Multi-Community Identity Federation

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Current Extranet Identity solutions - Protocol-centric Silos

Identity Solutions
- B2B Relationships
  - WSS / WS-*
- Partner Networks & Consortiums
  - SAML Federation
- Internet Commerce
  - Proprietary or None
- Social Networks / Blogs
  - OpenID

Protocols
- Token
- X.509
- SAML
- SAML
- SAML

Tokens
- Trust Models
- Point-point E-Business Trust
- Circles of Trust
- Site controlled / mediated
- User Mediated Dynamic Trust

Trust Models

User Mediated Dynamic Trust

Internet Commerce

Proprietary or None

SAML Federation

WSS / WS-*
Multi-Protocol IDM & Federation Suites

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Trust Models

- Point-point E-Business Trust
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Current Extranet Identity solutions - Protocol-centric Silos

- Protocol-centric Identity silos
  - Built on a foundation oriented towards enterprise-controlled policy and trust models
  - Consumer Identity models are glued on
  - Inflexible coupling between protocols with trust models
  - Difficult to support users spanning communities & solutions spanning environments
  - Duplication of infrastructure: Lack of sufficient sharing and cross-function leverage of infrastructure
Emerging requirements – Enabling Enterprise Users in a Multi-Community World

B2B Partner Communities

Enterprise Users

WSS / WS-*

Federation Protocol Facades

SAML

OpenID RP Sites

OpenID

Multi-Community ID Federation (IDP)

Partner circle of trust
Emerging requirements – Enabling External Users in a Multi-Community World

B2B Partner Communities

OpenID User Communities

OpenID Providers

Enterprise Services & Portals

Partner circle of trust

Federation Protocol Facades

COT Communities

COT IDPs

WSS / WS-*

OpenID

WS-*

SAML

Multi-Community ID Federation (SP)
Extranet Identity solutions - Emerging requirements and drivers

- Growing number of organically formed & continually changing user communities
  - Mix of enterprise-driven *and* community-driven business models and associated trust models
  - Mix of high value and low value (high volume) transactions
- Increasing need for cross-function leverage of identity infrastructure
  - Prevent infrastructure fragmentation
  - Prevent escalation of cost and complexity
  - Enable consistent enforcement of security policies among solutions
Multi-Community Identity Federation
– Heterogeneity & seamless co-existence

Identity Solutions
- B2B Relationships
- Partner Networks & Consortiums
- Internet Commerce
- Social Networks

Protocol Facades
- WSS / WS-*
- SAML Federation
- OpenID

Token Handling
- Kerberos
- X.509
- SAML
- OpenID

Trust Models
- P2P Trust
- Circle of Trust
- User Mediated Trust

Attributes & Claims
- Roles and Entitlements
- SSO & Session Mgmt
- Trust & Risk Policies
- Credential & Token Handling
- I-Card Issuance & Lifecycle mgmt

IAM Shared Services Foundation
Multi-Community Federation - Benefits

• Consistent enforcement of policies across communities
  • Risk policies, privacy, authorizations etc.
  • Session management & global sign-off

• Shared services and single point administration across solutions
  • Attributes/claims, roles and entitlements
  • Card issuance & lifecycle
  • Policies: Privacy, risk, trust and entitlements
Q&A
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