

Services Specifications: Realizing New Business Capabilities

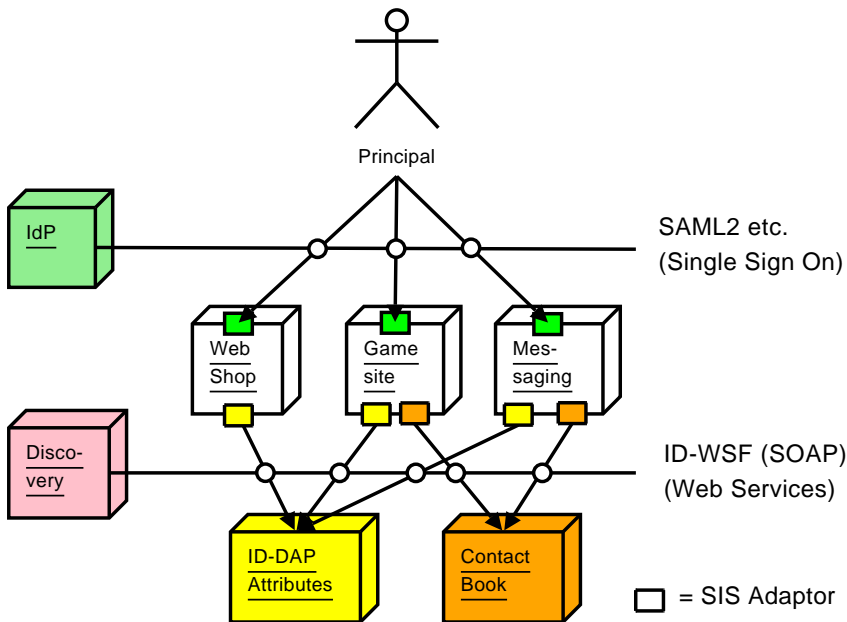
Liberty Alliance Workshop

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1. Introduction and agenda

- Sampo Kellomäki (sampo@symlabs.com)
 - Speaking for Antonio Navarro (antonio@symlabs.com)
 - Liberty ID-SIS specifications
 - Symlabs has been active contributor in the services group



2. ID-SIS and its place in Liberty specs

- Vertical specific implemetations of the Liberty architecture
- Build on the framework
- Concrete applications that actually DO something
- ID-SIS spec can act as a profile indicating how things glue together
- ID-SIS spec can be a Service Oriented Architecture (SOA) for a vertical
- Best practices

**Liberty
Federation
Framework
ID-FF
SAML 2.0**

Enables identity federation and management through features such as identity/account linkage, Simplified Sign-On, and simple session management.

**Liberty Identity Service Interface
Specifications (ID-SIS)**

Enables interoperable identity services such as personal identity profile, contact book, presence, and so on

**Liberty Web Services
Framework (ID-WSF)**

Provides the framework for building interoperable identity services, permissions based attribute sharing, identity service description and discovery, and the associated security profiles.

Liberty specifications build on existing standards
(SAML, SOAP, WS-Addressing, WS-Security, XML, etc.)

3. Examples of ID-SIS standards

- CB - Contact Book
- CSM - Content Services Messaging (aka ID-Messaging)
- ID-DAP - Identity based Directory Access Protocol
 - with extensible data schema
- PP - Personal Profile
- EP - Employee Profile
- GeoLoc

3.1 ID-WSF infrastructure that Complements ID-SIS

- Discovery Service
- People Service (designed to connect to Contact Book)
- Accounting Service

4. Examples of ID-SIS like specs outside Liberty

- ID-HR-XML
 - about to be brought into Liberty Services Group
- Medical drafts
 - ID-SIS Personal Health Record (PHR)
 - ID-SIS Continuity of Care Record (CCR)
- Payment service (Fidelity research project; eBiz Mobility)
- Calendar (Fidelity research project)

5. Extending your capabilities

Objective To be able to give access to your business capabilities inside a federation environment, in order to make money.

6. Why

- To be able to share them in a SAML/WS environment
- Share with partners, subcontractors, remote offices
- Composability with other providers services
- Service Oriented Architecture

7. What Liberty provides

- standards (for invocation, accounting, security)
- privacy
- security
- auditability
- extensibility
- interoperability
- discovery
- cross principal permission/sharing (people service)

7.1 What Liberty provides 2

- Vendor community
- Deployer community
 - Deployer community input to process
- Forum for getting standards done
- Interops
- Certification
- IPR framework

8. Liberty Services Process

1. Charter, gather interested parties
2. Marketing Requirements
3. Specification
4. Dissemination
 - Potential interop or certification activities
 - Potential reference implementation or open source
 - Tradeshows and PR
5. Revise and improve

8.1 Unofficial Alternative Process

1. Prototype implementation
2. Specification
3. Marketing Requirements
4. Charter
5. Rubber stamp it

8.2 Starting a New Service Specification

- Minimum 3 members needed to propose new spec
 - The more the merrier
 - Without interested parties that contribute work, specs will not go very far
 - Gauge true interest and commitment
- Ideally group should have at least one of each
 - Deployer organization with
 - domain expertise and
 - business case
 - Vendor/implementor organization
 - Liberty expert
 - Possibly end user representation (if different than deployer)

8.3 Work and Timeline

- Minimum theoretical time from idea to spec is about 6 months
- In practise takes at least a year
- Useful outputs can be published much earlier in draft form
- Typical roles
 - Chair (and sometimes vice-chair)
 - Spec editor (often a Liberty expert such as myself)
 - Domain experts
 - White paper author / Marketing oriented person
 - White paper / marketing contributors and reviewers
 - Technical contributors and reviewers
- Methods of work
 - Face to face meetings (often hosted by deployer)
 - Conf calls

9. Recommendations

- Use the Data Services Template / CRUD abstraction *if* doing data service
- Link user identity to the service being accessed
- Use the existing ID-SIS specifications as template, example, guideline, or best practices
- Start small
- Use only what you need
- Create consensus
- Document

9.1 Upgrading an Existing Spec

- If vertical already has a non identity spec, just upgrade it
- Getting a Liberty expert on board early will help you identify how it glues to Liberty world - what can be reused and what should be newly specified
- Success stories
 - Messaging (MM7)
 - Geoloc (MLP)
 - Contact Book (vCard)
 - ID-DAP (LDAP/LDIF)
 - ID-HR-XML (plain HR-XML) (WIP)

10. Q&A

- Your questions, please
- http://www.projectliberty.org/liberty/specifications__1
- <http://www.projectliberty.org/liberty/membership>
- Please feel free to contact me or Liberty Alliance staff
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Acronym Expansion

ID-WSF Liberty Alliance Identity Web Services Framework

IdP Identity Provider (SAML role, asserting party, credential authority)

SP Service Provider (e.g. web site) (SAML role, relying party)

WSC Web Services Client

WSP Web Services Provider

DS Discovery Service

TokM Token Mapping Service

PS People Service

DST Data Services Template