Liberty Alliance Project

Chris Hankin 5 UN

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Establish an open standard for federated network identity through open technical specifications that will:

- Support a broad range of identity-based products and services
- Allow for consumer choice of identity provider(s), the ability to link accounts through account federation, and the convenience of single sign-on, when using any network of connected services and devices
- Enable commercial and non-commercial organizations to realize new revenue and cost saving opportunities that economically leverage their relationships with customers, business partners, and employees
- Improve ease of use for e-commerce consumers

of the Liberty Alliance

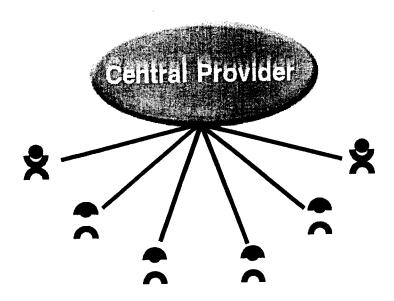
- Simplified Sign-On: Provide an open simplified sign-on specification that includes federated authentication from multiple providers operating independently, simplified access across multiple accounts within a trust community, and portable on-line identity
- Enhance Constituent Relationships: Enable commercial and noncommercial organizations to control, maintain and enhance relationships with constituents
- Support All Devices: Create a network identity infrastructure that supports all current and emerging network access devices
- Enable Consumer Privacy: Enable commercial and non-commercial organizations to protect consumer privacy
- **Support Interoperability:** Provide a mechanism supporting interoperability with existing systems, standards, and protocols





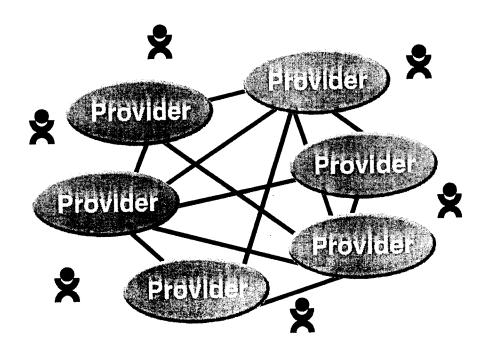
Centralized Model

- Network identity and user information in single repository
- Centralized control
- Single point of failure
- Links similar systems



Open Federated Model

- Network identity and user information in various locations
- No centralized control
- No single point of failure
- Links similar and disparate systems



to ATM Networks

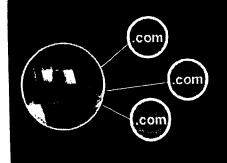
Separate Cards with Each Bank

Bank A ATM Card

Bank B ATM Card

Bank C ATM Card

Individual Accounts with Many Web Sites



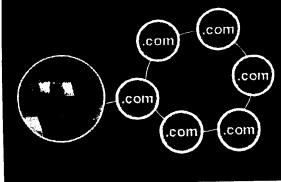
Linked Cards within Bank Networks

Bank ATM Network A

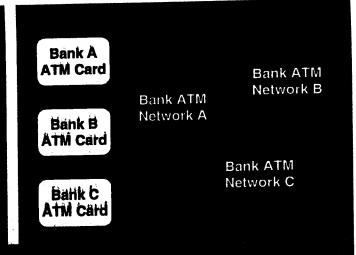
Bank ATM Network B

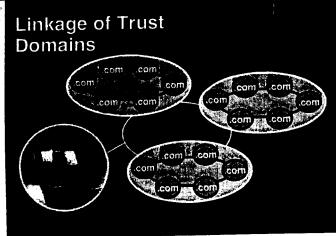
Bank ATM Network C

Federated Accounts within Trust Domain



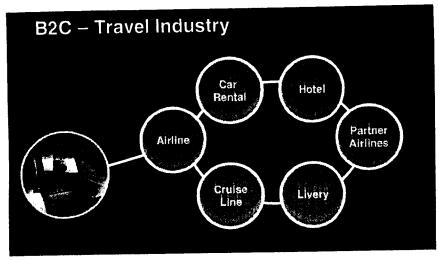
Seamless Access Across all Networks

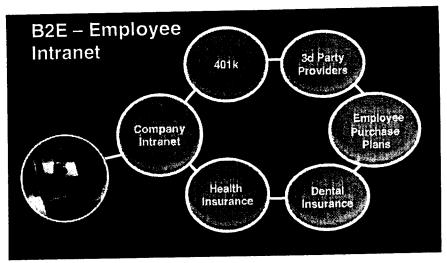


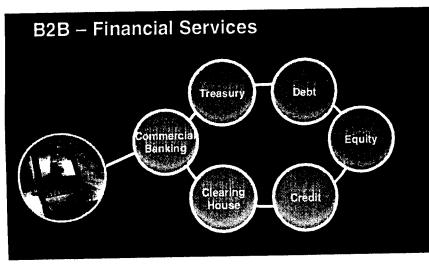


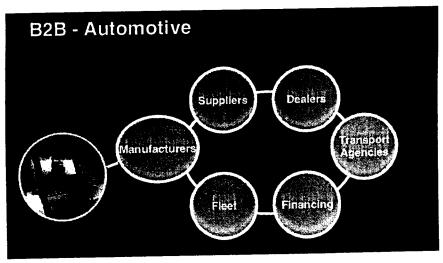


Examples of Trust Domains











Specifications: A Phased Approach

Approach Drivers

- Support rapid acceptance and deployment?
- · Easy incremental adoption

Version 1.0

- Federated network identity
- Opt-in account linking and simplified sign-on within an authentication domain created by business agreements
- Security built across all the features and specifications

Future Versions

- Permissions-based attribute sharing
- Schema/protocols for core identity profile service
- Simplified sign-on across authentication domains created in version 1.0 by business agreements
- Delegation of authority to federate identities/accounts

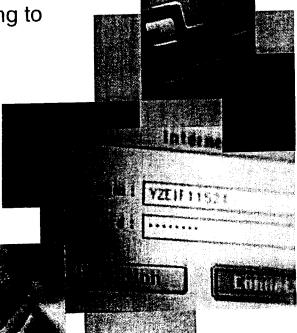
Specification

Federated Network Identity and Authentication Sharing

 Enhance "Affinity" Relationships: Enable organizations to enhance business relationships by mutually recognizing user authentication across service offerings

Simplify User Experience: Enable users to login at an organization's site and then go to a linked site without having to re-authenticate or re-establish identity

Enhance Intra-Enterprise Relationships:
Enable organizations to consolidate identities within their own extended enterprises, enabling customers or employees to move seamlessly from one service to another without having to re-establish their identity or re-authenticate at every site





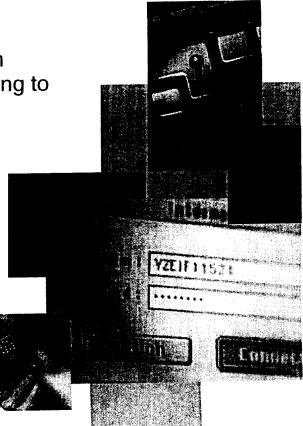
Objectives for Version 1.0 Specification

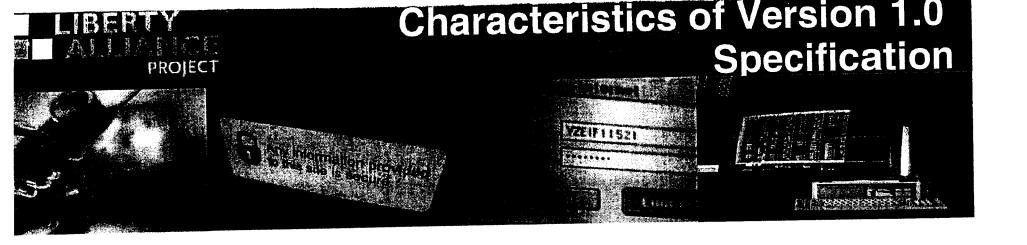
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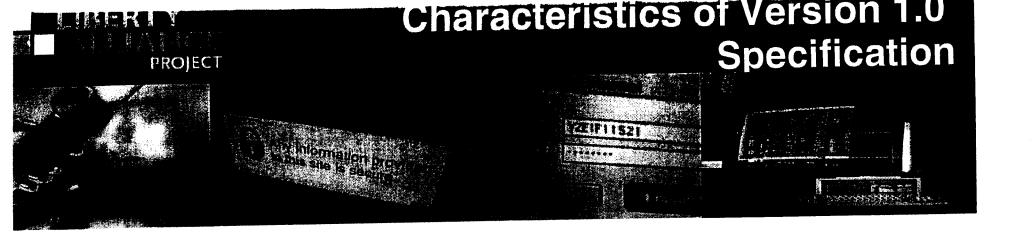
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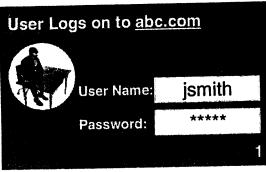
- Opt-in account linking mechanism
 - · Federated network identity and authentication sharing mechanism that is easy to use and interoperable with existing identification systems
- · Simplified sign-on
 - · For linked accounts
- Improved consumer confidence
 - Extend the best available security measures to identity sharing
 - Provide organizations with guidance about how to provide consumers with permission controls for federated network identity and authentication sharing



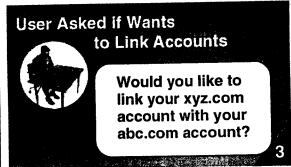
- Decentralized approach
 - A fully federated architecture, enabling greater user security and a choice of identity providers
 - Accelerated time to market for identity based services
- Open
 - Open, platform and technology neutral specification
- · Interoperability
 - Will seek to ensure interoperability with existing systems, standards, and protocols



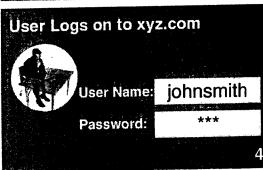
Sample Version 1.0 User Experience





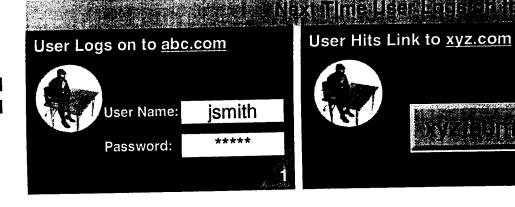


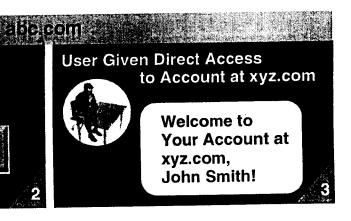
Account Federation





Federated Simplified Sign-On







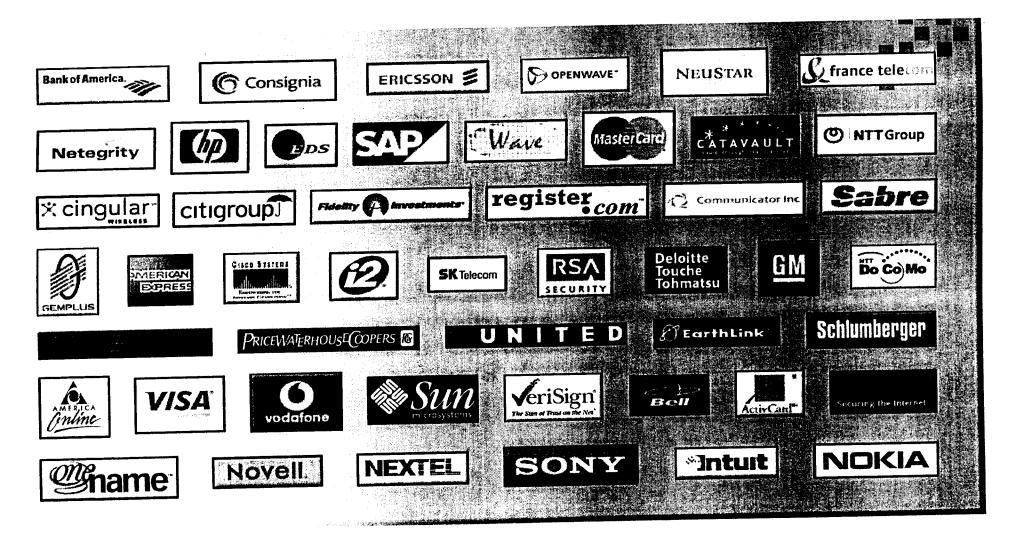
Version 1.0 Specifications Functionality

- Opt-in account linking Users can link their accounts with different service providers within "circles of trust"
- Simplified sign-on for linked accounts Once users' accounts are federated, they log-in, authenticate at one linked account and navigate to another linked account, without having to log-in again
- Authentication context Companies linking accounts communicate the type of authentication that should be used when the user logs-in
- Global log-out Once users log-out of the site where they initially logged in, the users can be automatically logged-out of all of the other sites to which they were linked
- Liberty Alliance client feature Implemented on client solutions in fixed and wireless devices to facilitate use of Liberty version 1.0 specification





- 45 sponsors
- Affiliate and associate memberships opened May 29, 2002



Membership Levels

Sponsors

- Full participation and voting in any or all.

 Expert Groups
- Can run to till Management Board vacancles
- Representatives canbe officers in Expert Groups

Associates

Gan view and common view of the common of draft case specifications prighting public release.

Access to alliance member web site and semi-articipants.

Participants.

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Affiliates

For government agencies, educational institutions; and non-profit organizations only

Have same privileges as

Associate members

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