

12 mars 2009
Baker & McKenzie,
Paris

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Les technologies de gestion de l'identité

ATELIER 1

Paul TREVITHICK, CEO de Parity – Responsable projet Higgins – Président
Fondation Infocard (en anglais)

InfoCard / Higgins

Fulup AR FOLL, Sun – Master Architect

Liberty Alliance

Christophe BOUTET, Entr'ouvert – PDG

Point de vue d'un intégrateur de solution Liberty Alliance

Sébastien BRAULT, **Karim SBATA**, Orange

OpenID et solutions Orange

Pierre COUZY, Microsoft France - Architecte en système d'informations

Philippe BERAUD, Microsoft France

Cardspace et autres solutions Microsoft



Information Cards

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In 2003...

We set out to create a user-centered, open source identity framework for the Internet called **Higgins** based on the **Information Card** metaphor.

Simplicity

- One-click login
- One-click registration
- One click payment
- No more passwords

Safety & Privacy

- Phishing resistance
- Verified identities
- Minimal disclosure
- User consent & notice

Empowerment

- Support for Identity-aware applications
- Personalized web experience
- Synchronization of profile data across silos

I-Cards Gained Momentum in 2008

Leading companies came together to form the Information Card Foundation*, validating our Higgins work:



Information Card
Foundation

Novell. . . T Deutsche
Telekom



Microsoft®

ORACLE®

Google™

EQUIFAX

PayPal

* Azigo's CEO is the chair of the Information Card Foundation

Proof Points

In the past six months, leaders have launched I-Card based solutions:



Created the industry's first digital identity card: "I'm over 18"



Will demonstrate a payment I-Card in April 2009



Accept I-Card from Orange Mobile for verified sign-in



Builds I-Card support into Tivoli Identity Manager

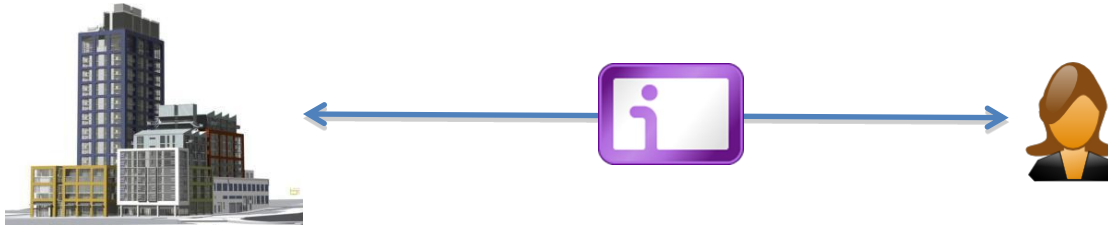


Building I-Card support into its server products

eCommerce Relationship Problems



Answer: Information Cards



Card-relying sites offer

- One click registration
- One click login
- One click payment
- Fewer forms to fill
- No more passwords

Card-issuing sites offer

- In-browser reminders of discounts, etc. on search result pages (e.g. Google)
- Bank payment cards
- Credit agencies issue credit score cards

Paying with a card

[Return to Cart](#)

Thousands of Possibilities | **GET YOURS**

BEST BUY

Payment Information

Choose your payment options below. You will be able to review your order before you pay.

Need help?
Call 1-888-BEST-BUY

Cost Summary

Product Total:	\$89.99
Shipping & Handling:	FREE
Tax:	\$4.50
Order Total:	\$94.49

Use a Credit Card

Enter your credit card information.
If you are entering the Reward Zone MasterCard, please select Card type MasterCard.

Card Type
Select Card

Credit Card Number **Expiration Date**
Mo Year


CID
Authorized Signature
4000 4561 6564 7890 123
Jane P. Smith

Visa, MasterCard, Discover: Last 3 digits on back of card.
American Express: Last 4 digits in small print on the front.
[What's a CID?](#)

☒ Save my credit card information for my next visit.

Billing Address
Jack C - 14 ANDREW LN [Add an address](#) | [Edit this address](#)

Use this card again?



Jack's AMEX Card

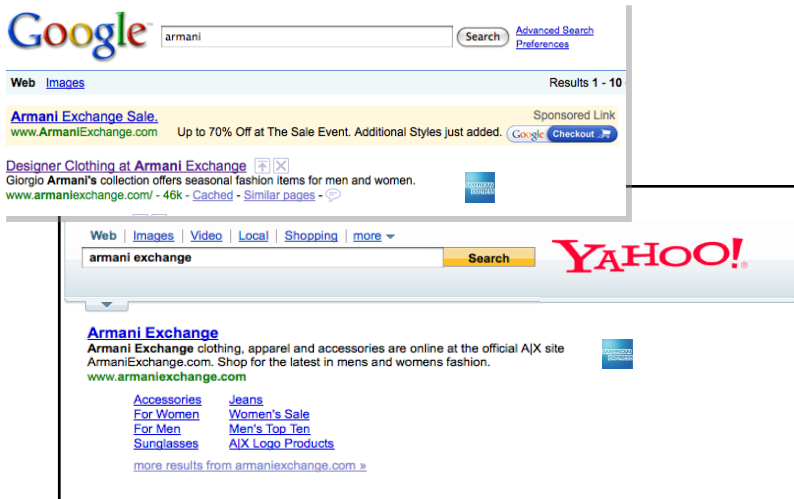
To Website:
rh157.azigo.net

[Send Another Card](#) [Submit Card](#)

Your card → *In-browser reminders*

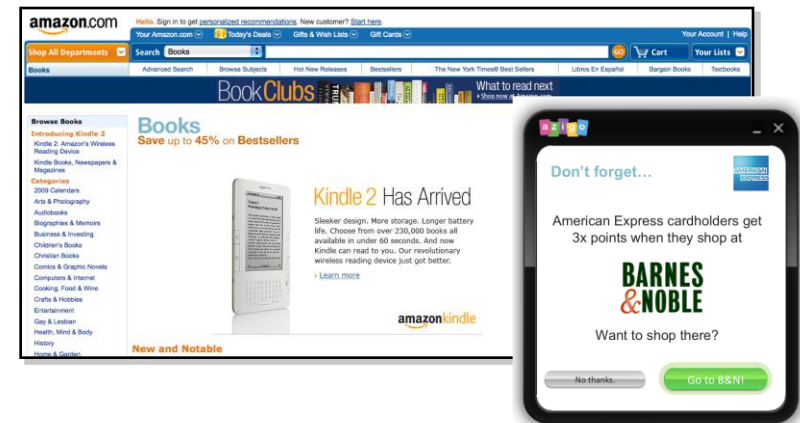
Promote your loyalty programs...

Drive traffic to your rewards portal through in-browser reminders



...and partner web sites

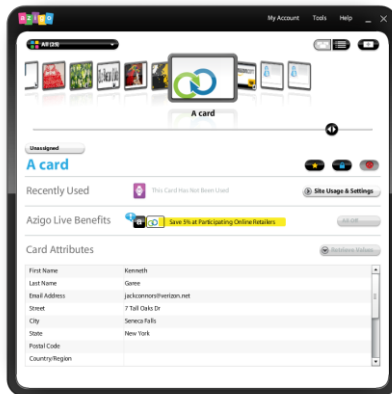
Drive traffic to partner sites



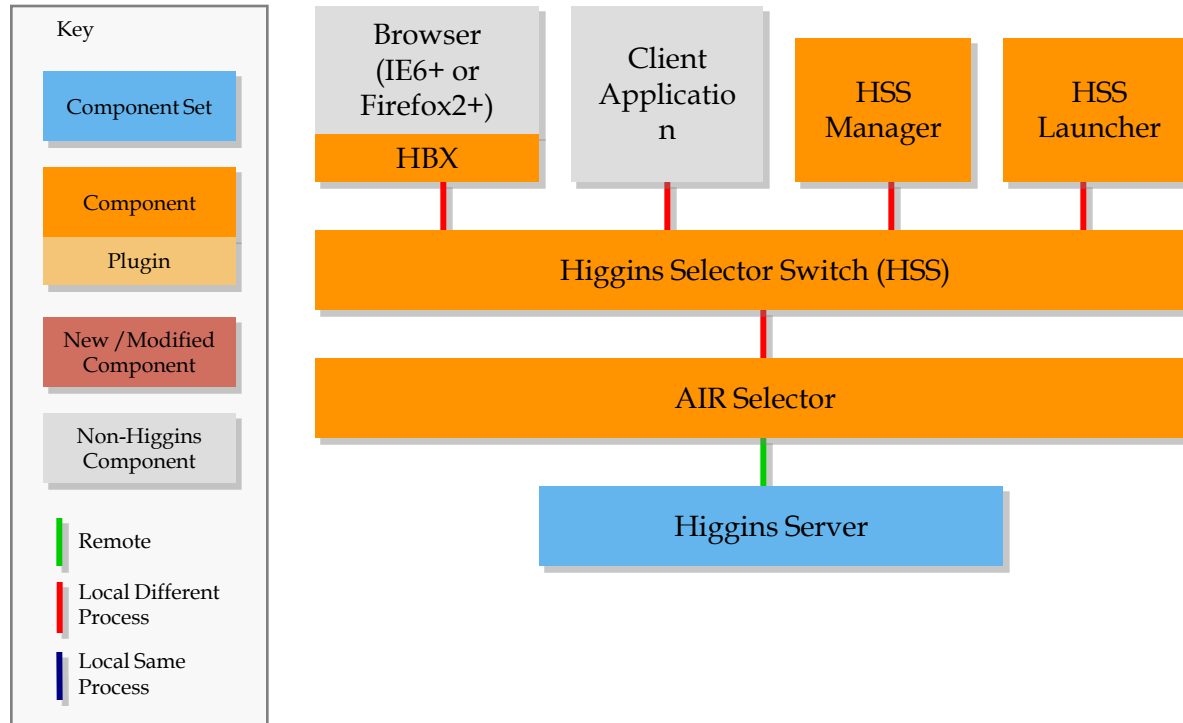
Solution Components: Consumer



- Downloadable card selector application (Windows, Mac & Mobile)
- Powered by a web service (includes OpenID provider)



Consumer Client



V1.1.119

Target Platforms for client portion: Windows, Mac OSX

Website Solution Components



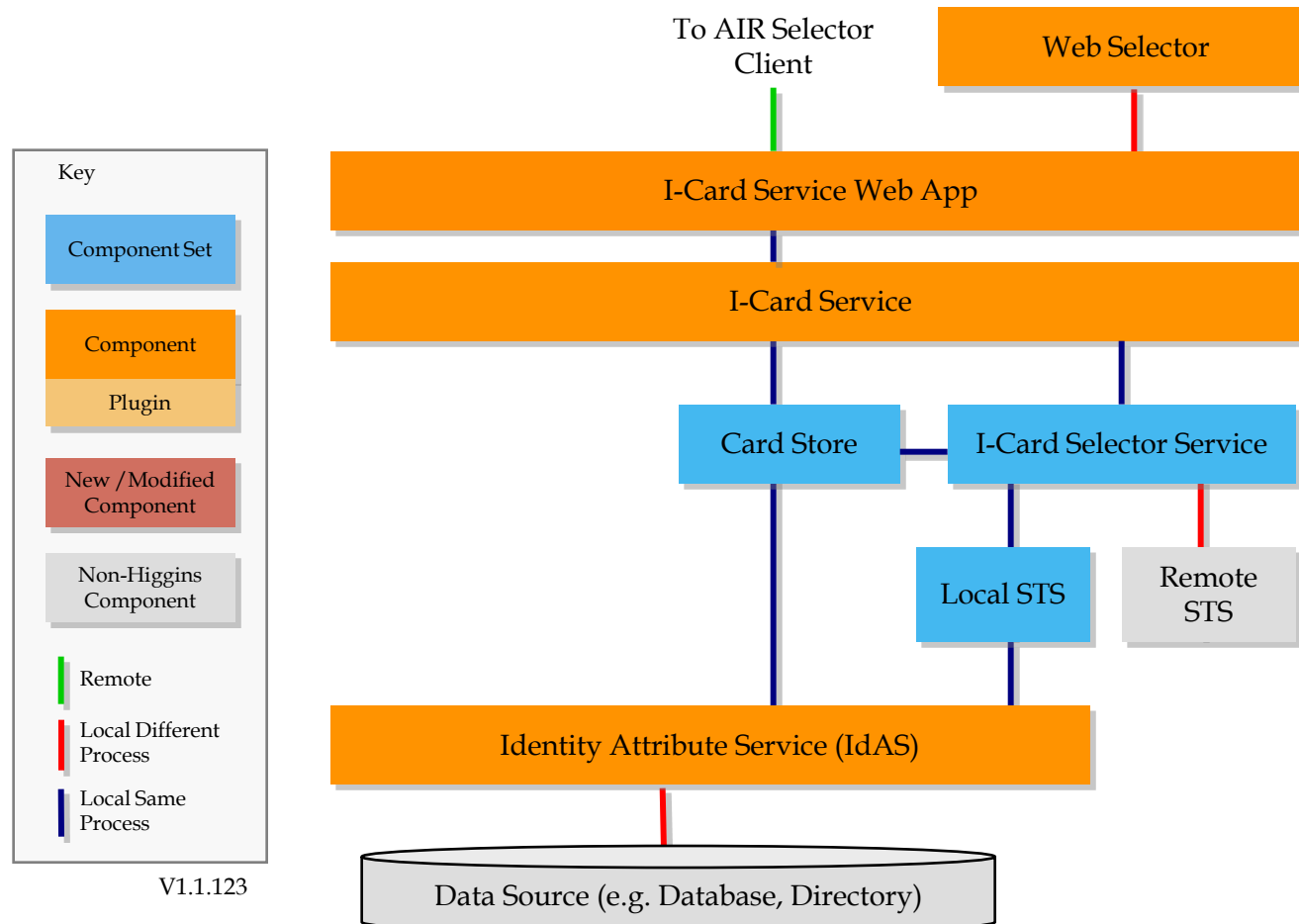
Card-**accepting** sites



Card-**issuing** sites

Both kinds of sites integrate support for Information Cards and OpenID using toolkits and services available today from IBM, Novell, Microsoft, **Azigo** and many others

Server



Interoperability

- I-Cards provide a common user metaphor
- They are protocol agnostic:
 - WS-*, OpenID, Liberty/SAML, username/password
- The user is the central point of federation!
 - Across Liberty circles of trust, OpenID providers, etc.

Interoperability: 2008 Demonstration

Companies



Interoperability: 2008 Demonstration

Projects



eGovernment Architectures

- We are involved with the French FC² Project
- Involves using the user as the federation point
- Integrates existing eGovernment Circles of Trust
- Unifies under the Card metaphor

Mobility

Platforms we're working on

- Nokia – Java J2ME prototype selector by Orange
- iPhone – pure web-based interface
- Deutsche Telekom and Nokia also prototyping

Ergonomics

- Clicking on a card makes a lot more sense than typing in passwords and filling in forms!

Strong Authentication

- Information Cards is a framework for authentication
 - Each card issuer decides what kind of authentication
 - Smart cards, etc. plug into the device/computer and from there into the framework

Privacy

- Selectors are all about user control and privacy
- The user is in the middle of the flow
- Notice and consent for disclosure
- Minimal set of claims necessary is released
- Verified anonymity
- Client-side encryption (no clear data on servers)

Zero Knowledge

- Microsoft has demonstrated uProve zero knowledge proof technology
- This kind of technology will be available 2009/2010

Adoption: Key Driver

- It is an identity metasystem not a new protocol
- It integrate protocols under a simple card metaphor that users can understand
- The key driver is eCommerce sites, banks, governments, etc. adopting it and driving selector downloads
- April (RSA 2009) a top 10 eCommerce site and a top 10 bank will demonstrate support
- It has no competition; no alternative exists