LIBERTY ALLIANCE PROJECT

Secure Identity Provisioning for Liberty Advanced Clients

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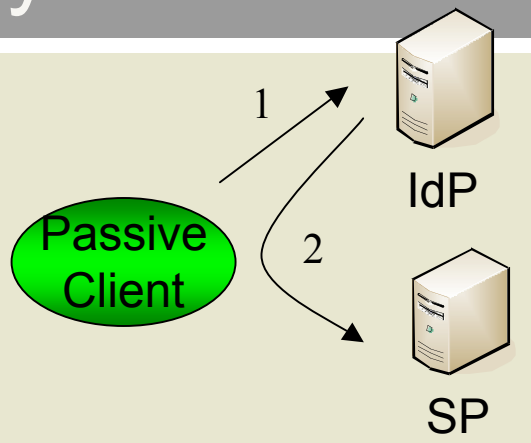
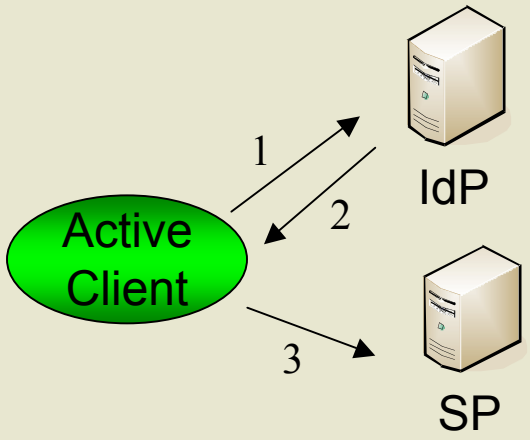
Evolution of Liberty Clients

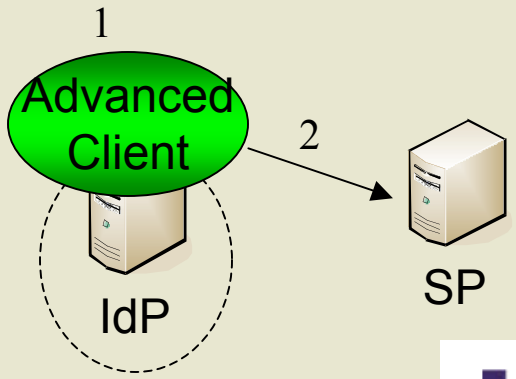
- Passive Client (Web Browser)
  1. User authenticates to IdP over network
  2. IdP delivers authentication assertions to relying parties



- Active Client (Client Application)
  1. Client authenticates to IdP over network on behalf of user
  2. IdP delivers authentication assertions to client
  3. Client delivers assertions to relying parties



- Advanced Client (Trusted Module)
  1. User authenticates to trusted module
  2. Trusted module authenticates user to relying parties on behalf of IdP



Must be provisioned by IdP!

Liberty ID-WSF

- Active and Advanced Clients are built on Liberty Identity Web Services Framework (ID-WSF)

- ID-WSF is a set of specifications to build secure identity based web services over SOAP
- Includes several framework services:
  - Authentication Service (AS) - Used by Active Clients to authenticate to an IdP and obtain a bootstrap reference and security token for a *Discovery Service*
  - Discovery Service (DS) - Used to locate and obtain security tokens for other ID-WSF services
    - Security tokens contain federated pseudonym-based name identifiers (protecting privacy of users that use many services)

- Advanced Client work defining several new services, including
  - Provisioning Service (ProvS) which HP will be demonstrating

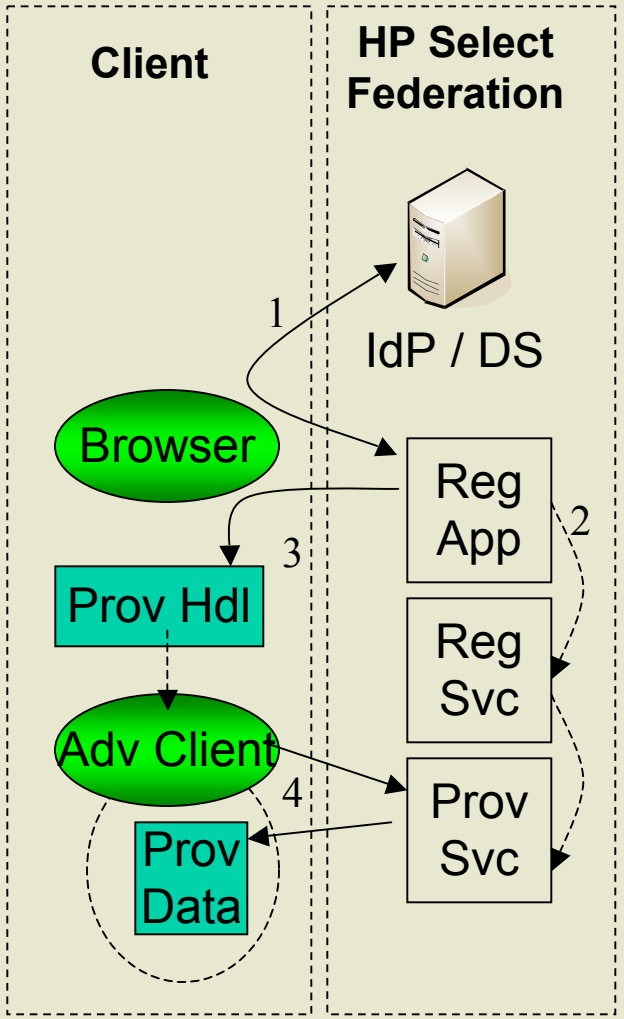
Provisioning Liberty Advanced Clients

***Registration Application* used to provision a new Advanced Client capable device**

1. User making request from client device is authenticated by IdP
2. *Registration Service* called to create *Provisioning Data* for user's device and store it with *Provisioning Service*
3. *Provisioning Handle* returned to client device (references *Provisioning Data* stored in *Provisioning Service)*
4. Provisioning Handle is de-referenced to obtain Provisioning Data and initialize Advanced Client

Note:

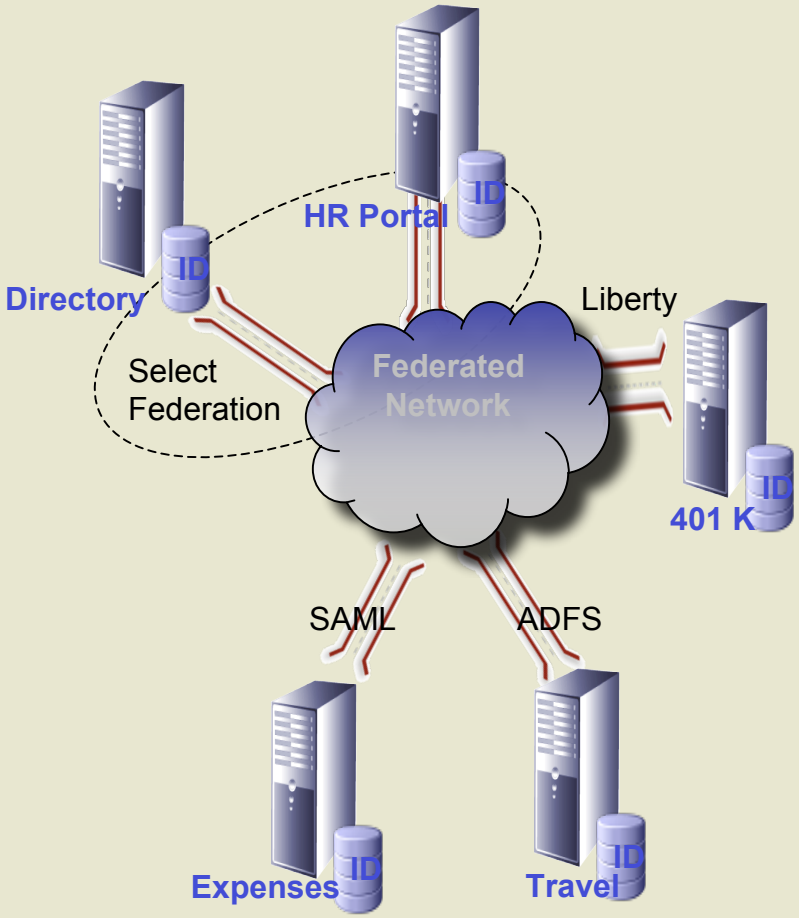
- Advanced Client software could be pre-installed on device or downloaded on demand
- Registration Application could run on client device



HP Select Federation

Model, Automate and Manage Identity Federation

- Standards-based integration of identity systems across company boundaries
  - Secure exchange of user data with external partners through Web SSO and Web Services
  - Support for all major federation protocols
  - Lower helpdesk and admin costs for external users
- End-user focused Privacy Management
  - Privacy-controlled data sharing
  - User controlled privacy preferences with Opt-in/Opt-out policies
- Architected for business continuity, scale and growth
  - 100% J2EE architecture
- Audit & Compliance
  - Integrated with Select Audit to track user activity across provisioning, access and federation infrastructures
  - Avoid liabilities and audit costs of storing external user data in your IT infrastructure



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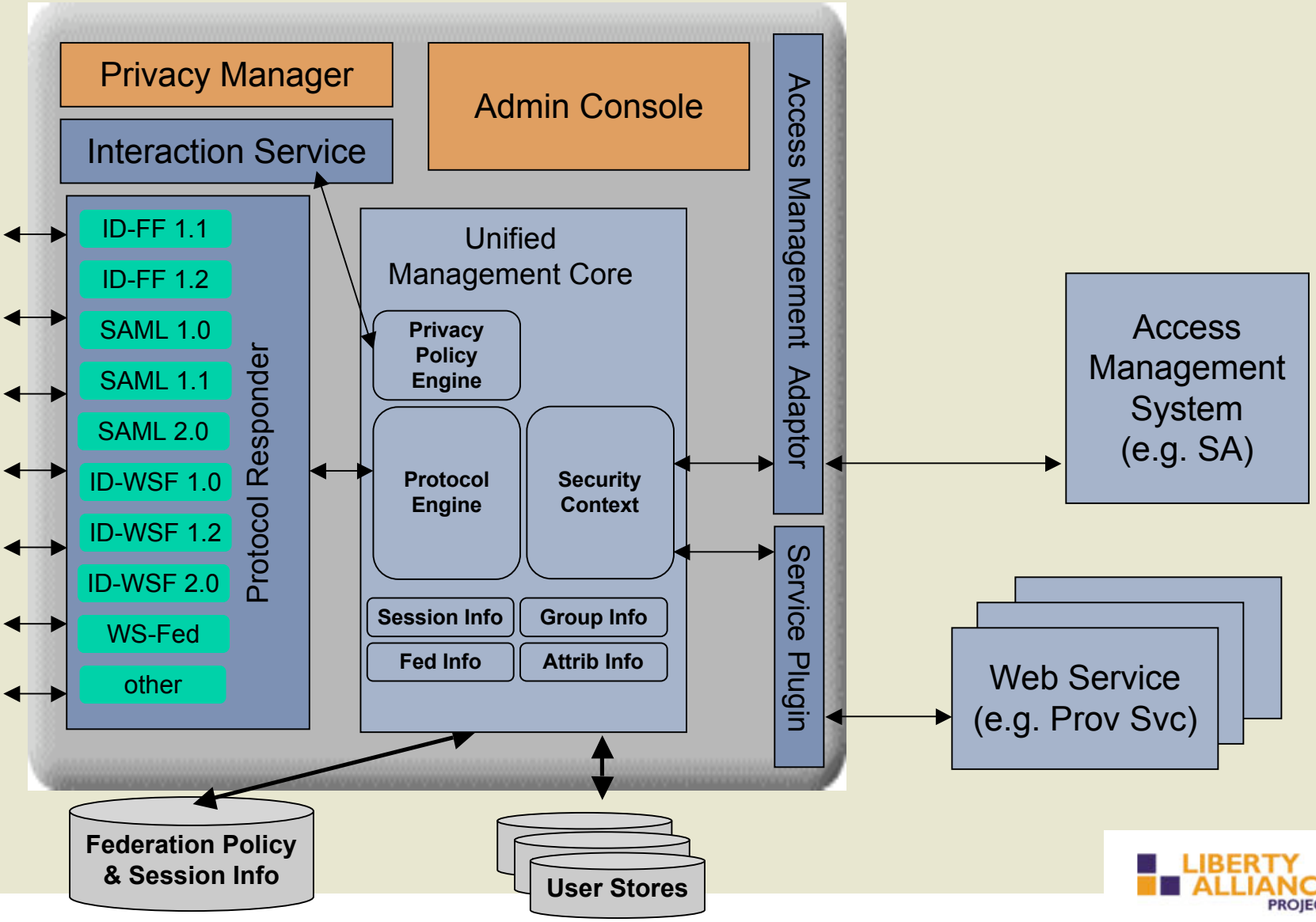
HP Select Federation Architecture



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BT / HP / Intel Demo

An existing BT customer subscribes to BT's WiFi service from a wired notebook PC in their home and then uses the instantly provisioned credentials to access BT's wireless service