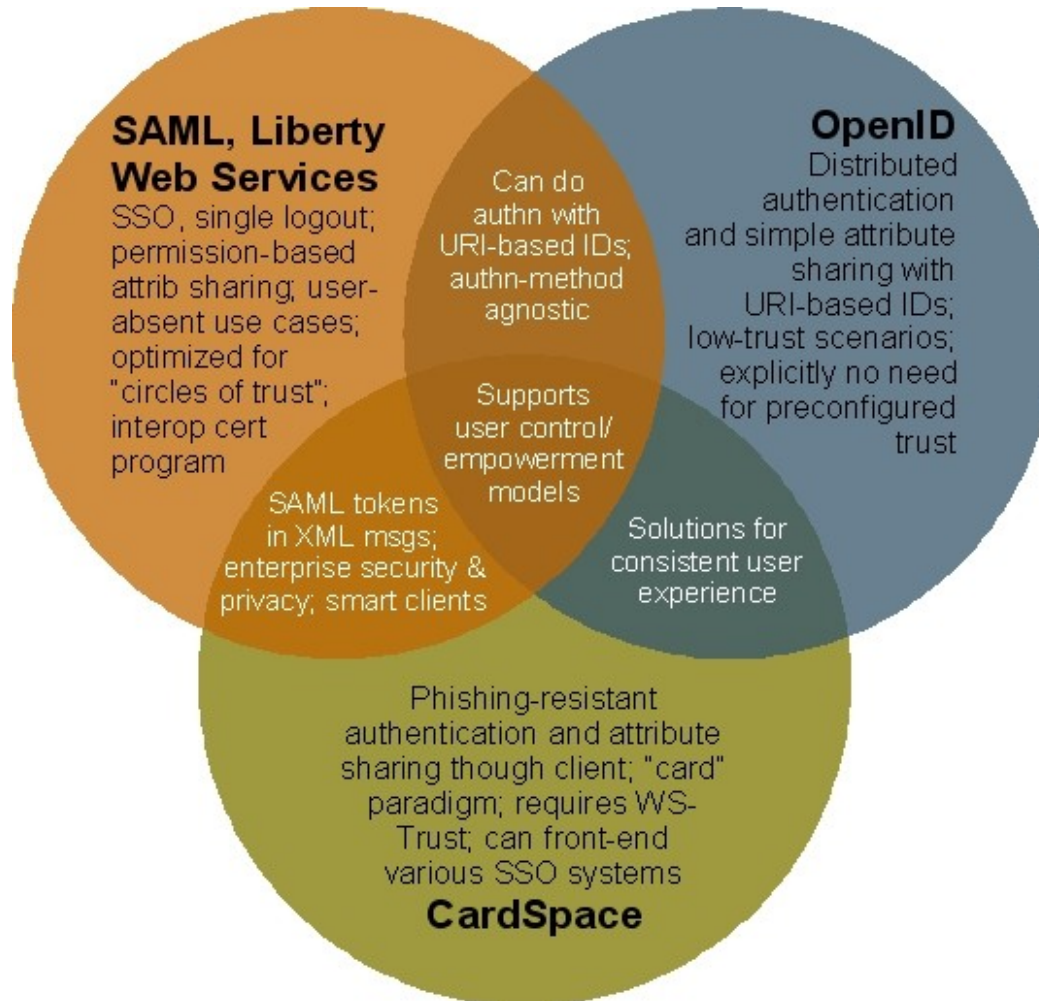


Identity Open Space

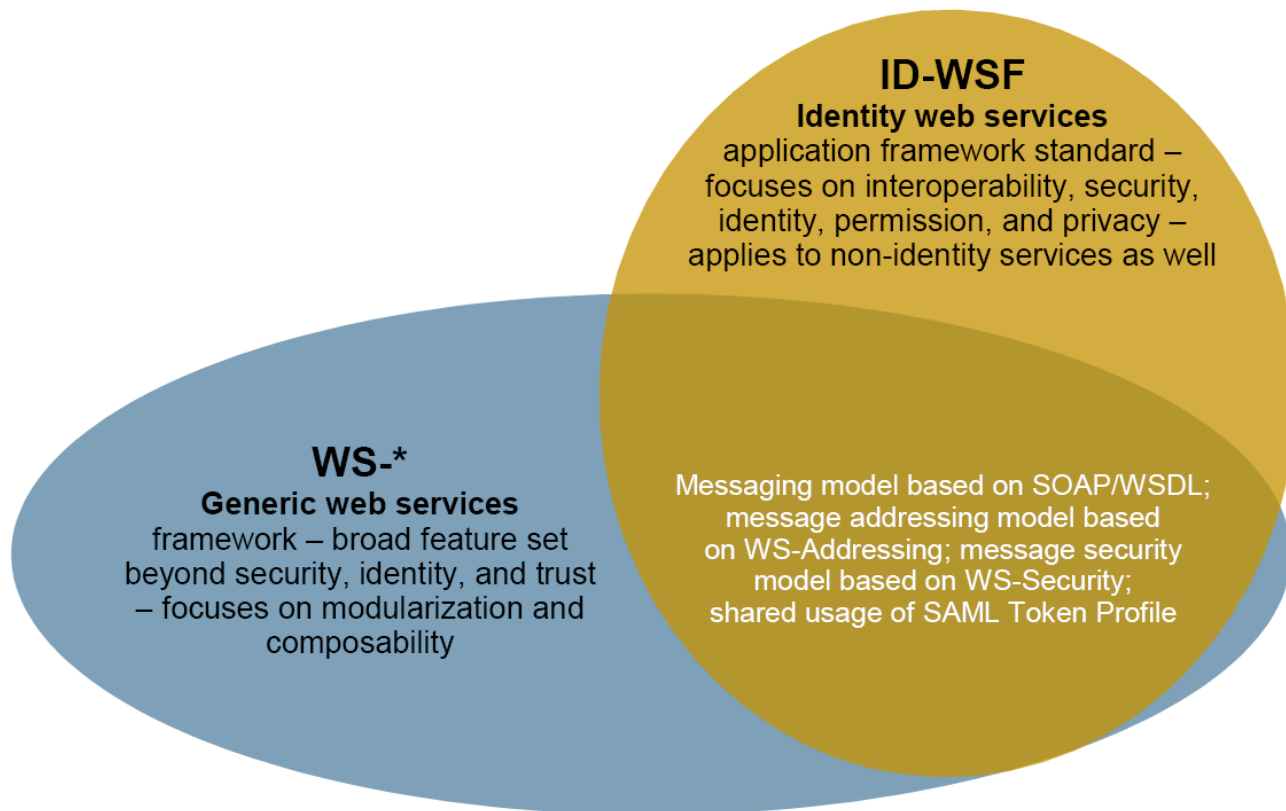
In collaboration with Liberty Alliance 

LIBERTY  
ALLIANCE  
INTEROPERABLE

# Potential Unification Touch Points



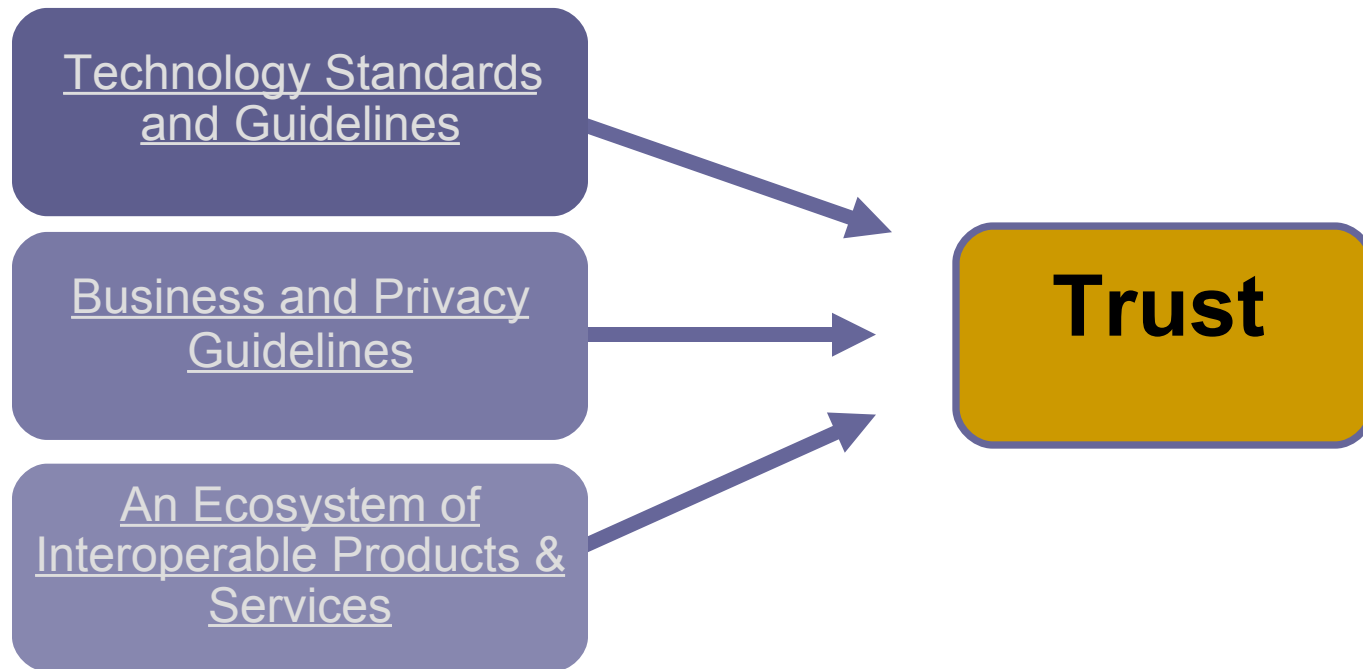
# Liberty's Identity Web Services



# Concordia Components

- Open Wiki: <http://www.projectconcordia.org>
- Events
  - IOS, IIW, Catalyst, DIDW, etc.
- Use case definitions
  - More than 20 submissions, including detailed use cases from AOL, Boeing, GM, Government of British Columbia, and the US GSA
- Future Interop Event(s)
- Specification work to be done in appropriate standards bodies
- Future Certification Program Support from Liberty Alliance

# Adding Certification Support for Trust



**Liberty helps organizations build a foundation for trust -- critical for the overall success of identity-based services and efficiencies**

# Identity Assurance Expert Group

- Newly formed Identity Assurance Expert Group (IAEG) designed to foster adoption of identity assurance services
- Initial contributions from EAP and U.S. E-Authentication Federation
- Objective is to create a framework of baseline policies, business rules and commercial terms against which identity assurance services can be assessed and certified
- Goal is to facilitate trusted identity federation to promote uniformity and interoperability amongst identity service providers

# IAEG Trust Framework

- Utilizes EAP Trust Framework and US e-Authentication Federation Credential Assessment Framework as a baseline
- Harmonized, best-of-breed industry identity assurance standard
- Framework supporting mutual acceptance, validation and lifecycle maintenance across identity federations
- Framework consists of:
  - Business Rules
  - Assurance Levels
  - Service Assessment Criteria
  - Accreditation and Certification Model

# IAEG Certification Model

- Program for auditors to execute certification/accreditation process
- Provide Identity Assurance service providers with guidelines for certifying to Liberty Alliance IAEG
- Federations certifying their members for the benefit of inter-federation and streamlining the certification process for the industry
- Liberty Alliance IAEG to provide governance over certification process
  
- Phase 1 = Identity Providers
- Phase 2 & 3 = Relying Parties and Federation Operators



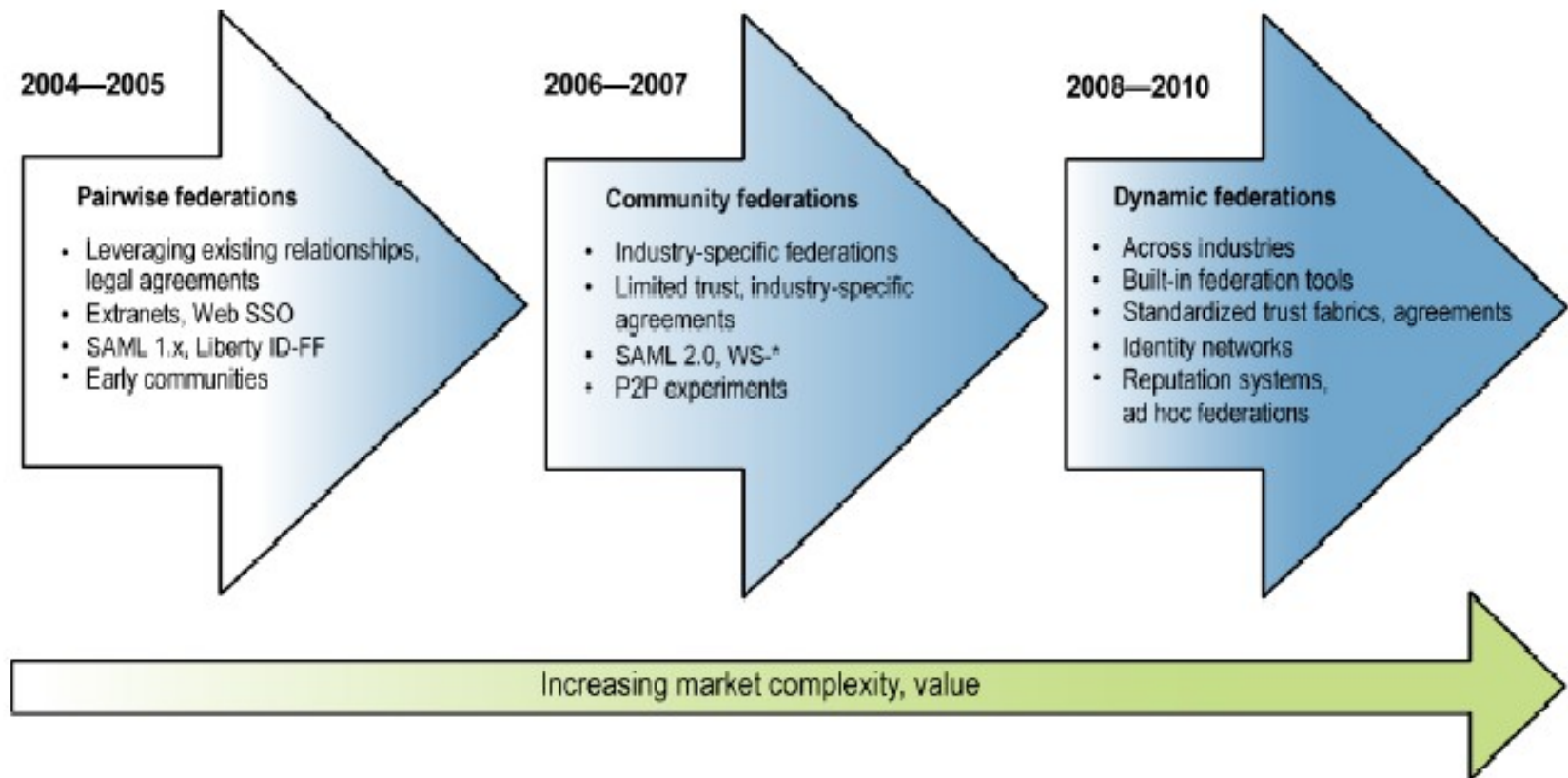
# IGF to help industry meet regulation

- Increasing legal and regulatory concern about access to identity-related data about users
  - Privacy concerns: HIPAA, SB 1386, theft of user data
  - Compliance: SOX, GLB, EU legislation
  - Who has access to my social security number or account number, and, under what conditions?
- Effective business applications require flexible access to data about users
  - Value of data held by enterprise lies in its use!
  - Application developers should focus on business requirements not on protocols or identity stores
- **CHALLENGE:** Need an enterprise-wide framework for managing access to identity-related data provided by multiple sources

# Identity Governance Framework

- **CARML** – Defines application identity requirements
  - what identity information an application needs and how the application will use it.
- **AAPML** – Defines identity use policies (XACML)
  - Constraints on user and application access to personal data
  - obligations and conditions under which data is to be released
- **Attribute Service** – Links applications to identity data
- **Developer APIs/Tools** – Developers can express identity requirements at a business level at development time
  - Key to IGF adoption/use

# Moving the Industry Forward



**Figure 1:** *Projecting Federated-Identity Adoption*

# Questions

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