Identity-Centric
Digital Public Services
“How can we align?”

British Columbia Identity Forum
Role of Public Sector

Kirk Brown

CTO Identity Practice

kirk.brown@sun.com

Agenda

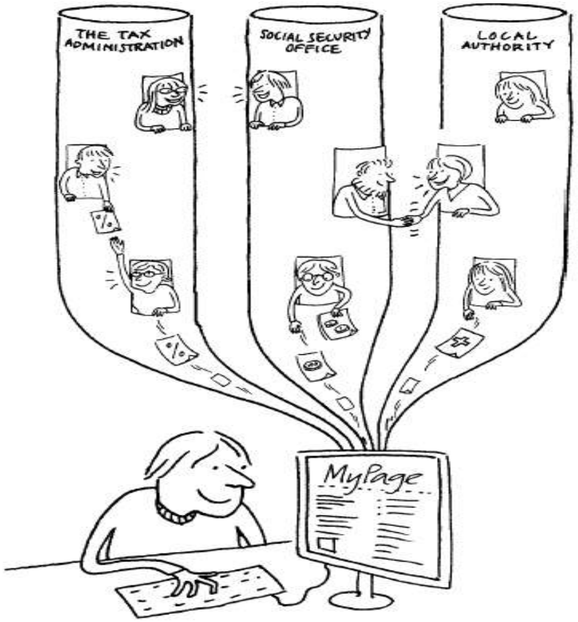
☑ **Identity & The Public Sector**

☑ Planning for Change

☑ Digital Public Service Designs

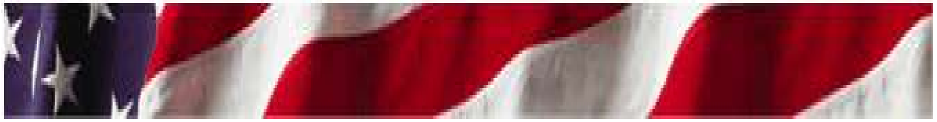
☑ Current Success in eGov

A coordinated and user-adapted public sector



No-one should be in doubt as to whom the public sector shall serve!

egov
My Government. My Terms.



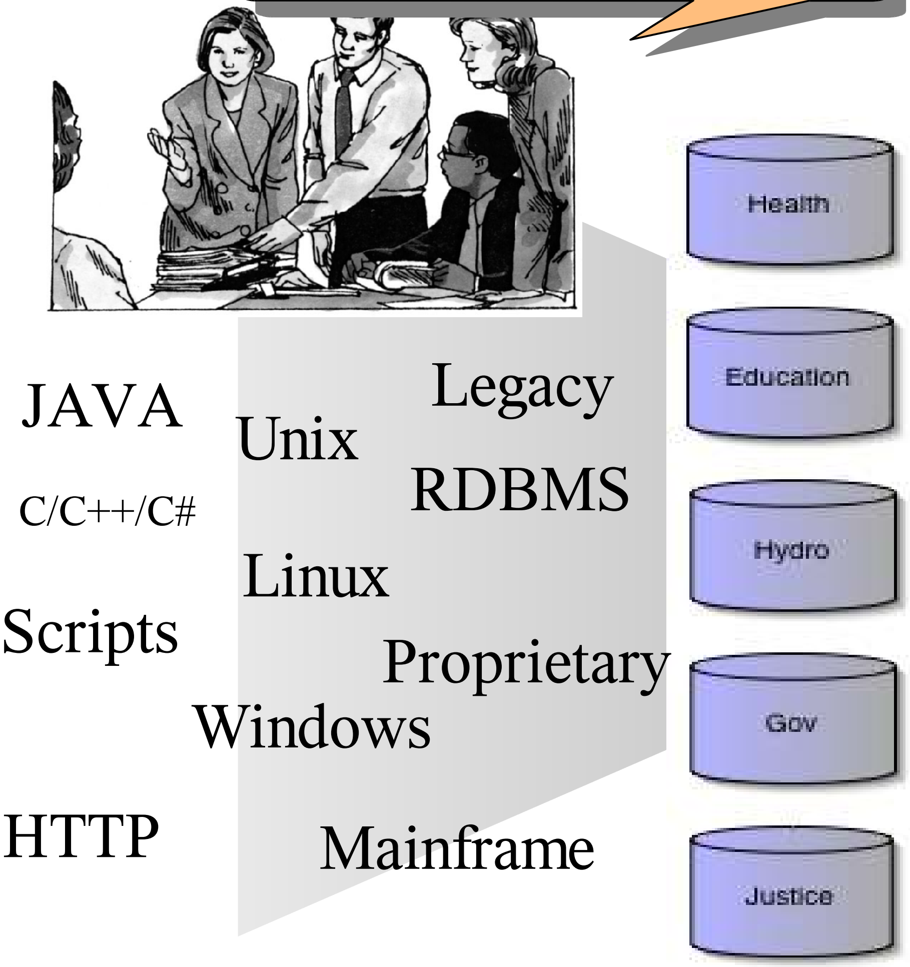
“My Government. My Terms.”

Today's Challenges

- The complex problem & ability to:
  - discover
  - access
  - authorize
  - and share information
- Multi-Source Info

  helps in:
  - Planning
  - Collaboration
  - Decision
  - Action

E-Government, Homeland Security, Dept Ministries, Natl Health, Local Gov, Environmental Management...

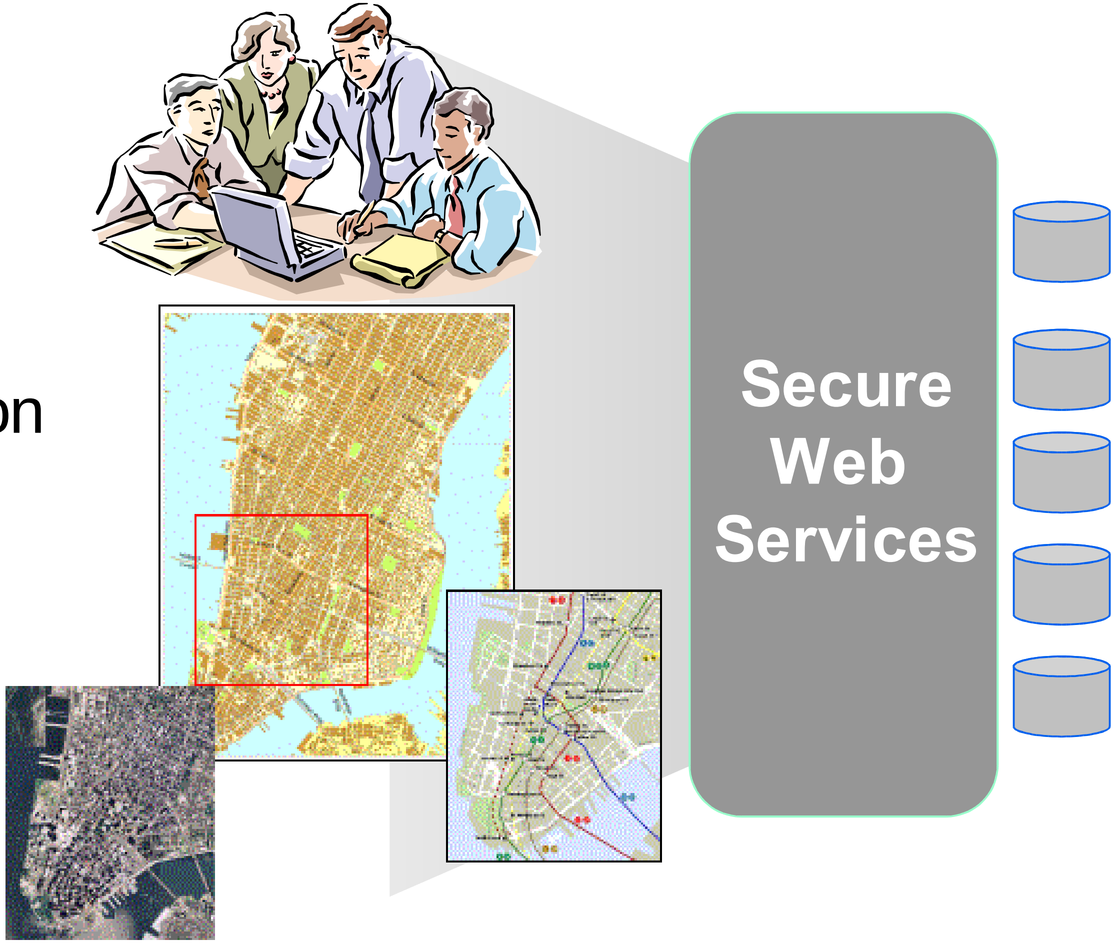


JAVA
C/C++/C#
Scripts
HTTP
Unix
Linux
Windows
Legacy
RDBMS
Proprietary
Mainframe

Source: Open GIS Consortium

Unified Systems of Citizen Support

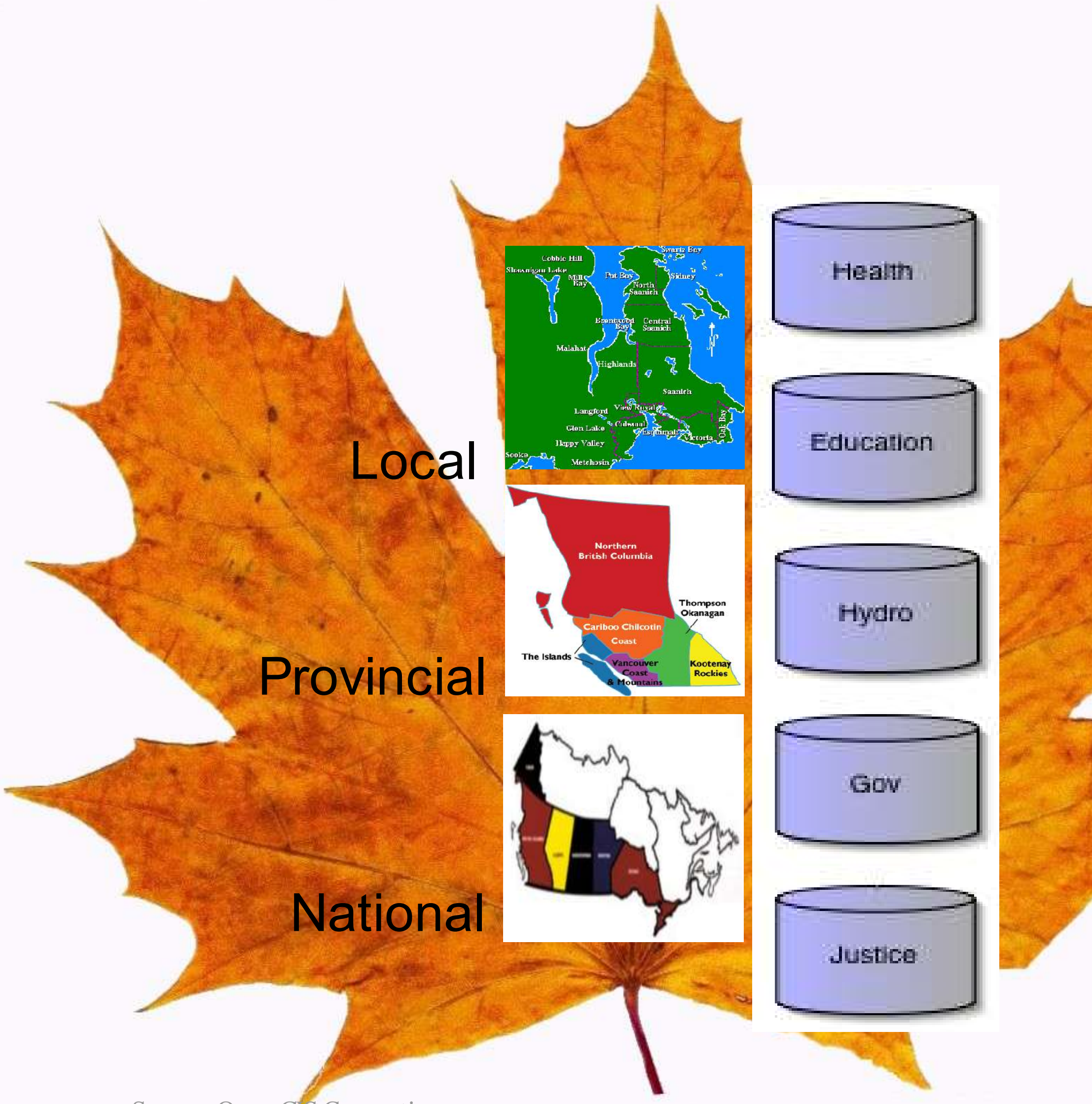
- Secure Collaboration
- Timely Information
- Relevant Information
- Accessible Information



Secure Web Services

Source: Open GIS Consortium

Power of Trust & Interoperability



Local

Provincial

National

Source: Open GIS Consortium

Once We can discover, access, integrate and share information from multiple sources, We can begin to collaborate.

Interoperability is a key to information sharing.

Trust is the key to acceptance.

Best Practices:Digital Public Sector

For **Citizens**

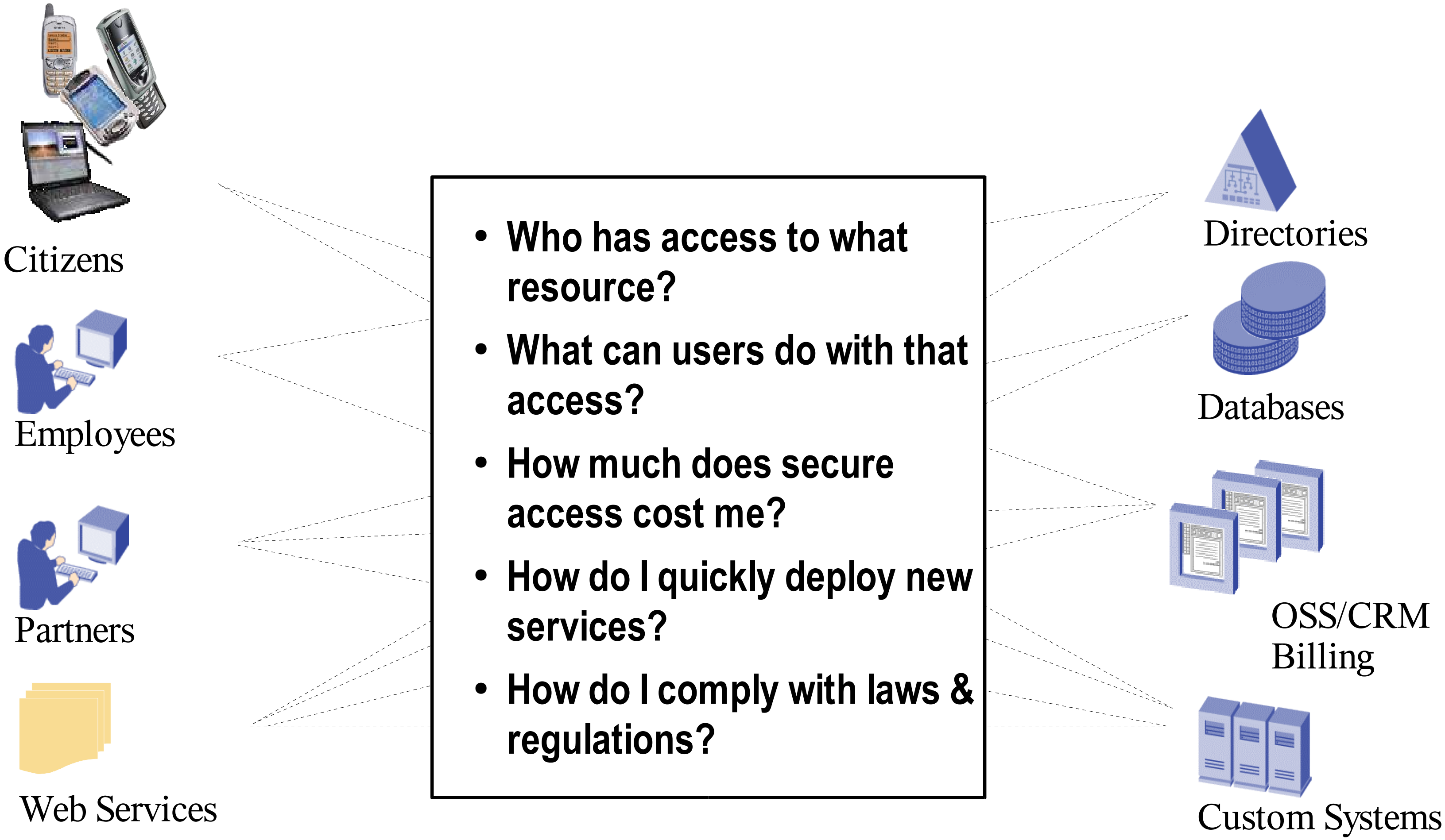
- Gov wants everyone to have the opportunity to participate in the “information society”.
- Digital services must be adaptable and focused on the needs of the individual.
- Ensure good digital skills throughout the population.
- Prepare for exceptional privacy and data protection.
- Contribute towards a “culture” of information security and engender more trust with each transaction.

- Manage access to online services and knowledge.

Best Practices:Digital Public Sector **For Business & Industry**

- Government creates a good framework for:
  - Promoting value creation thru innovation and change
  - Services that simplify interactions, reduce paperwork
  - Reasonable access to public sector info that can be used to create new valued services
  - Ecommerce to increase competitiveness
  - Research and development enablement: international leaders in the use of technology, skills and knowledge.
  - A government driven process approach to policy creation....this is not a technology issue.

Identity is a Core Requirement



Citizens

Employees

Partners

Web Services

- Who has access to what resource?
- What can users do with that access?
- How much does secure access cost me?
- How do I quickly deploy new services?
- How do I comply with laws & regulations?

Directories

Databases

OSS/CRM Billing

Custom Systems

Agenda

☑ Identity & The Public Sector

☑ **Planning for Change**

☑ Digital Public Service Designs

☑ Current Success in eGov

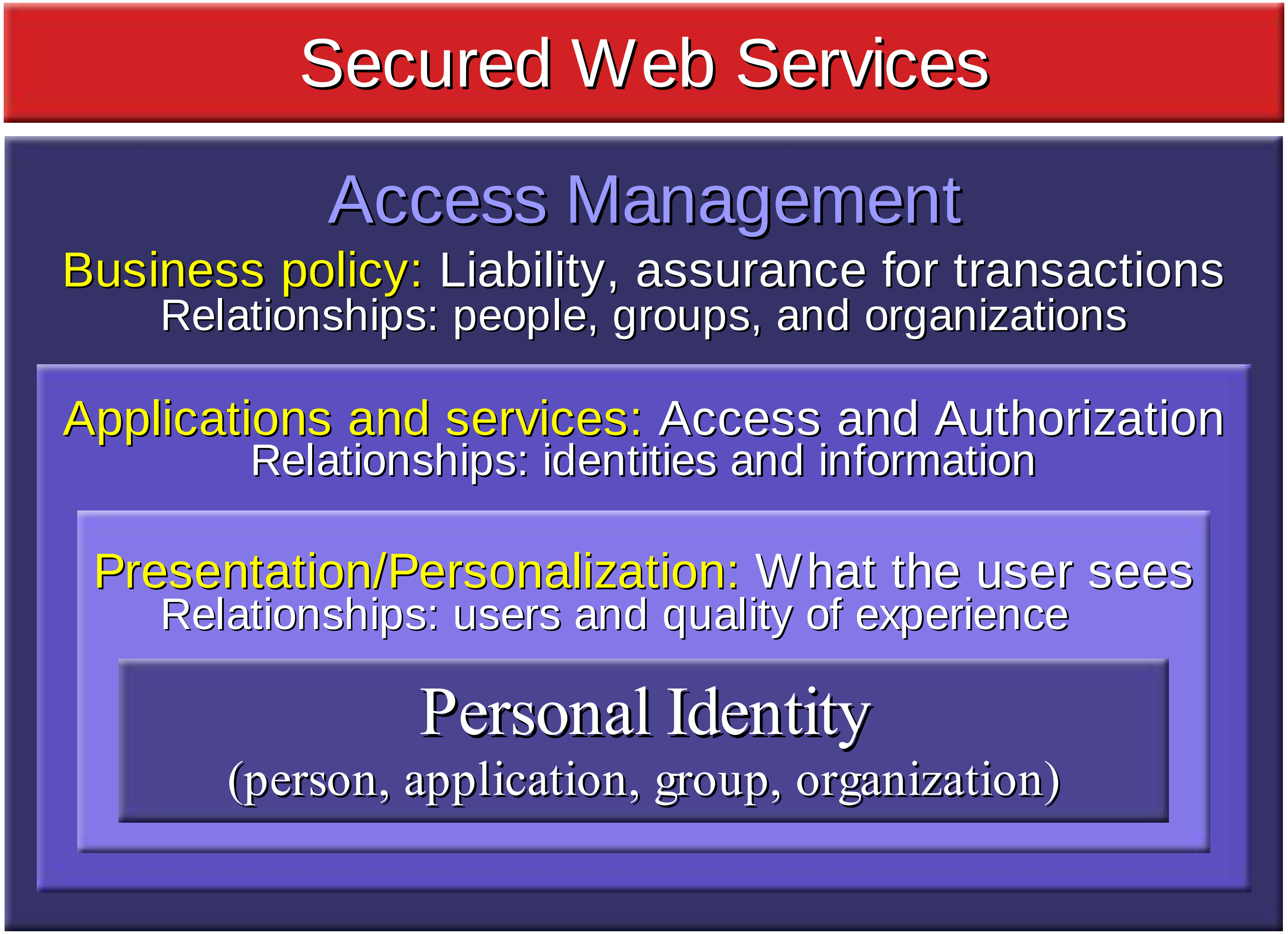
Identity Management Defined

“Identity management is the business processes and technologies for managing the lifecycle of people, devices and systems and their role, entitlements and relationship to data, applications and services both inside and outside the organization.”

5 BIG! Digital Identity Axioms

- Identity & Authentication
  - Who is this? & Who says so?
- Confidentiality
  - No eavesdroppers!
- Integrity
  - Did anyone modify something?
- Authorization & Entitlements
  - What you can and **cannot** do
- Regulatory & Business Compliance

Citizen Centered Services



Secured Web Services

Access Management

Business policy: Liability, assurance for transactions
Relationships: people, groups, and organizations

Applications and services: Access and Authorization
Relationships: identities and information

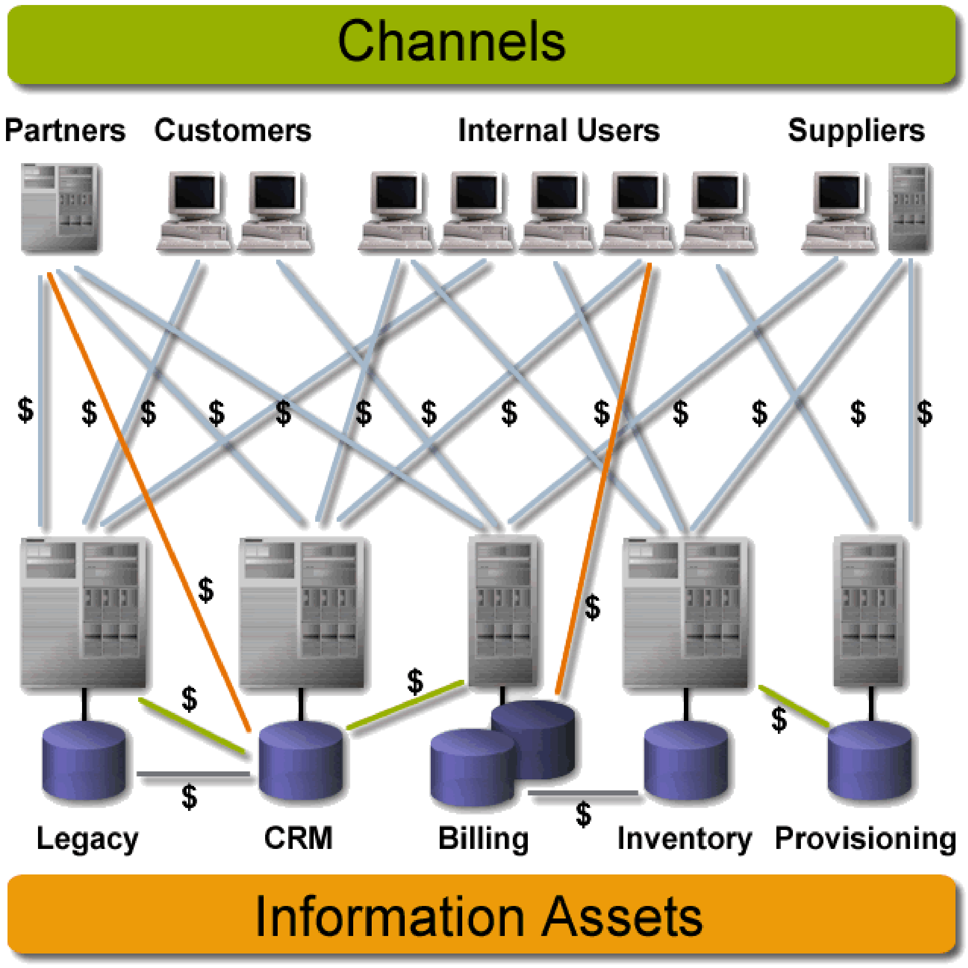
Presentation/Personalization: What the user sees
Relationships: users and quality of experience

Personal Identity
(person, application, group, organization)

Source: based on Burton Group

Current Approaches Must Change

Silo Oriented Architecture

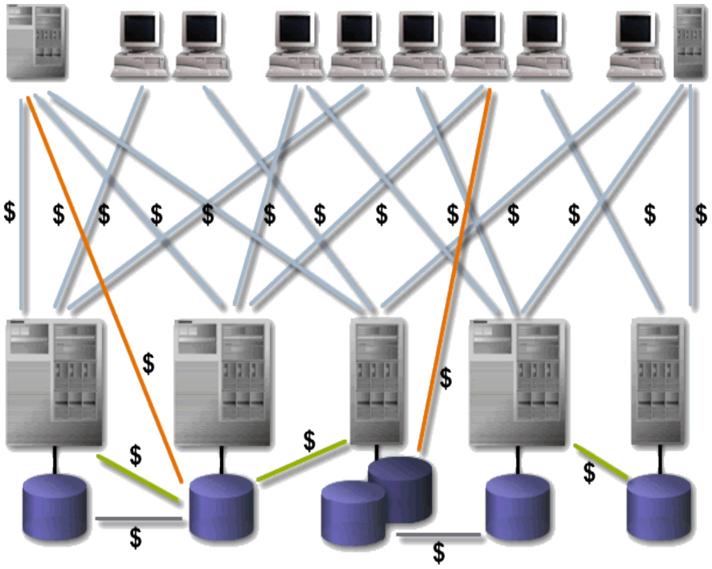


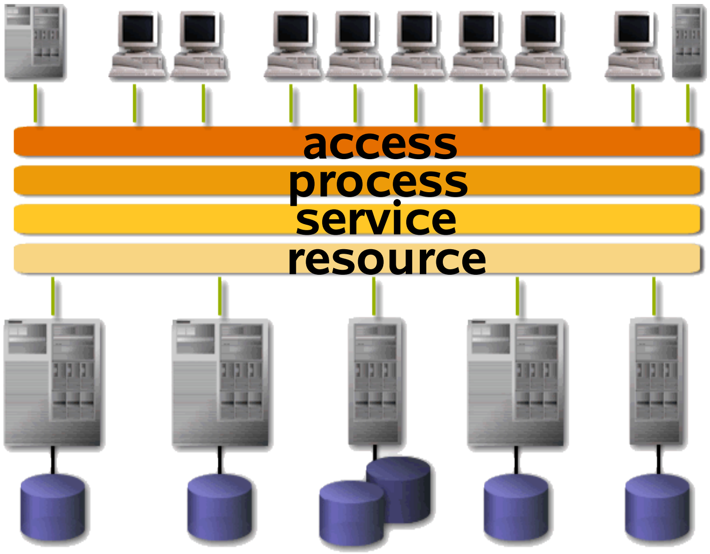
Mature information systems grow old *dis*gracefully as successive waves of hacking result in accidental architectures which resist the reflection of on-going business process change.
- ***Anthony Lauder & Stuart Kent; University of Kent. (2000)***

- Rigid
- Complex
- Expensive
- Slow to Market
- Monolithic
- Hard to Integrate

The "Move" to Service Orientation

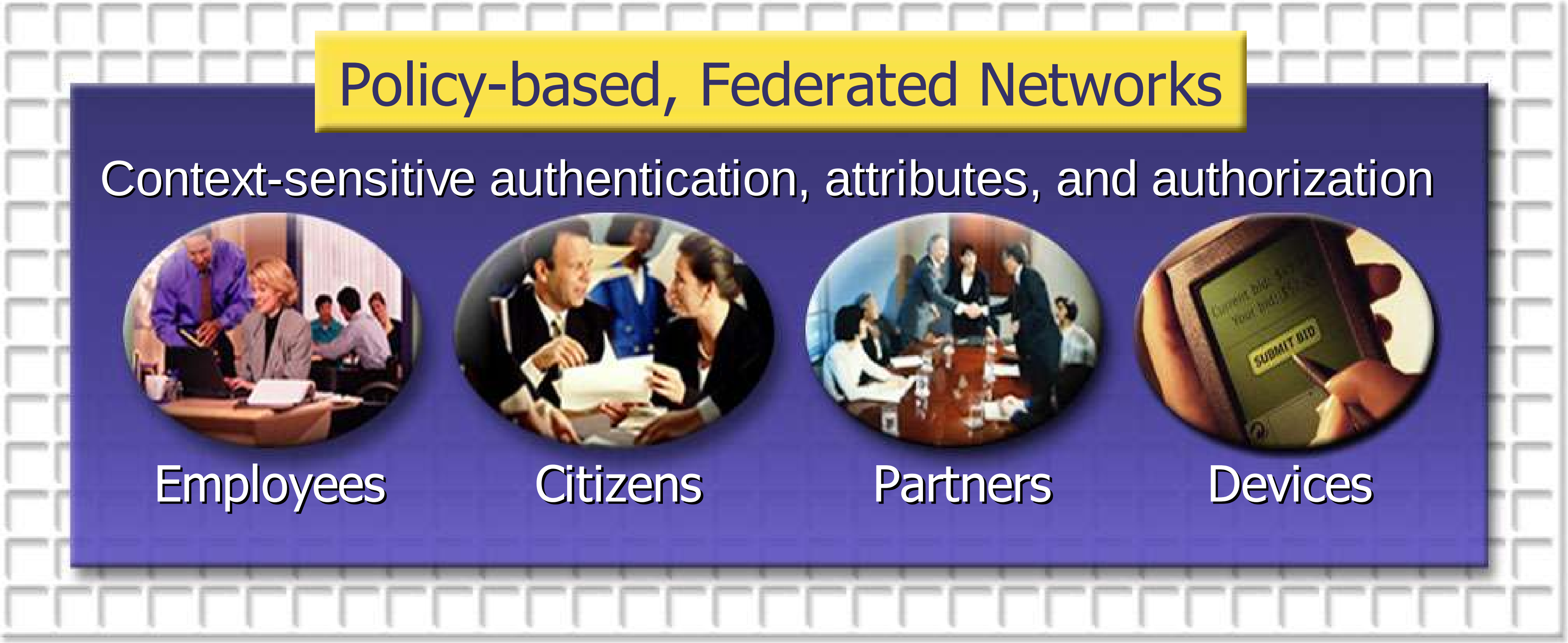
Accidental Rigid *Silo*-Oriented	Iterative Incremental Service Enablement	Layered Extensible *Service*-Oriented





Identity becomes Just a service

What are Secured Web Services?



Policy-based, Federated Networks

Context-sensitive authentication, attributes, and authorization

Employees

Citizens

Partners

Devices

Liberty is the foundation for the next generation of highly personalized Web services

Liberty Alliance - www.projectliberty.org

- More than 150 member organizations globally
- Driven by end-users, government organizations and vendors
- Led by Technology, Business and Public Policy Expert Groups

Management Board Members

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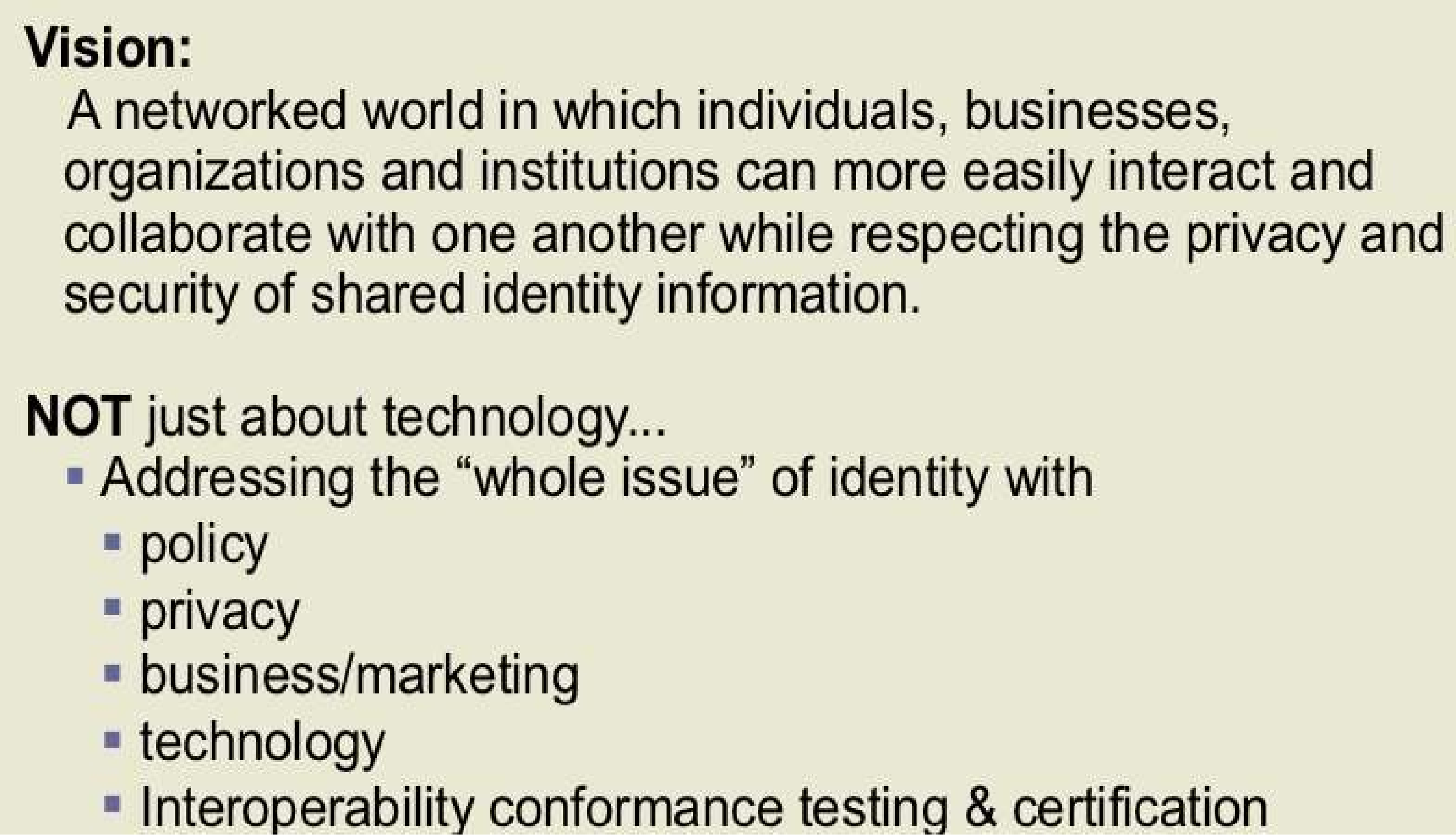
axalto
Bank of America
BIPAC
bmc software
ca Computer Associates
CREDENTICA
DATAPOWER
Diversinet
epok
falkin Systems
FORUMSYSTEMS
ADAE
GSA
kantega
NEC
NEUSTAR
NOKIA
NTT DoCoMo
Reactivity
SAP
SmartTrust Growing Mobile
symLABS
T-Online
TELECOM LAB ITALIA
Telefonica Móviles
TRUSTED NETWORK TECHNOLOGIES
VeriSign
UTi systems
wave
CANADA POST POSTES CANADA From anywhere... to anyone

What is Liberty?



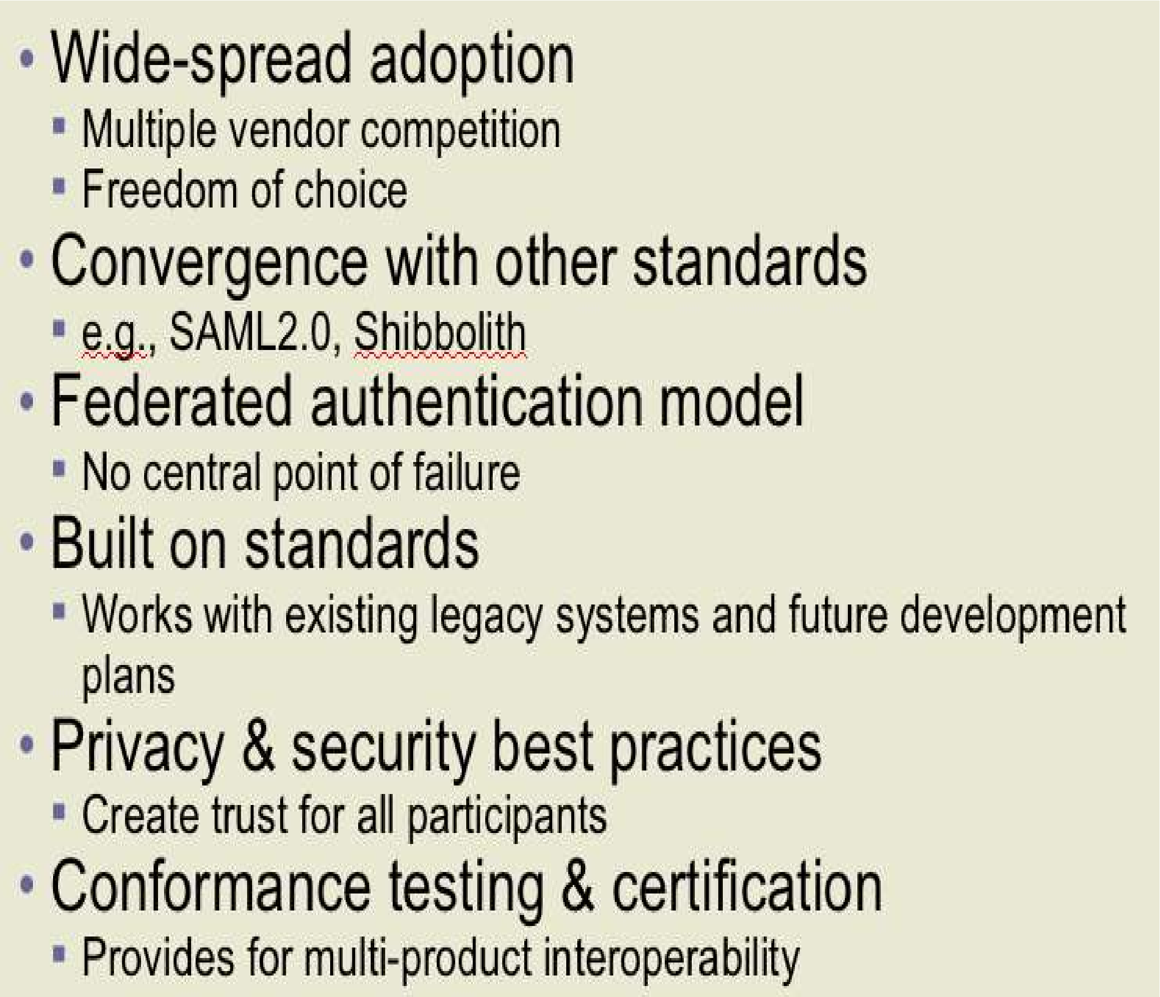
Vision:

A networked world in which individuals, businesses, organizations and institutions can more easily interact and collaborate with one another while respecting the privacy and security of shared identity information.

NOT just about technology...

- Addressing the “whole issue” of identity with
  - policy
  - privacy
  - business/marketing
  - technology
  - Interoperability conformance testing & certification

What are Liberty Advantages?



- Wide-spread adoption
  - Multiple vendor competition
  - Freedom of choice
- Convergence with other standards
  - e.g., SAML2.0, Shibbolith
- Federated authentication model
  - No central point of failure
- Built on standards
  - Works with existing legacy systems and future development plans
- Privacy & security best practices
  - Create trust for all participants
- Conformance testing & certification
  - Provides for multi-product interoperability

1 Billion Liberty enabled devices by close of 2006

120 million citizen identities w/ Liberty

72 million online service provider users under Liberty

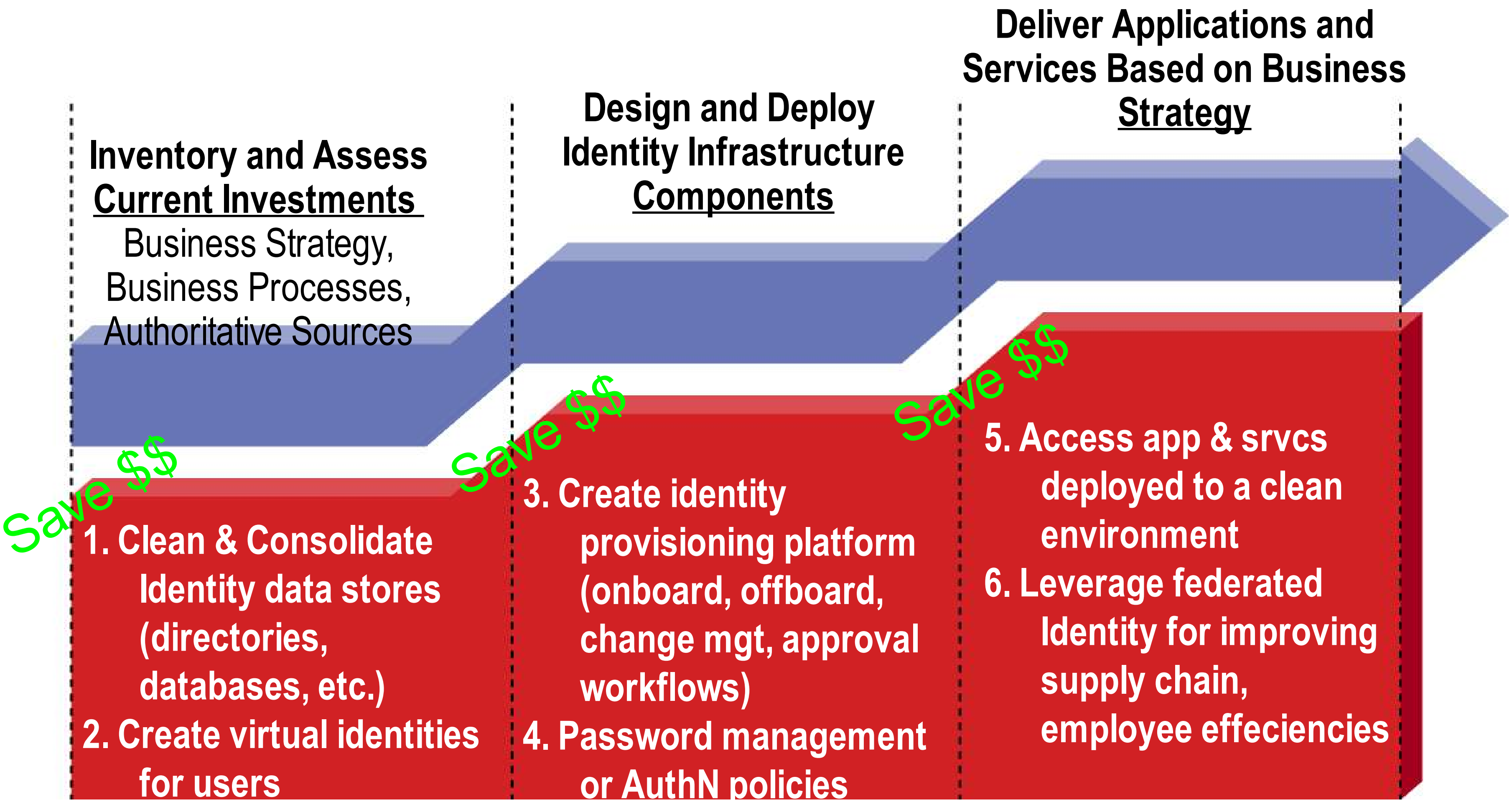
20 million enterprise identities w/ Liberty

ID Deployment Best Practices

- Common Mistakes:
  - Lacks detailed understanding of Identity Products
  - Uses custom code instead of product functionality
  - Scope Creep in the use cases.
  - No articulation of Use Case to implementation.
  - When replacing out dated existing system, the customer expectation is 1:1 functionality.
  - Set proper expectations.
  - To many moving parts, too many people touching code.
  - No source code control (Config files uncontrolled)
  - Customer lead architect takes charge (not good).
  - Tries to do too much in phase 1

Do You Have an Identity Strategy In Place?

Getting your Identity Infrastructure in Order



Inventory and Assess <u>Current Investments</u>
Business Strategy,
Business Processes,
Authoritative Sources

1. Clean & Consolidate Identity data stores (directories, databases, etc.)
2. Create virtual identities for users

Design and Deploy Identity Infrastructure <u>Components</u>

3. Create identity provisioning platform (onboard, offboard, change mgt, approval workflows)
4. Password management or AuthN policies

Deliver Applications and Services Based on Business <u>Strategy</u>

5. Access app & srvcs deployed to a clean environment
6. Leverage federated Identity for improving supply chain, employee effeciencies

Agree & Create Common Use Cases

1 Rights and entitlements should be segmented from the digital content and appluications.

2 Rights should be based on roles/groups (viewer, owner, manager, author, consumer, editor)

3 Consumers can request access that is automatically approved or denied based on specified criteria (policy)

4 Authors and Owners can self-administer updates, provisioning and accesses

5 Policy and rules of access can be delegated and managed locally or remotely

6 Variable sets of entitlements and rights can be associated with the same content

7 Users can be associated with multiple, filtered or nested roles

8 Digital rights systems should be able to operate over different computing environments (Unix, Microsoft, Linux, etc.)

9 Users can be collected in groups and groups can be assigned entitlements to various digital content, or systems.

10 Group access can be static or filtered by policies, workflows and rules.

11 The system should not be intrusive rather easily inter operable with other systems, such as, content delivery systems, email systems, directory services, relational database systems, legacy systems, billing systems, customer care and document management systems.

12 The system should be highly available and scalable supporting users into the millions.

13 The system should support remote automated workflow to improve visibility and control over rights and management of digital content.

14 Auditing and reporting support for business and legal compliance to the effect of “Who did what? To what? When?”.

15 Support for regulatory compliance such as Sarbanes-Oxley, HIPPA and other regulatory and privacy acts.

16 Management is based on open standards, yet supports other non-standard environments through interoperability.

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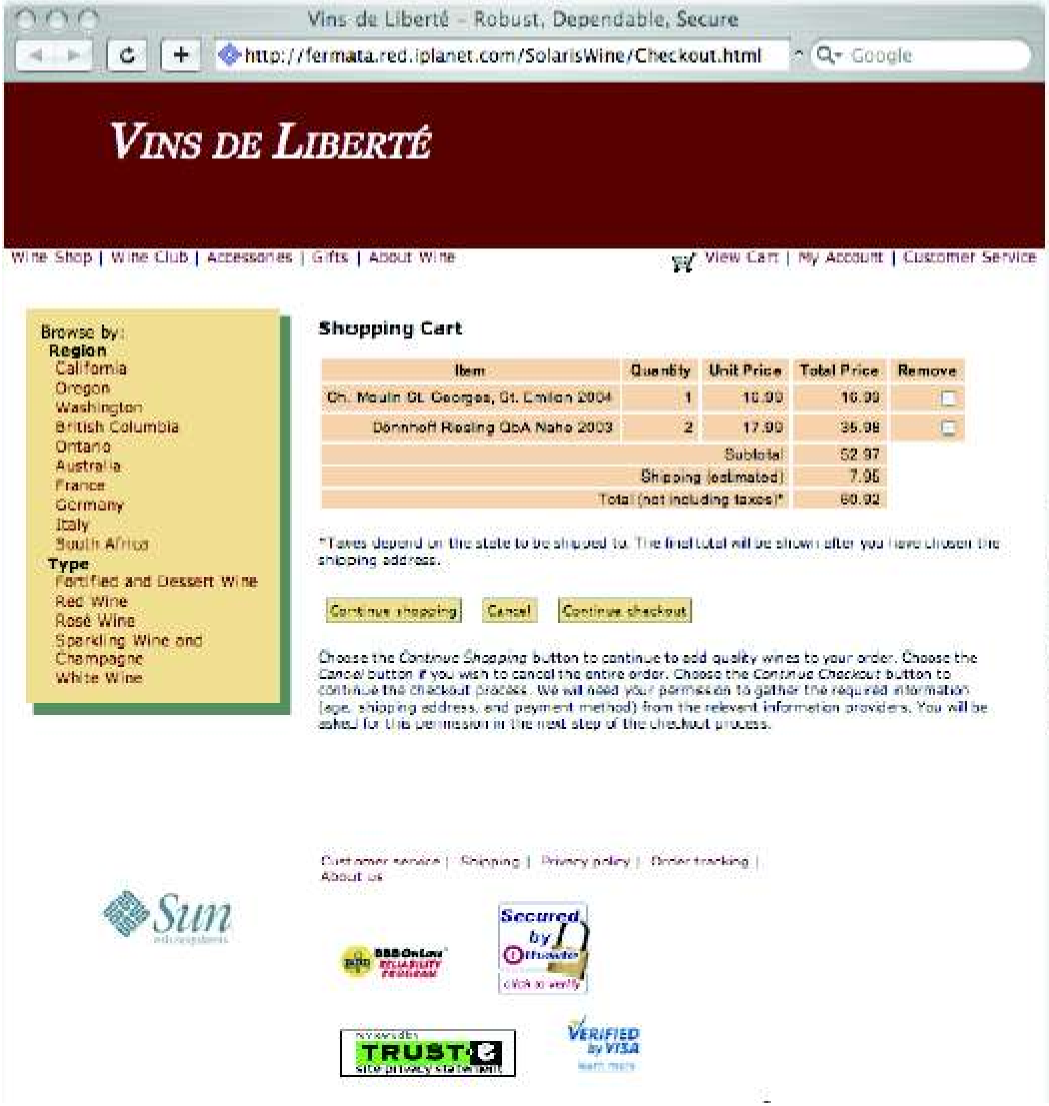
Liberty Use Case - step 1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http://fermata.red.iplanet.com/SolarisWine/Checkout.html
Google
VINS DE LIBERTÉ
Wine Shop | Wine Club | Accessories | Gifts | About Wine
View Cart | My Account | Customer Service
Browse by:
Region
California
Oregon
Washington
British Columbia
Ontario
Australia
France
Germany
Italy
South Africa
Type
Fortified and Dessert Wine
Red Wine
Rosé Wine
Sparkling Wine and Champagne
White Wine
Continue shopping
Cancel
Continue checkout
Customer service | Shipping | Privacy policy | Order tracking | About us
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reviewed by TRUSTe site privacy statement
VERIFIED by VISA learn more
Sun microsystems

Shopping Cart

Item	Quantity	Unit Price	Total Price	Remove
Ch. Moulin St. Georges, St. Emilon 2004	1	16.99	16.99	□
Dönnhoff Riesling QbA Nahe 2003	2	17.99	35.98	□
Subtotal			52.97	
Shipping (estimated)			7.95	
Total (not including taxes)*			60.92	

*Taxes depend on the state to be shipped to. The final total will be shown after you have chosen the shipping address.

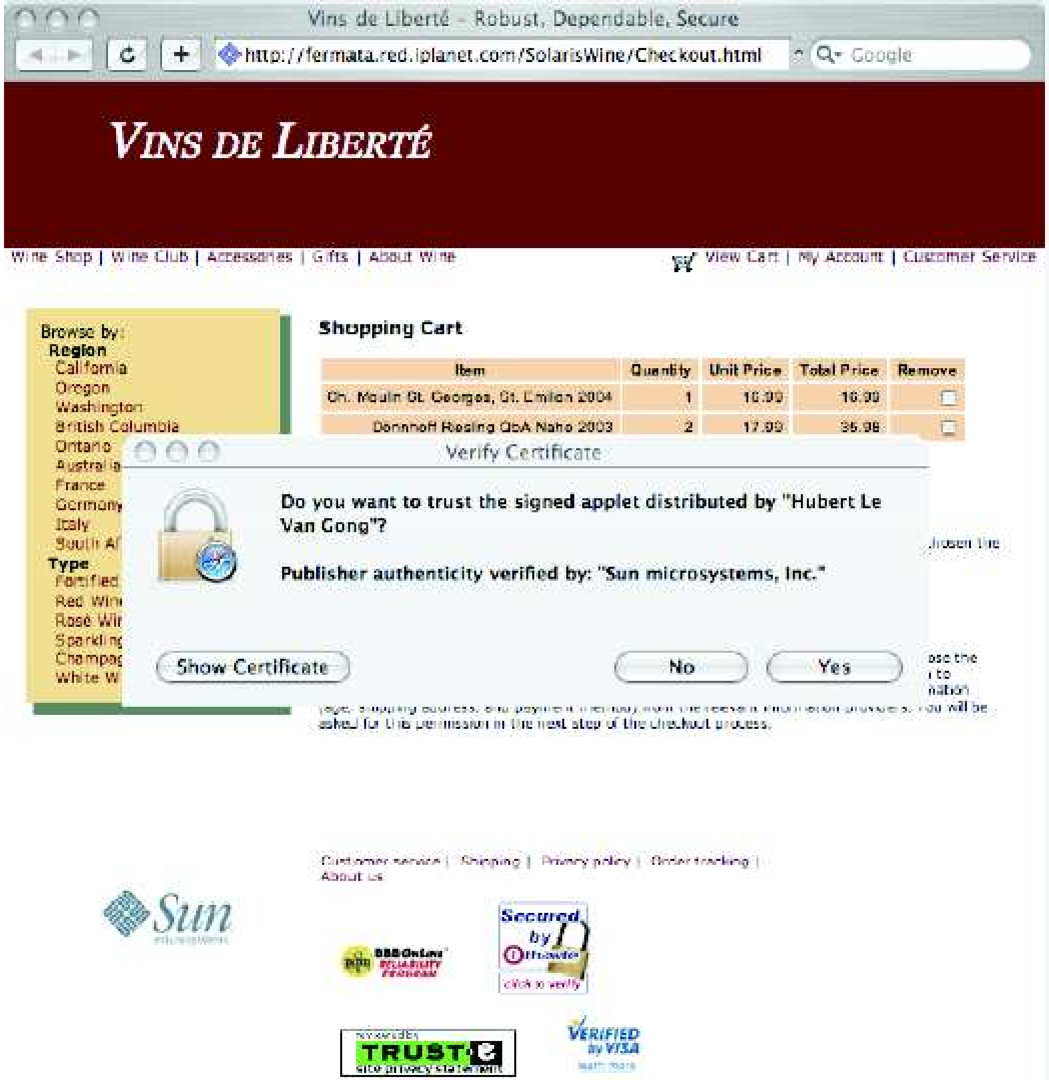
Choose the *Continue Shopping* button to continue to add quality wines to your order. Choose the *Cancel* button if you wish to cancel the entire order. Choose the *Continue Checkout* button to continue the checkout process. We will need your permission to gather the required information (age, shipping address, and payment method) from the relevent information providers. You will be asked for this permission in the next step of the checkout process.

Completing a purchase at a wine merchant website

The user has to prove he is old enough to buy wine online, and that he can pay for it.
For this he has to log in to his bank or similar institution (we call it an *Identity Provider*).

We make the net work.

Liberty Use Case – Step 2



Vins de Liberté - Robust, Dependable, Secure

http://fermata.red.iplanet.com/SolarisWine/Checkout.html

VINS DE LIBERTÉ

Wine Shop | Wine Club | Accessories | Gifts | About Wine

View Cart | My Account | Customer Service

Browse by:
Region
California
Oregon
Washington
British Columbia
Ontario
Australia
France
Germany
Italy
South Af
Type
Fortified
Red Wine
Rosé Wir
Sparkling
Champag
White W

Shopping Cart

Item	Quantity	Unit Price	Total Price	Remove
Ch. Moulin St. Georges, St. Emilion 2004	1	16.99	16.99	□
Donnhoff Riesling QbA Nahe 2003	2	17.99	35.98	□

Verify Certificate

Do you want to trust the signed applet distributed by "Hubert Le Van Gong"?

Publisher authenticity verified by: "Sun microsystems, Inc."

hosen the

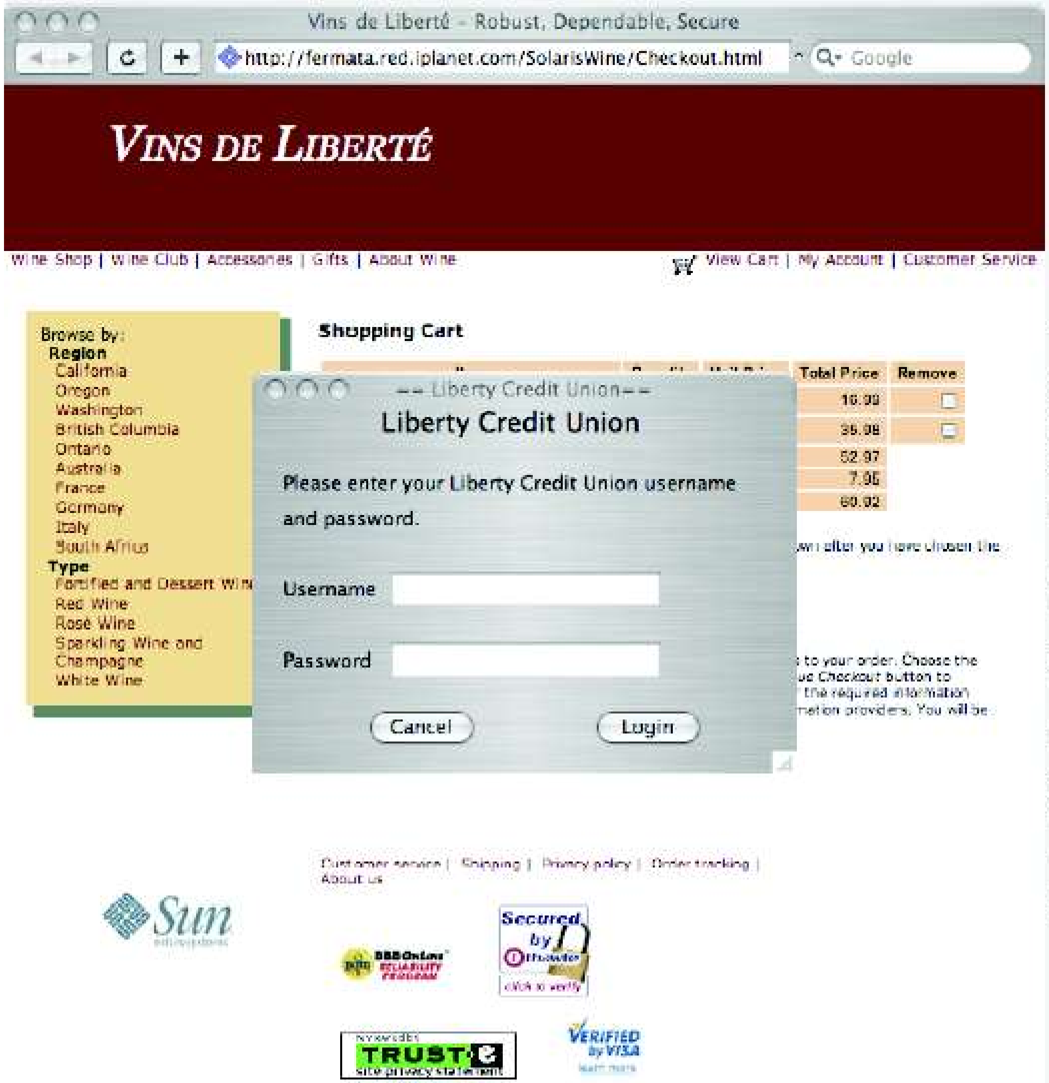
ose the
to
nation
age, shipping address, and payment method) from the relevant information providers. You will be asked for this permission in the next step of the checkout process.

Customer service | Shipping | Privacy policy | Order tracking | About us

The browser launches a signed Java Applet

We make the net work.

Liberty Use Case – Step 3



Vins de Liberté - Robust, Dependable, Secure

http://fermata.red.iplanet.com/SolarisWine/Checkout.html

VINS DE LIBERTÉ

Wine Shop | Wine Club | Accessories | Gifts | About Wine

View Cart | My Account | Customer Service

Browse by:
Region
California
Oregon
Washington
British Columbia
Ontario
Australia
France
Germany
Italy
South Africa
Type
Fortified and Dessert Wine
Red Wine
Rosé Wine
Sparkling Wine and Champagne
White Wine

Shopping Cart

Total Price	Remove
16.99	□
35.98	□
52.97	
7.95	
60.92	

...own after you have chosen the

...to your order. Choose the ...ue Checkout button to ... the required information ...mation providers. You will be

-- Liberty Credit Union --

Liberty Credit Union

Please enter your Liberty Credit Union username and password.

Username

Password

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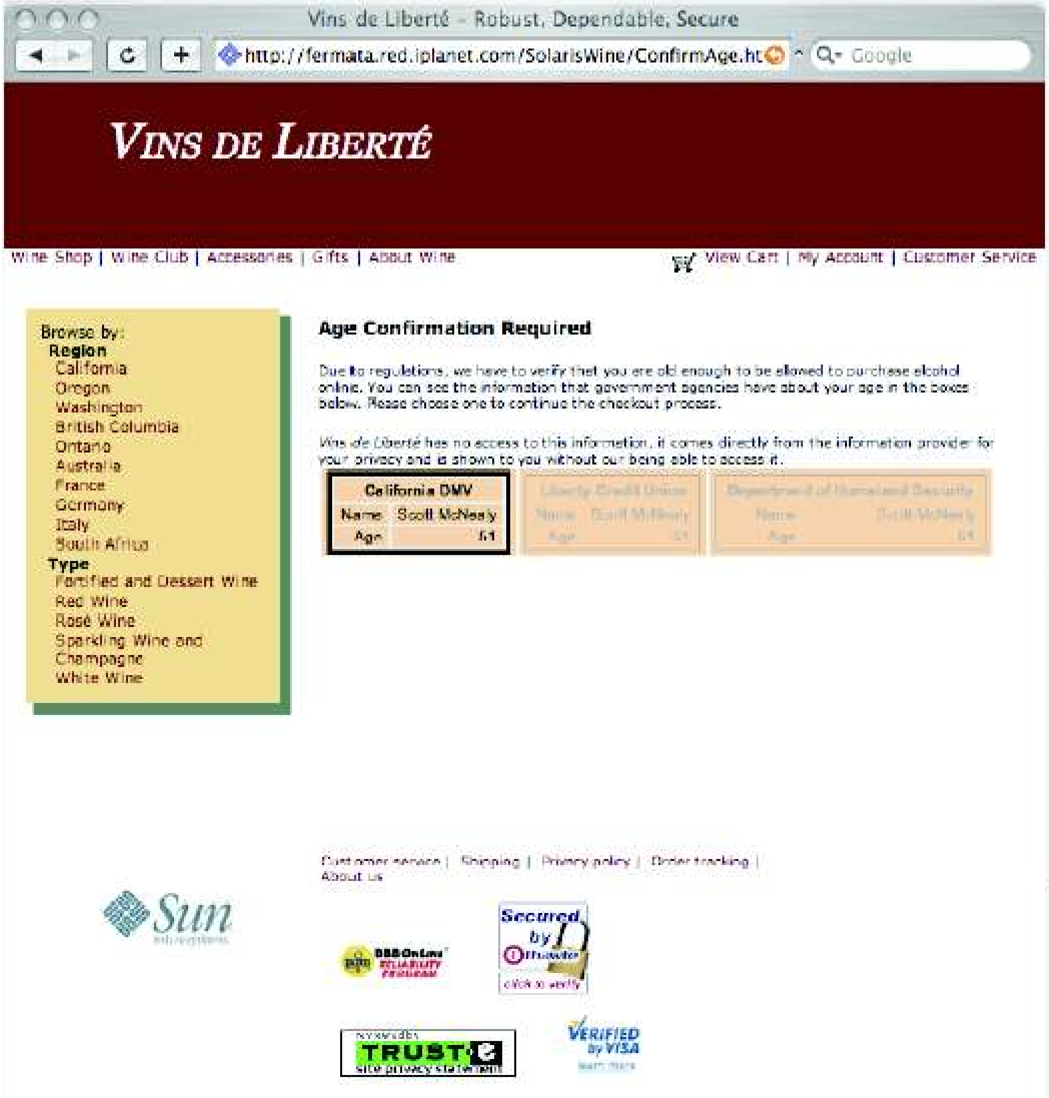
Logging in at the identity provider

The user logs in to the Liberty Credit Union, which acts as the *identity provider*, allowing the applet to retrieve the list of relevant *attribute providers*.

An attribute provider holds one or more pieces of identity data about the user. For example, the Department of Motor Vehicles might hold the user's age and address, while his bank (along with being the user's identity provider) holds financial information.

We make the net work.

Liberty Use Case – Step 4



Vins de Liberté - Robust, Dependable, Secure

http://fermata.red.iplanet.com/SolarisWine/ConfirmAge.ht

Wine Shop | Wine Club | Accessories | Gifts | About Wine
View Cart | My Account | Customer Service

Browse by:

Region

- California
- Oregon
- Washington
- British Columbia
- Ontario
- Australia
- France
- Germany
- Italy
- South Africa

Type

- Fortified and Dessert Wine
- Red Wine
- Rosé Wine
- Sparkling Wine and Champagne
- White Wine

Age Confirmation Required

Due to regulations, we have to verify that you are old enough to be allowed to purchase alcohol online. You can see the information that government agencies have about your age in the boxes below. Please choose one to continue the checkout process.

Vins de Liberté has no access to this information, it comes directly from the information provider for your privacy and is shown to you without our being able to access it.

California DMV	
Name	Scott McNealy
Age	51

Liberty Credit Union	
Name	Scott McNealy
Age	51

Department of Homeland Security	
Name	Scott McNealy
Age	51

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Selecting attribute providers for name & age

The applet recognizes that the site has asked for name and age information and lets the user select among the relevant attribute providers for supplying this information.

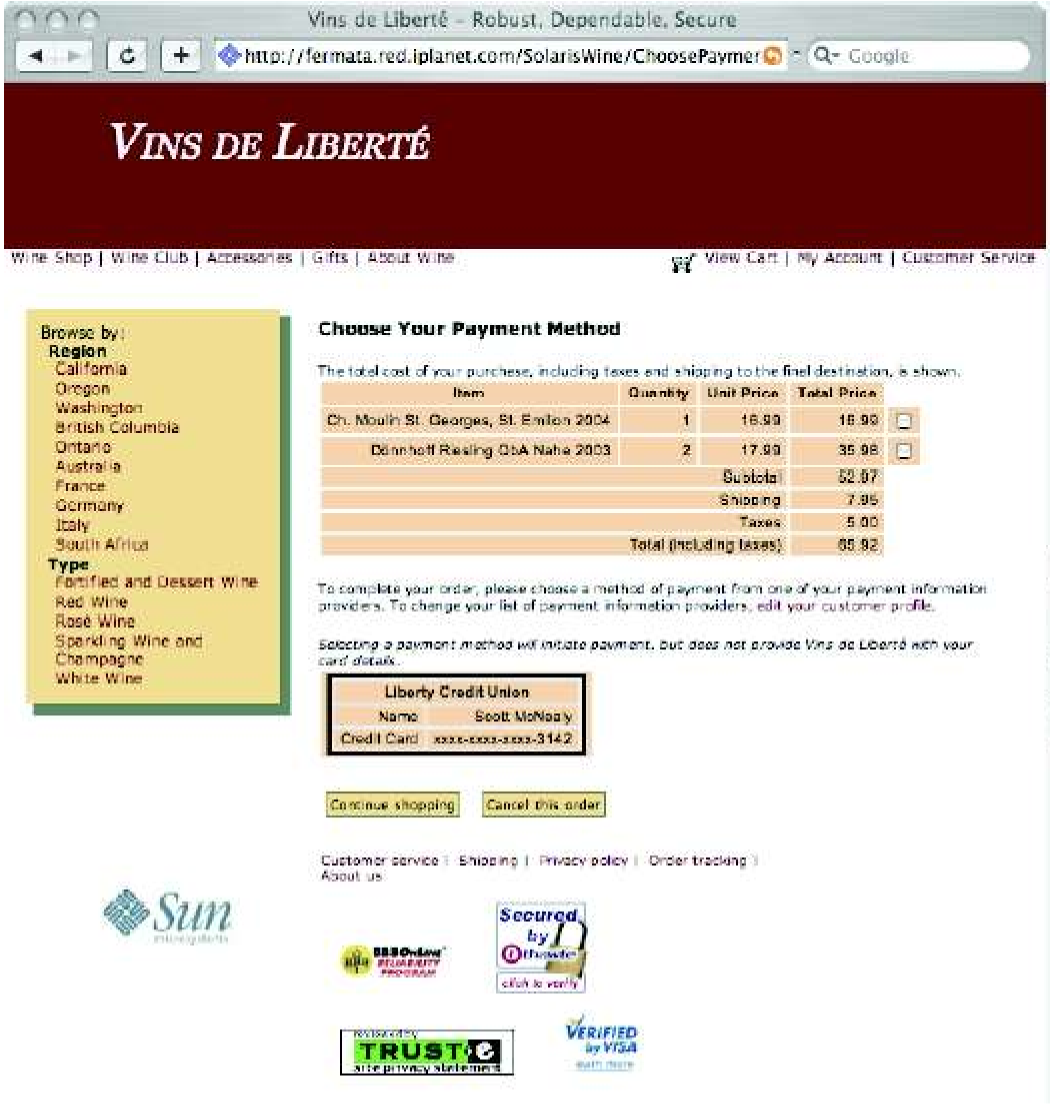
The user selects the one he wishes to use. Upon clicking the card, the corresponding data (name and either age, or, potentially, "the user is over the legal drinking age") is sent to the wine merchant

Liberty Protocol:

- Discovery Service
- Data Service Template

We make the net work.

Liberty Use Case – Step 5



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http://fermata.red.iplanet.com/SolarisWine/ChoosePaymen

VINS DE LIBERTÉ

Wine Shop | Wine Club | Accessories | Gifts | About Wine

View Cart | My Account | Customer Service

Browse by:

Region

- California
- Oregon
- Washington
- British Columbia
- Ontario
- Australia
- France
- Germany
- Italy
- South Africa

Type

- Fortified and Dessert Wine
- Red Wine
- Rosé Wine
- Sparkling Wine and Champagne
- White Wine

Choose Your Payment Method

The total cost of your purchase, including taxes and shipping to the final destination, is shown.

Item	Quantity	Unit Price	Total Price	
Ch. Moulin St. Georges, St. Emilion 2004	1	16.99	16.99	□
Dönnhoff Riesling QbA Nahe 2003	2	17.99	35.98	□
		Subtotal	52.97	
		Shipping	7.95	
		Taxes	5.00	
		Total (including taxes)	65.92	

To complete your order, please choose a method of payment from one of your payment information providers. To change your list of payment information providers, edit your customer profile.

Selecting a payment method will initiate payment, but does not provide Vins de Liberté with your card details.

Liberty Credit Union	
Name	Scott McNealy
Credit Card	xxxx-xxxx-xxxx-3142

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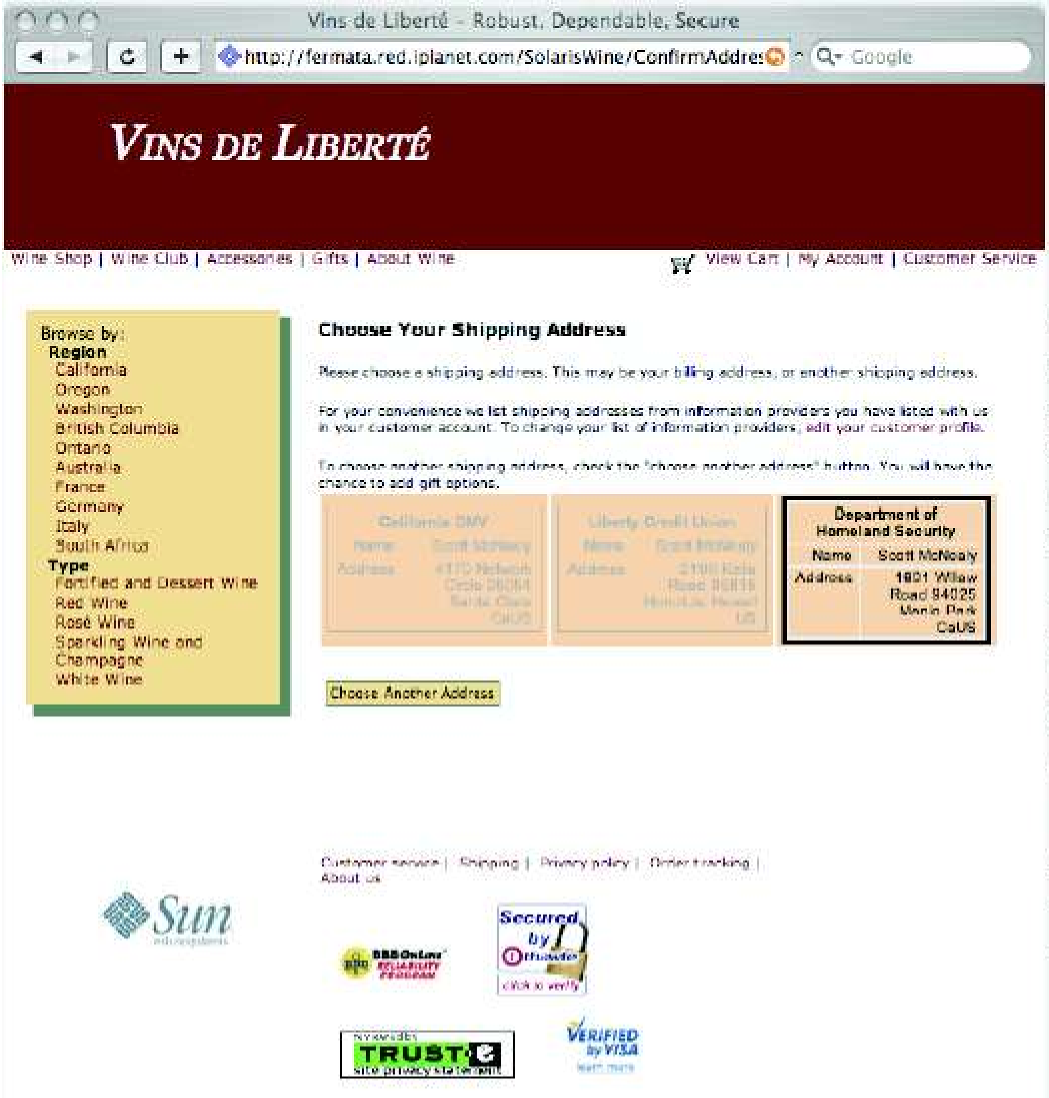
Selecting attribute providers for a means of payment

Now the wine merchant requires a means of payment. Since only one attribute provider has this information, only one choice is provided.

Liberty Use Case – Step 6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http://fermata.red.iplanet.com/SolarisWine/ConfirmAddres
Google
VINS DE LIBERTÉ
Wine Shop | Wine Club | Accessories | Gifts | About Wine
View Cart | My Account | Customer Service
Browse by:
Region
California
Oregon
Washington
British Columbia
Ontario
Australia
France
Germany
Italy
South Africa
Type
Fortified and Dessert Wine
Red Wine
Rosé Wine
Sparkling Wine and Champagne
White Wine
Choose Another Address
Customer service | Shipping | Privacy policy | Order tracking | About us
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Choose Your Shipping Address

Please choose a shipping address. This may be your billing address, or another shipping address.

For your convenience we list shipping addresses from information providers you have listed with us in your customer account. To change your list of information providers, edit your customer profile.

To choose another shipping address, check the "choose another address" button. You will have the chance to add gift options.

California DMV
Name Scott McNealy
Address 4170 Network Circle 95054 Santa Clara CaUS

Liberty Credit Union
Name Scott McNealy
Address 2100 Kala Road 96815 Honolulu Hawaii US

Department of Homeland Security
Name Scott McNealy
Address 1801 Willow Road 94025 Menlo Park CaUS

Selecting attribute providers for the address

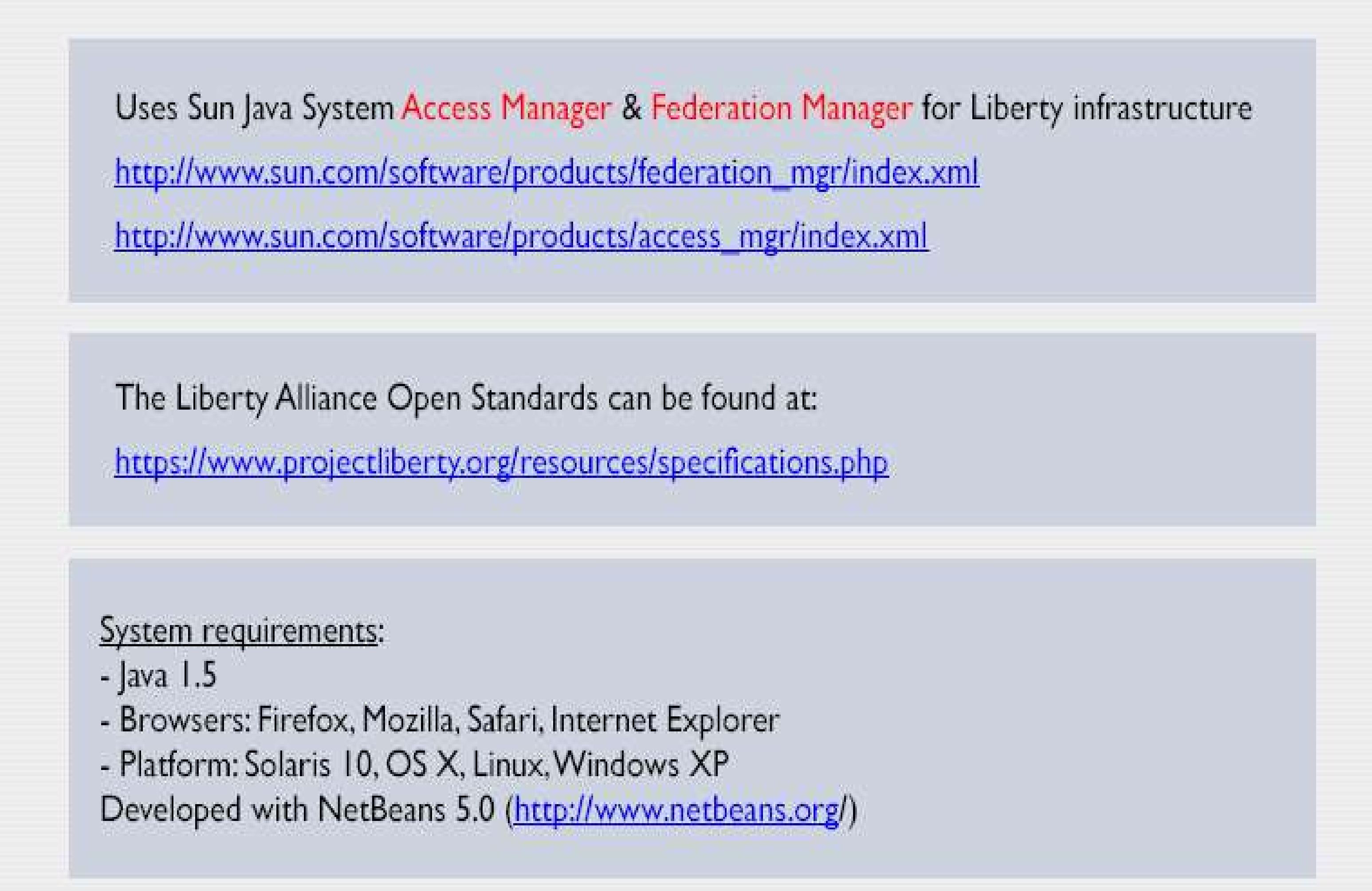
On this page, the user can choose one of his known shipping addresses provided by an attribute provider, or type in one by hand, e.g., for a gift shipment.

Again, this mediation of attribute information is handled by the applet and is done totally outside the scope of the wine merchant site.

Liberty Protocol:
- Discovery Service,
- Data Service Template

We make the net work.

Use Case Moving Parts



Uses Sun Java System Access Manager & Federation Manager for Liberty infrastructure

http://www.sun.com/software/products/federation_mgr/index.xml

http://www.sun.com/software/products/access_mgr/index.xml

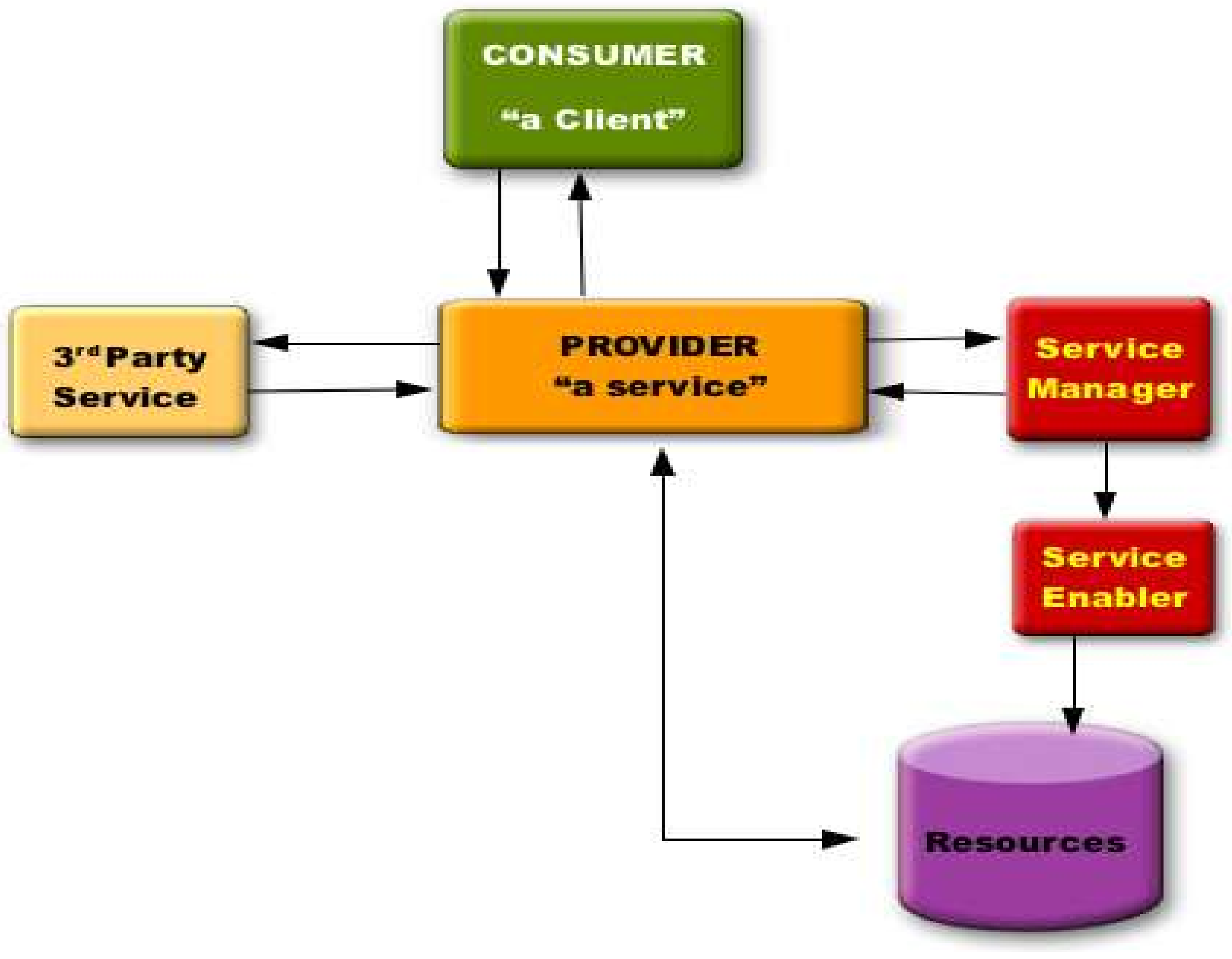
The Liberty Alliance Open Standards can be found at:

https://www.projectliberty.org/resources/specifications.php

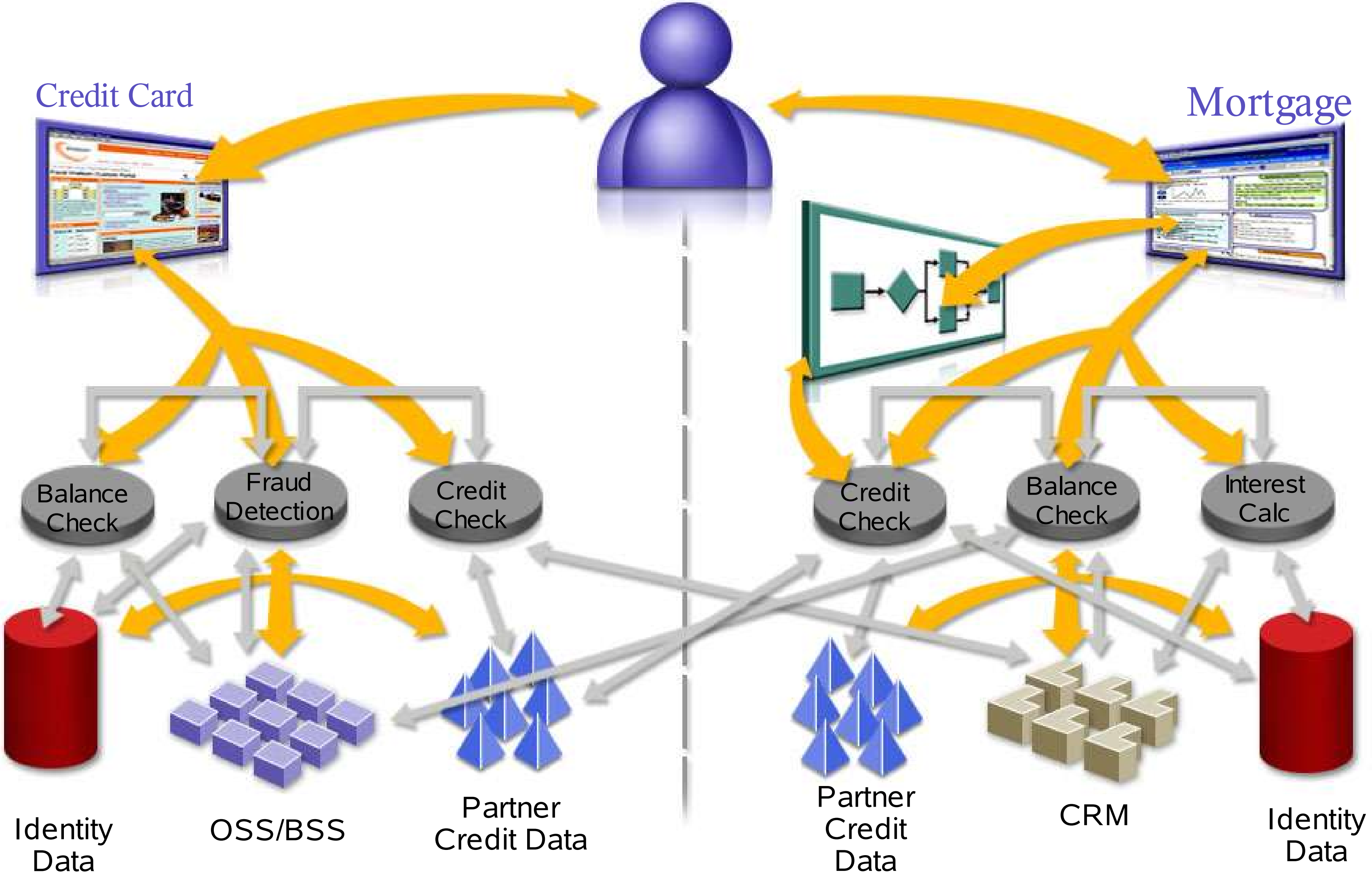
System requirements:
- Java 1.5
- Browsers: Firefox, Mozilla, Safari, Internet Explorer
- Platform: Solaris 10, OS X, Linux, Windows XP

Developed with NetBeans 5.0 (http://www.netbeans.org/)

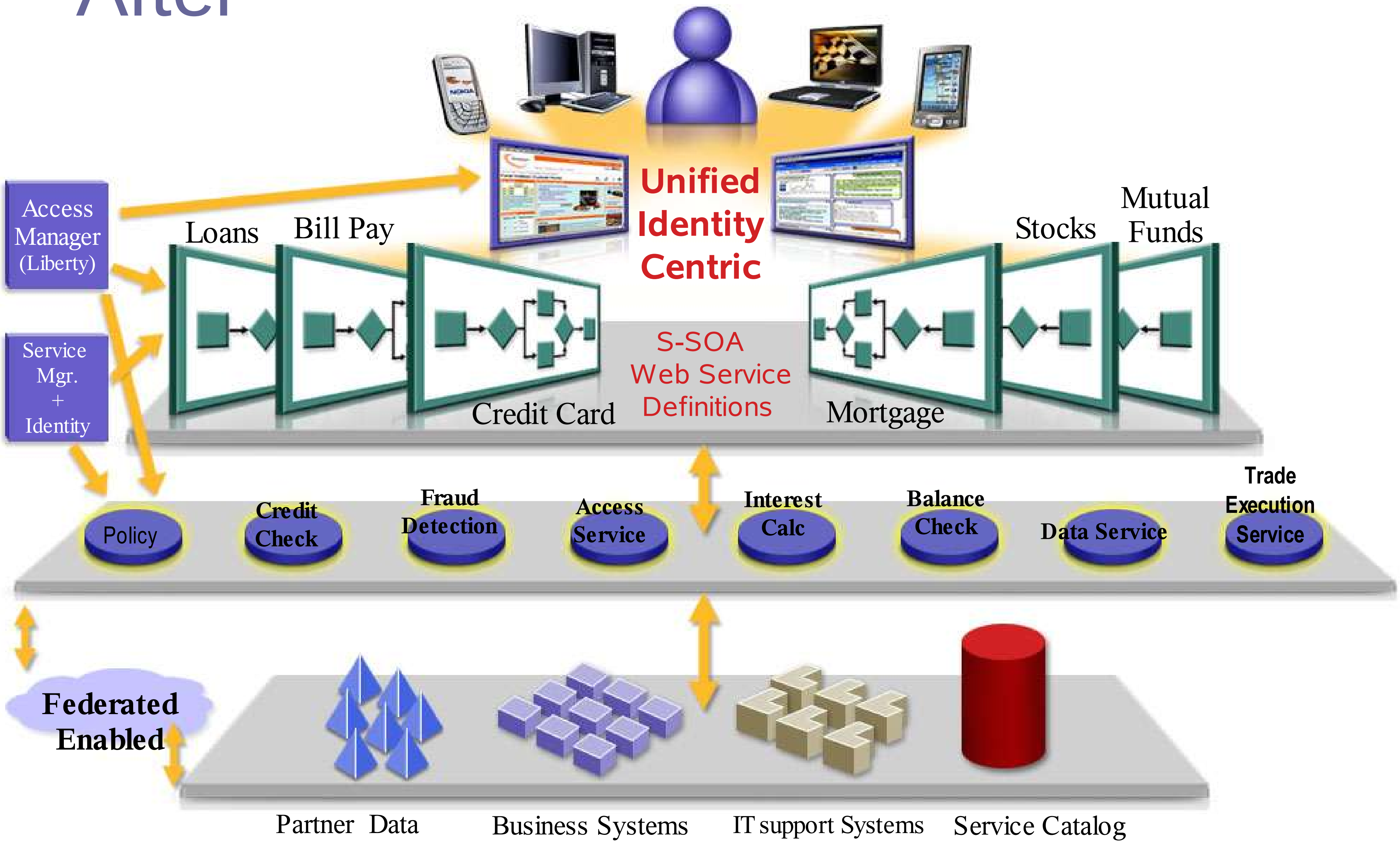
Core Architecture



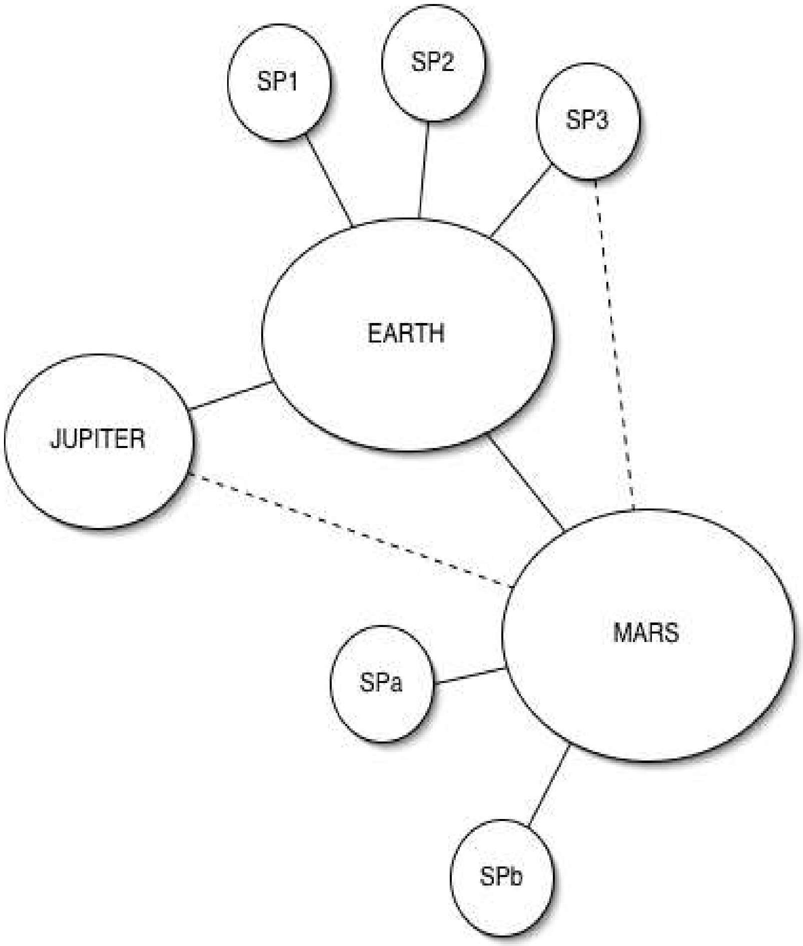
Before


Credit Card
Mortgage
Balance Check
Fraud Detection
Credit Check
Credit Check
Balance Check
Interest Calc
Identity Data
OSS/BSS
Partner Credit Data
Partner Credit Data
CRM
Identity Data

After


Unified Identity Centric
Access Manager (Liberty)
Loans
Bill Pay
Stocks
Mutual Funds
Service Mgr. + Identity
Credit Card
S-SOA Web Service Definitions
Mortgage
Policy
Credit Check
Fraud Detection
Access Service
Interest Calc
Balance Check
Data Service
Trade Execution Service
Federated Enabled
Partner Data
Business Systems
IT support Systems
Service Catalog

Federated, Centralized Affinity Model



- Hub and Spoke design.
- Infrastructures and their assets need to be carefully accessed, authorized and shared.
- The design model must be as flexible as possible and accommodate a variety of technology from multiple vendors and standards.
- The design is segmented into “domains” that represent an agreement, an entity or an affiliate in a circle of trust.

Chevron Interop Study

75 tests using SAML 1.1

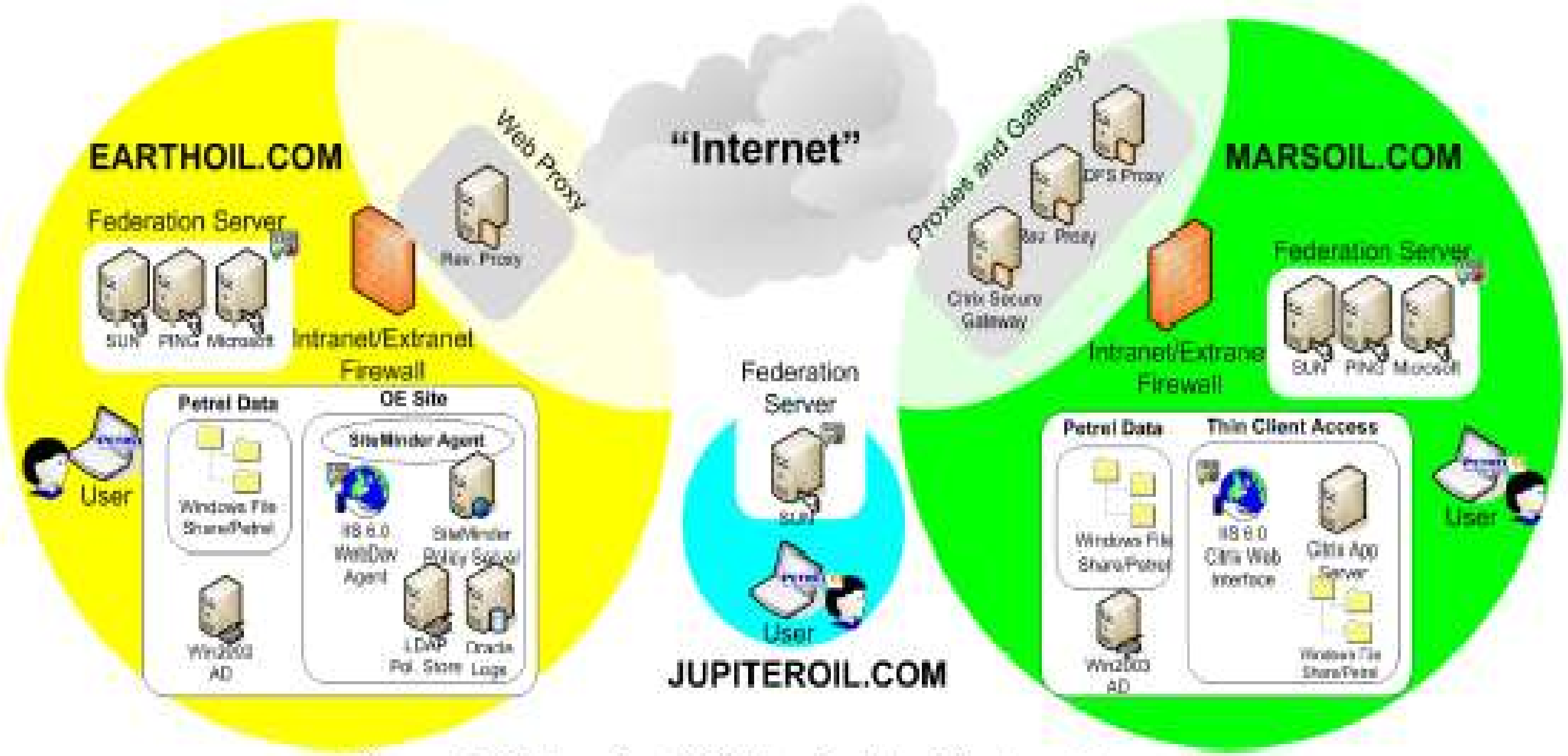
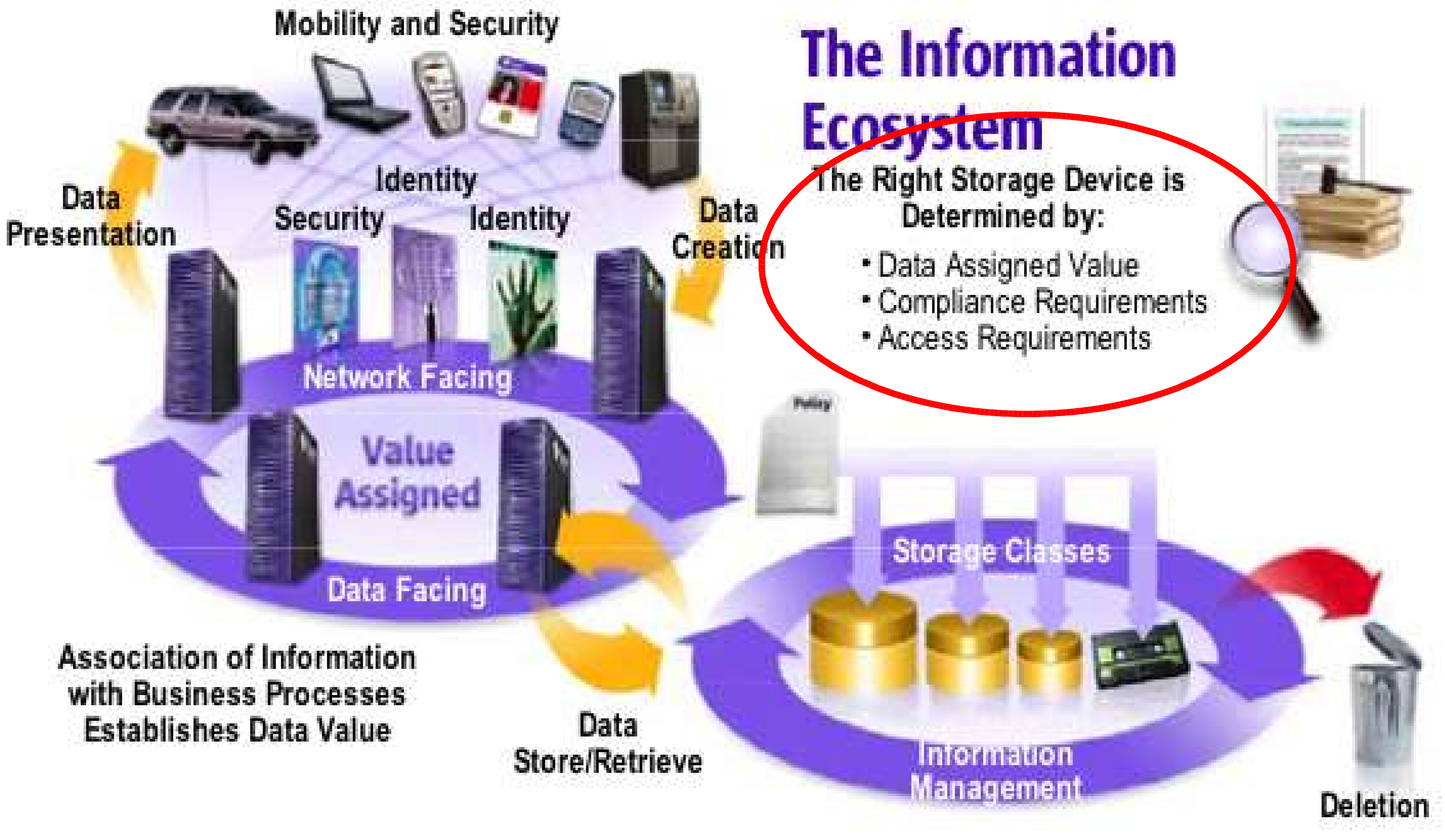


Figure 4: Federation POC Logical Architecture Layout

Identity Aware and Enabled Storage

End to End DATA Lifecycle Management



Agenda

- ☑ Identity & The Public Sector
- ☑ Planning for Change
- ☑ Digital Public Service Designs
- ☑ **Current Success in eGov**

Sun Momentum

Eleftherios Venizelos Athens International Airport
The Document Company XEROX
TOYOTA FINANCIAL SERVICES
orange
NSF
MLB.com
INEEL
Advocate Health Care
vodafone
BlueCross BlueShield Association of Massachusetts
ISC
TransCanada
WORLD BOOK
NDCHEALTH
AIR CANADA
SaskTel
Vidéotron
BIAC
香港交易所 HKEx
HKE
inmarsat
QUIOS
Telecom
switch
Green Dot Internet Services

1 million+ Employees Managed
Millions of Users Served!

Blue Cross Blue Shield of MA

Multi-Channel Interactions

Company Details

- The largest health insurer in New England with 2.4 million members and more than 3500 employees
- Over $4.3B revenue 2003
- Ranked 4th among all healthcare providers in US on *InformationWeek* 500 survey (Nov 03)

BlueCross BlueShield
of Massachusetts

"The implementation of the SeeBeyond solution affirms our commitment to implementing the finest technology to operate our business."

Carl Ascenzo, CIO, BCBSMA.

Business Challenges

- Drive to improve member satisfaction through new services provided via multiple distribution channels including self-service web
- Need to more easily enable new partner relationships
- Providing access to existing legacy systems in back office becoming unmanageable and costly
- HIPAA compliance deadlines
- Technologies include MQ, CICS, VSAM, IMS, Oracle, TPS Claims Mgmt and RTMS Policy Mgmt

Blue Cross Blue Shield of MA

Multi-Channel Interactions

Solution Overview

- Implemented new service-oriented architecture based on Sun Java Enterprise Systemand SeeBeyond
- Sun JES - started with Sun Identity Management Suite
- Multiple front-office applications and channels enabled including Web, wireless, IVR (voice), EDI (partners) and desktop (customer service reps)
- Integration engine to manage HIPAA compliant messages

"We chose the Java Enterprise System because we needed a base software infrastructure with the best price/performance."

Frank Enfanto, VP of operations delivery and information security, BCBSMA

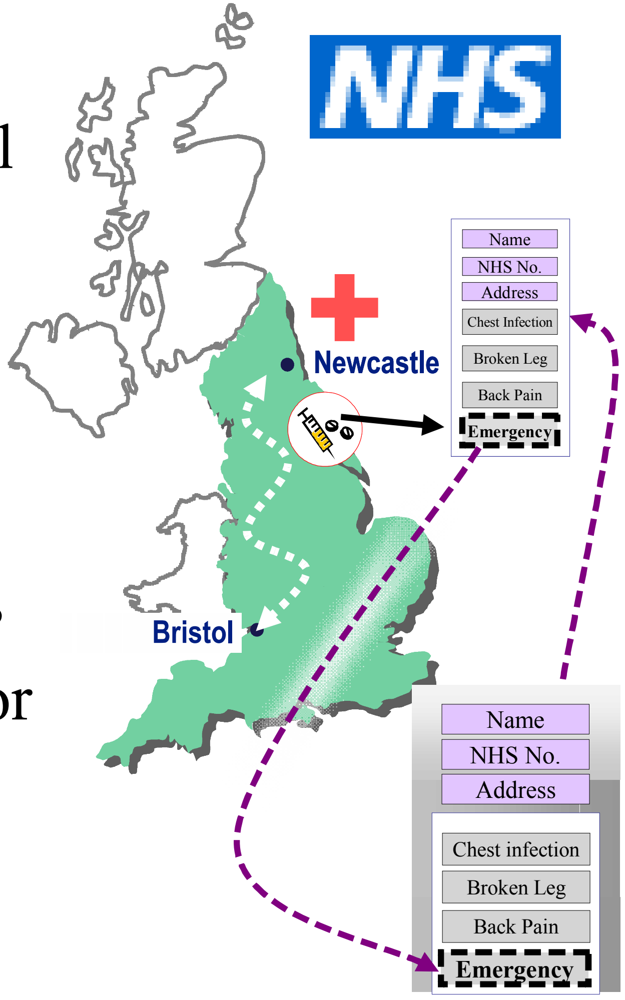
Business Benefits

- Realized multi-million dollar savings in development costs
- Services offered to customer through channel of preference
- Respond rapidly to market opportunities with new service offerings
- New channels and partners can be integrated into Services Oriented Architecture in a fraction of the time, and at a fraction of the cost, providing significant competitive advantage
- With JES, "the more you use, the more you save"

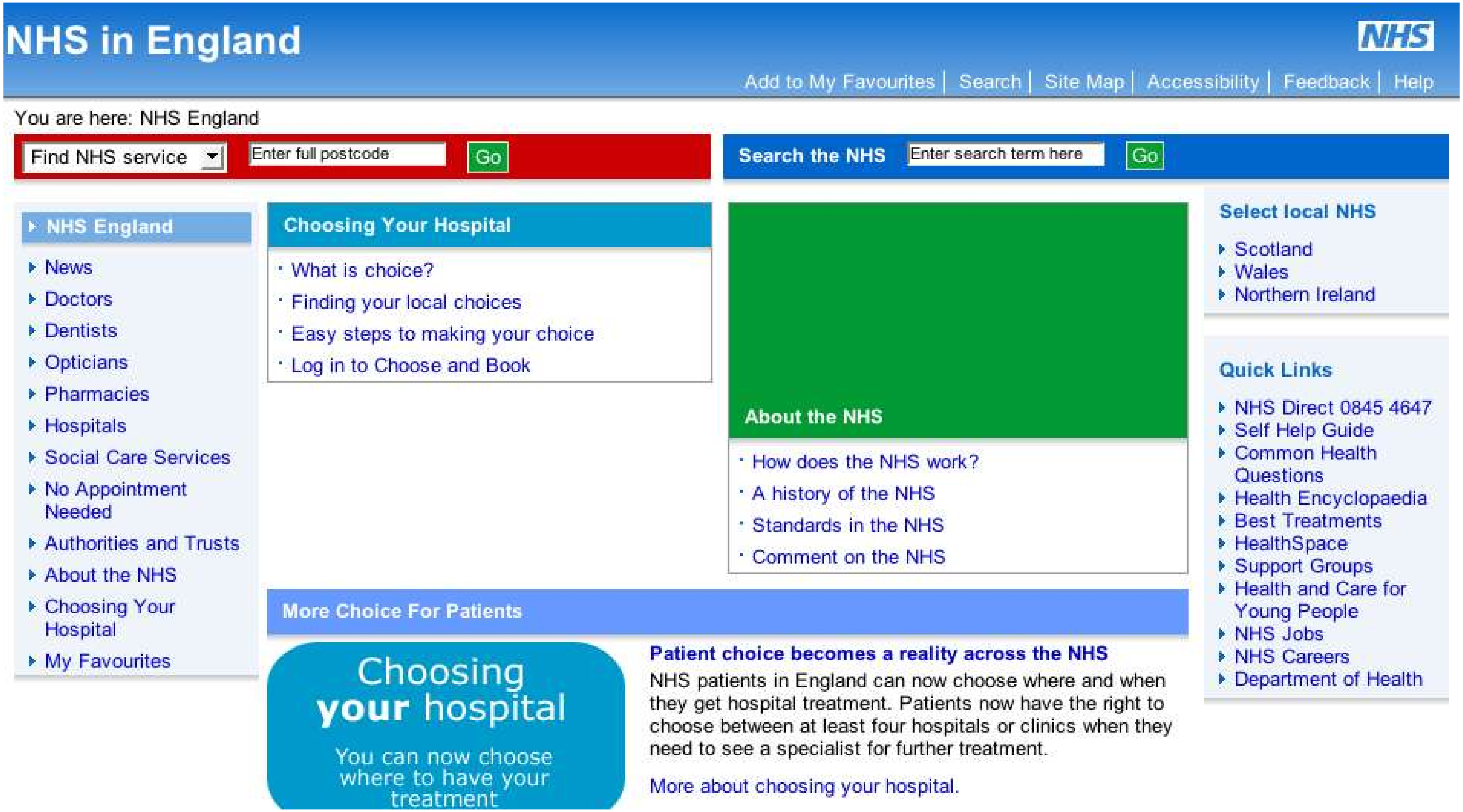
The UK National Health Service

- Integration backbone for all of UK National Healthcare
- 50+ million patients with life-long healthcare records
- 600,000 providers (doctors, nurses, scientists)
- 10,000 systems & 40,000 sites
- 6 billion transactions per year for the National Service Provider (NASP) “Spine”
- 56 billion to 66 billion messages per year for the Local Service Providers

175 million transactions per day!



www.nhs.uk



NHS in England

NHS

Add to My Favourites | Search | Site Map | Accessibility | Feedback | Help

You are here: NHS England

Find NHS service | Enter full postcode | Go

Search the NHS | Enter search term here | Go

- NHS England
- News
- Doctors
- Dentists
- Opticians
- Pharmacies
- Hospitals
- Social Care Services
- No Appointment Needed
- Authorities and Trusts
- About the NHS
- Choosing Your Hospital
- My Favourites

Choosing Your Hospital

- What is choice?
- Finding your local choices
- Easy steps to making your choice
- Log in to Choose and Book

About the NHS

- How does the NHS work?
- A history of the NHS
- Standards in the NHS
- Comment on the NHS

Select local NHS

- Scotland
- Wales
- Northern Ireland

Quick Links

- NHS Direct 0845 4647
- Self Help Guide
- Common Health Questions
- Health Encyclopaedia
- Best Treatments
- HealthSpace
- Support Groups
- Health and Care for Young People
- NHS Jobs
- NHS Careers
- Department of Health

More Choice For Patients

Choosing your hospital

You can now choose where to have your treatment

Patient choice becomes a reality across the NHS

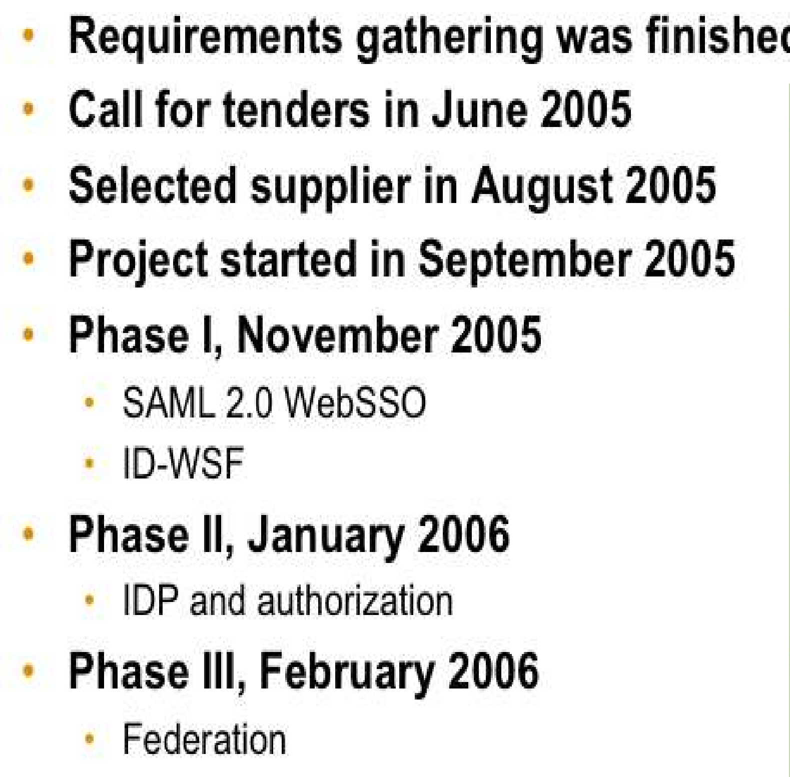
NHS patients in England can now choose where and when they get hospital treatment. Patients now have the right to choose between at least four hospitals or clinics when they need to see a specialist for further treatment.

More about choosing your hospital.

Finland Board of Taxes

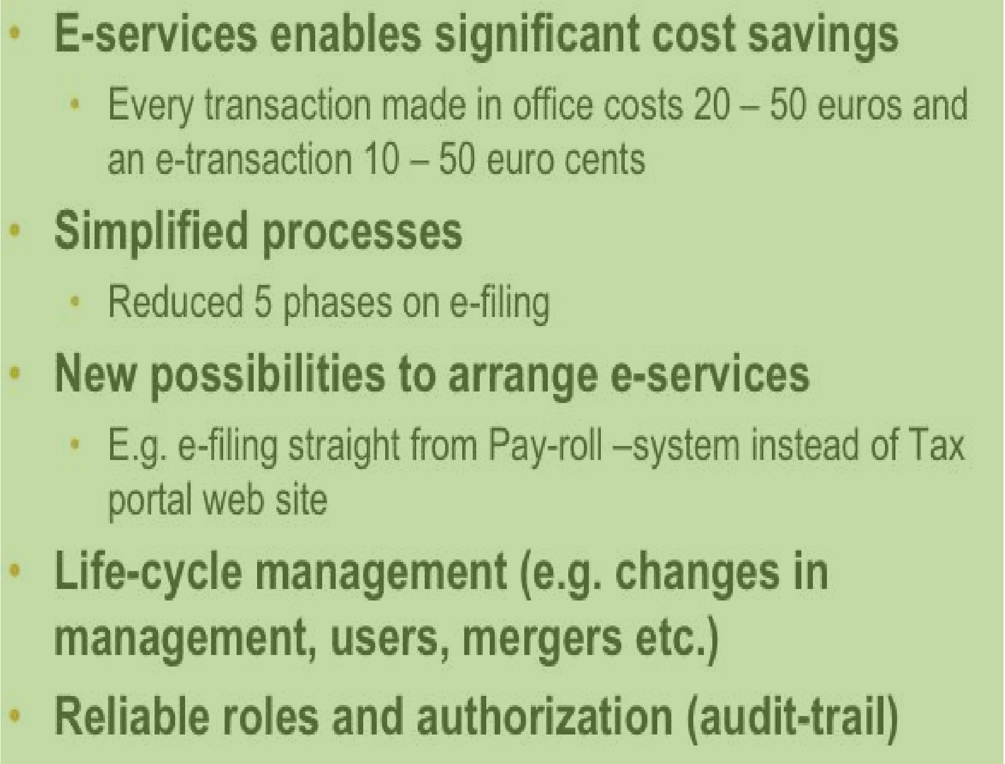
Created Identity Provider (IDP) for on-line tax payment and management of official documents. The initial phase is serving 2.6 million citizens.

http://www.projectliberty.org/about/adoption_egov.php#usgov



- Requirements gathering was finished in May 2005
- Call for tenders in June 2005
- Selected supplier in August 2005
- Project started in September 2005
- Phase I, November 2005
  - SAML 2.0 WebSSO
  - ID-WSF
- Phase II, January 2006
  - IDP and authorization
- Phase III, February 2006
  - Federation

Benefits



- E-services enables significant cost savings
  - Every transaction made in office costs 20 – 50 euros and an e-transaction 10 – 50 euro cents
- Simplified processes
  - Reduced 5 phases on e-filing
- New possibilities to arrange e-services
  - E.g. e-filing straight from Pay-roll –system instead of Tax portal web site
- Life-cycle management (e.g. changes in management, users, mergers etc.)
- Reliable roles and authorization (audit-trail)

Austrian Citizen Card

Provides on-line banking service using national card.
The initial phase is serving 8 million citizens.

The front of the card contains:

- Holder's signature and photo
- Holder's name
- Personal code (national ID code)
- Date of birth
- Gender
- Citizenship status
- Card number
- Card validity expiry date

The reverse of the card contains:

- Holder's place of birth
- Card issuing date
- Residence permit details (if applicable)
- Card and holder data in machine readable format (except for the photo and signature)

Federated Identity is an increasingly important concept that can offer governments and businesses a convenient and secure way to control identity information, whilst helping promote the take-up of eGovernment and eCommerce services. Federated Identity Management (FIM) also has great promise in terms of development of cross-border eGovernment, potentially allowing citizens to flexibly access online services, regardless of the country they are in.

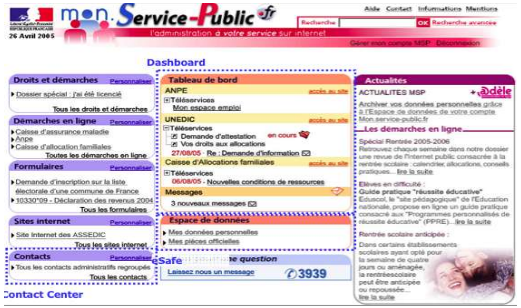
http://www.projectliberty.org/about/adoption_egov.php#usgov

French Government

Public Service portal that allows every citizen to access different services based on a federated identity system. The project will serve 60 million citizens.

http://www.projectliberty.org/about/adoption_egov.php#usgov

- The personalized service “Mon service-public" will be accessible from the *service-public.fr* portal. It will enable every citizen to set up his or her own home page to access all the online public services of concern to him or her. Users will thus be able to access all their official paperwork.
- "Mon service-public" will incorporate the services developed by the administrations (taxes account, family benefits, etc...) and those developed by the ADAE (change of address, applications for certificates from the civil register, etc...).



mon.Service-Public.fr

l'administration à votre service sur internet

26 Avril 2005

Aide Contact Informations Mentions

Recherche OK Recherche avancée

Gérer mon compte MSP Déconnexion

Dashboard

Droits et démarches Personnaliser
- Dossier spécial : j'ai été licencié

Tous les droits et démarches

Démarches en ligne Personnaliser
- Caisse d'assurance maladie
- Anpe
- Caisse d'allocation familiales

Toutes les démarches en ligne

Formulaires Personnaliser
- Demande d'inscription sur la liste électorale d'une commune de France
- 10330*09 - Déclaration des revenus 2004

Tous les formulaires

Sites internet Personnaliser
- Site Internet des ASSEDIC

Tous les sites internet

Contacts Personnaliser
- Tous les contacts administratifs regroupés

Tous les contacts

Contact Center

Tableau de bord

ANPE accès au site

⊞Téléservices

Mon espace emploi

UNEDIC accès au site

⊟Téléservices

☒ Demande d'attestation en cours

☒ Vos droits aux allocations

27/08/05 - Re : Demande d'information

Caisse d'Allocations familiales accès au site

⊞Téléservices

06/08/05 - Nouvelles conditions de ressources

Messages

3 nouveaux messages

Espace de données
- Mes données personnelles
- Mes pièces officielles

eSafe

…ne question

Laissez nous un message

3939

Actualités

ACTUALITES MSP +@dèle

Archiver vos données personnelles grâce à l'Espace de données de votre compte Mon.service-public.fr

Les démarches en ligne

Spécial Rentrée 2005-2006

Retrouvez chaque semaine dans notre dossier une revue de l'Internet public consacrée à la rentrée scolaire : calendrier, allocations, conseils pratiques... lire la suite

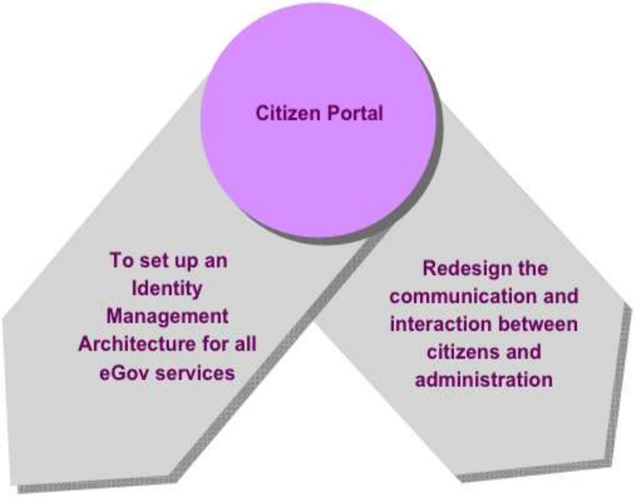
Elèves en difficulté :

Guide pratique "réussite éducative"

Eduscol, le "site pédagogique" de l'Education nationale, propose en ligne un guide pratique consacré aux "Programmes personnalisés de réussite éducative" (PPRE)... lire la suite

Rentrée scolaire anticipée :

Dans certains établissements scolaires ayant opté pour la semaine de quatre jours ou aménagée, la rentréescolaire peut être anticipée ou repoussée... lire la suite



Citizen Portal

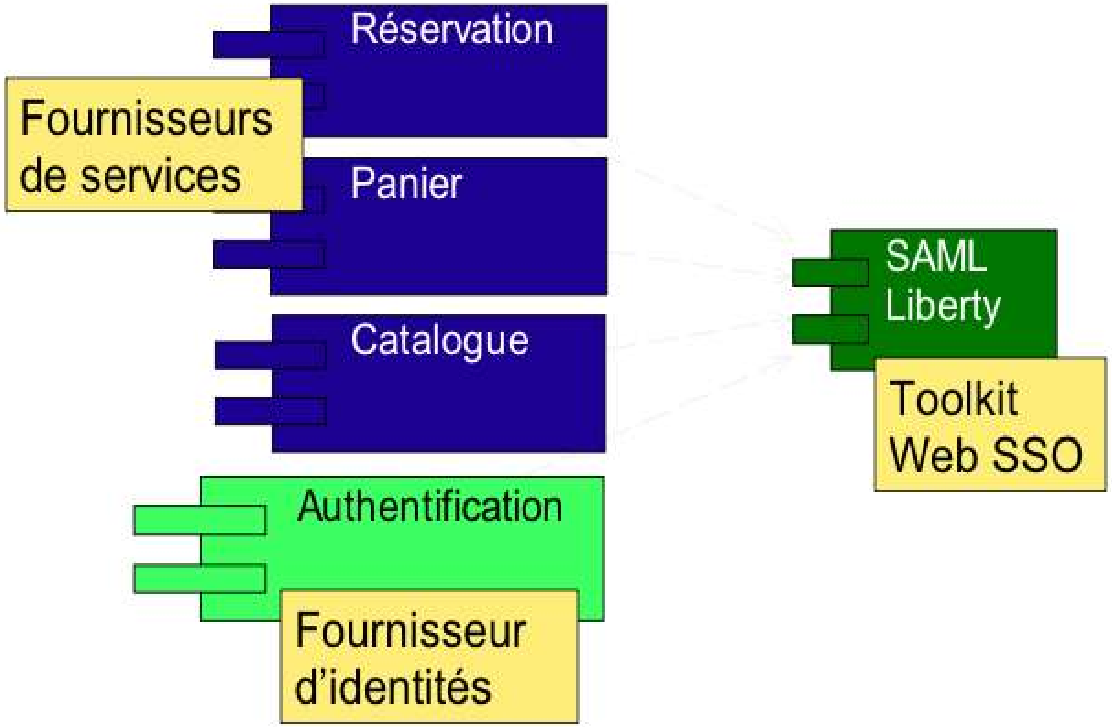
To set up an Identity Management Architecture for all eGov services

Redesign the communication and interaction between citizens and administration

French National Library

Library account management and authorization. The project is serving 20,000 accounts and 6,000 authorizations per day.

http://www.projectliberty.org/about/adoption_egov.php#usgov

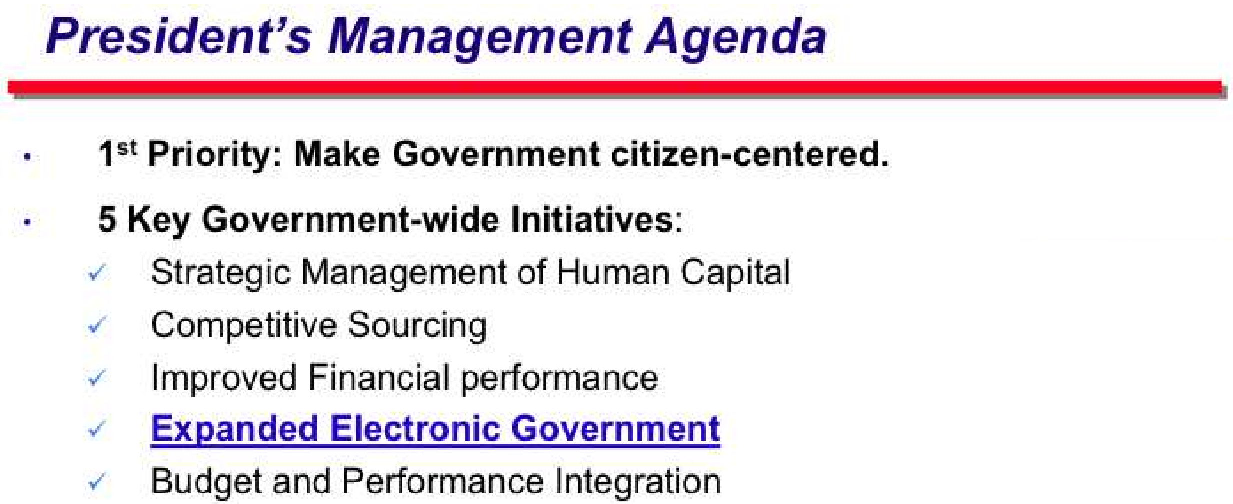


Deployment (4 man months):
- 3 developers
- 2 test engineers
- 2 system engineers
- 2 architects

US Government

Public Service federation that allows every citizen to access different services based on a federated identity system. The project will serve 10s million citizens.

http://www.projectliberty.org/about/adoption_egov.php#usgov



President's Management Agenda

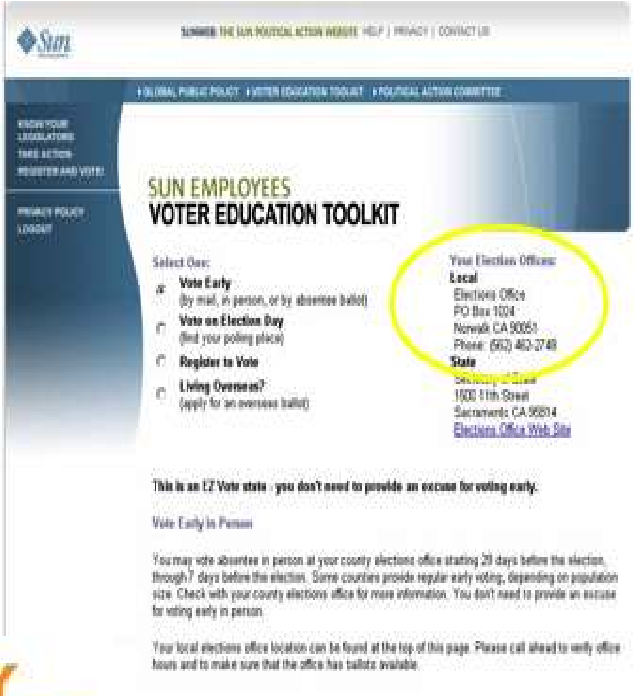
- **1st Priority: Make Government citizen-centered.**
- **5 Key Government-wide Initiatives**:
  - ✓ Strategic Management of Human Capital
  - ✓ Competitive Sourcing
  - ✓ Improved Financial performance
  - ✓ **Expanded Electronic Government**
  - ✓ Budget and Performance Integration

US Citizen Political Action (BIPAC)

Repeatable solution for managing political action committee donations and the dissemination of election information. The project will enable 500K citizens EOY.

http://www.projectliberty.org/about/adoption_egov.php#usgov

- Each state regulates their own elections
  - Ranges from
    - Unlimited corporate contributions and advocacy
    - No corporate involvement whatsoever
- Penalties also vary
  - Most severe
    - Large personal fines for corporate officers
    - 10 Years jail time
    - Corporate charter is disolved



Sun
SUNWEB: THE SUN POLITICAL ACTION WEBSITE HELP | PRIVACY | CONTACT US
▸ GLOBAL PUBLIC POLICY ▸ VOTER EDUCATION TOOLKIT ▸ POLITICAL ACTION COMMITTEE
KNOW YOUR LEGISLATORS
TAKE ACTION
REGISTER AND VOTE!
PRIVACY POLICY
LOGOUT

SUN EMPLOYEES
VOTER EDUCATION TOOLKIT

Select One:

● **Vote Early**
(by mail, in person, or by absentee ballot)

○ **Vote on Election Day**
(find your polling place)

○ **Register to Vote**

○ **Living Overseas?**
(apply for an overseas ballot)

Your Election Offices:
Local
Elections Office
PO Box 1024
Norwalk CA 90651
Phone: (562) 462-2748
State
Secretary of State
1500 11th Street
Sacramento CA 95814
Elections Office Web Site

This is an EZ Vote state - you don't need to provide an excuse for voting early.

Vote Early In Person

You may vote absentee in person at your county elections office starting 29 days before the election, through 7 days before the election. Some counties provide regular early voting, depending on population size. Check with your county elections office for more information. You don't need to provide an excuse for voting early in person.

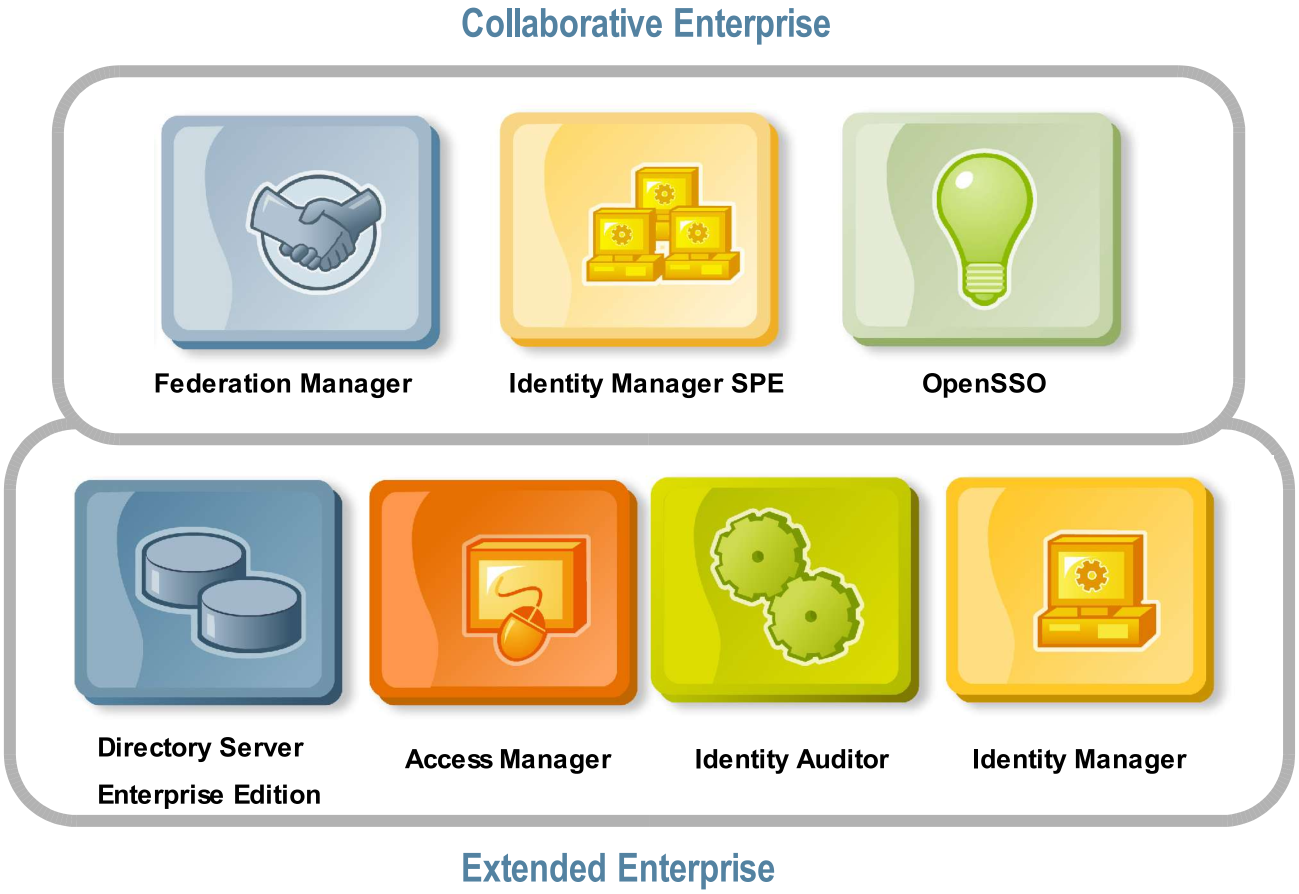
Your local elections office location can be found at the top of this page. Please call ahead to verify office hours and to make sure that the office has ballots available.

LIBERTY ALLIANCE PROJECT

Questions?

Sun Identity Management Suite

Fueling the Participation Age



Collaborative Enterprise

Federation Manager

Identity Manager SPE

OpenSSO

Directory Server Enterprise Edition

Access Manager

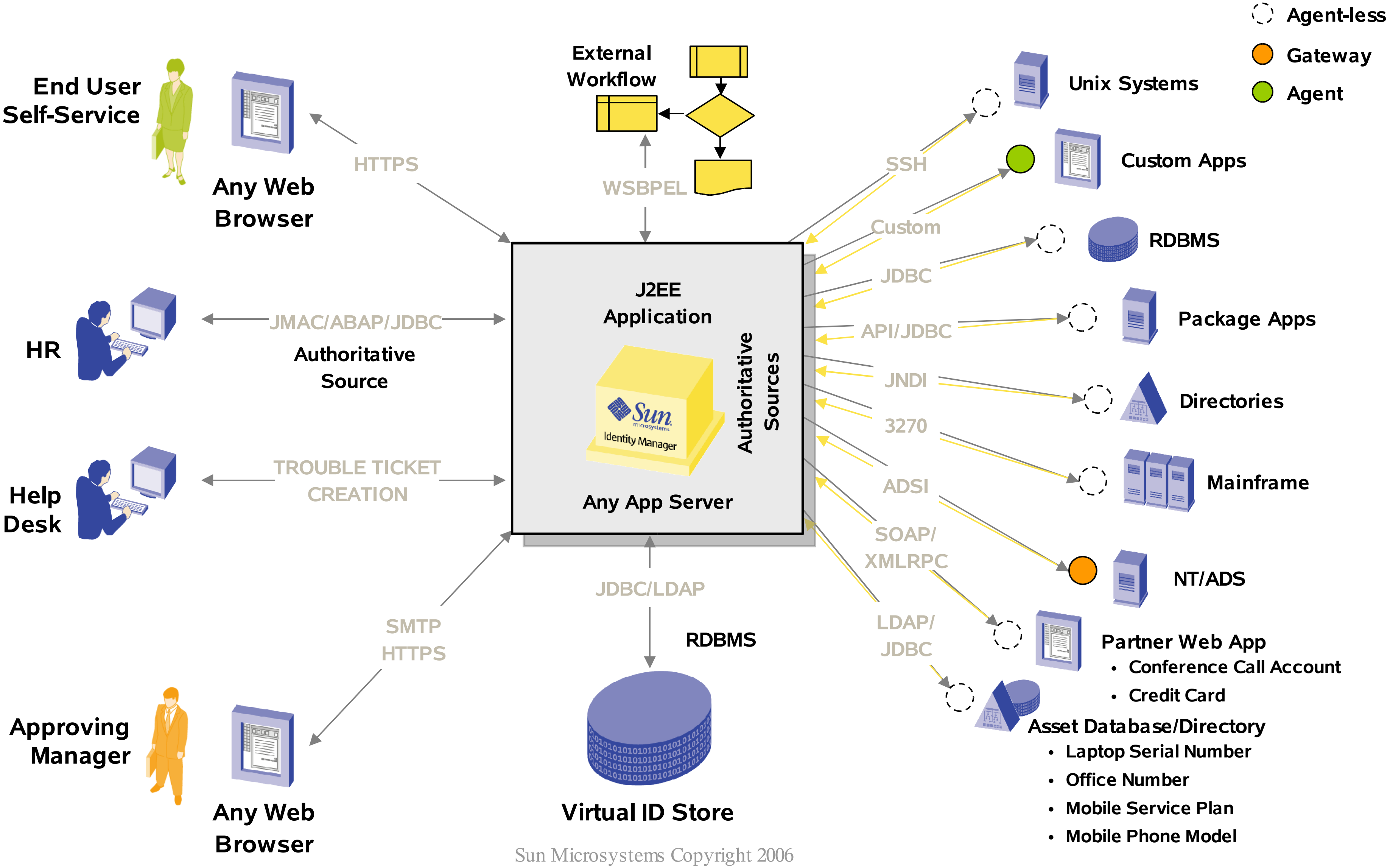
Identity Auditor

Identity Manager

Extended Enterprise

- Sun leads the way with more innovation for the collaborative enterprise
- Most comprehensive and integrated identity management for the extended enterprise

Identity Manager Overview Topology



◌ Agent-less
● Gateway
● Agent
End User Self-Service
Any Web Browser
HTTPS
External Workflow
WSBPEL
HR
JMAC/ABAP/JDBC
Authoritative Source
Help Desk
TROUBLE TICKET CREATION
Approving Manager
Any Web Browser
SMTP HTTPS
J2EE Application
Sun microsystems
Identity Manager
Any App Server
Authoritative Sources
JDBC/LDAP
RDBMS
Virtual ID Store
SSH
Custom
JDBC
API/JDBC
JNDI
3270
ADSI
SOAP/ XMLRPC
LDAP/ JDBC
Unix Systems
Custom Apps
RDBMS
Package Apps
Directories
Mainframe
NT/ADS
Partner Web App
• Conference Call Account
• Credit Card
Asset Database/Directory
• Laptop Serial Number
• Office Number
• Mobile Service Plan
• Mobile Phone Model