# INTERNET IDENTITY

A Process of Adaptation

Andrew Nash - Google





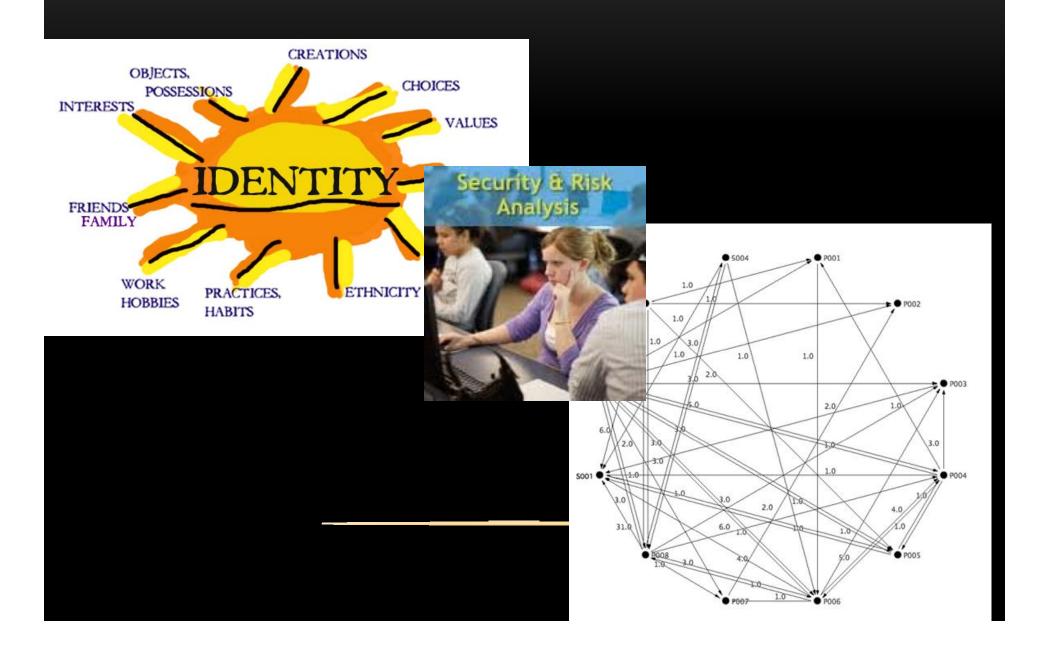


# IDManagement.GOV





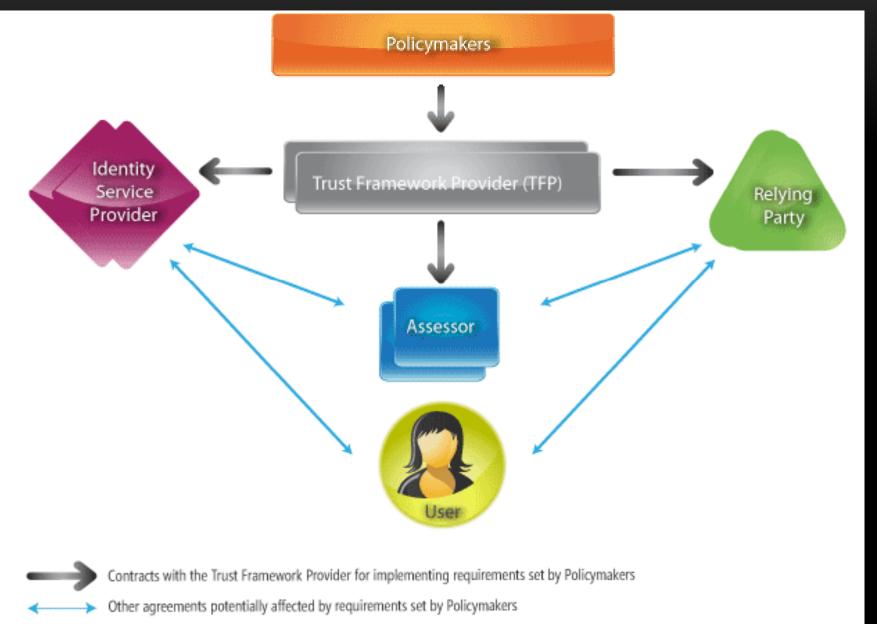
### RISK BASED IDENTIFICATION

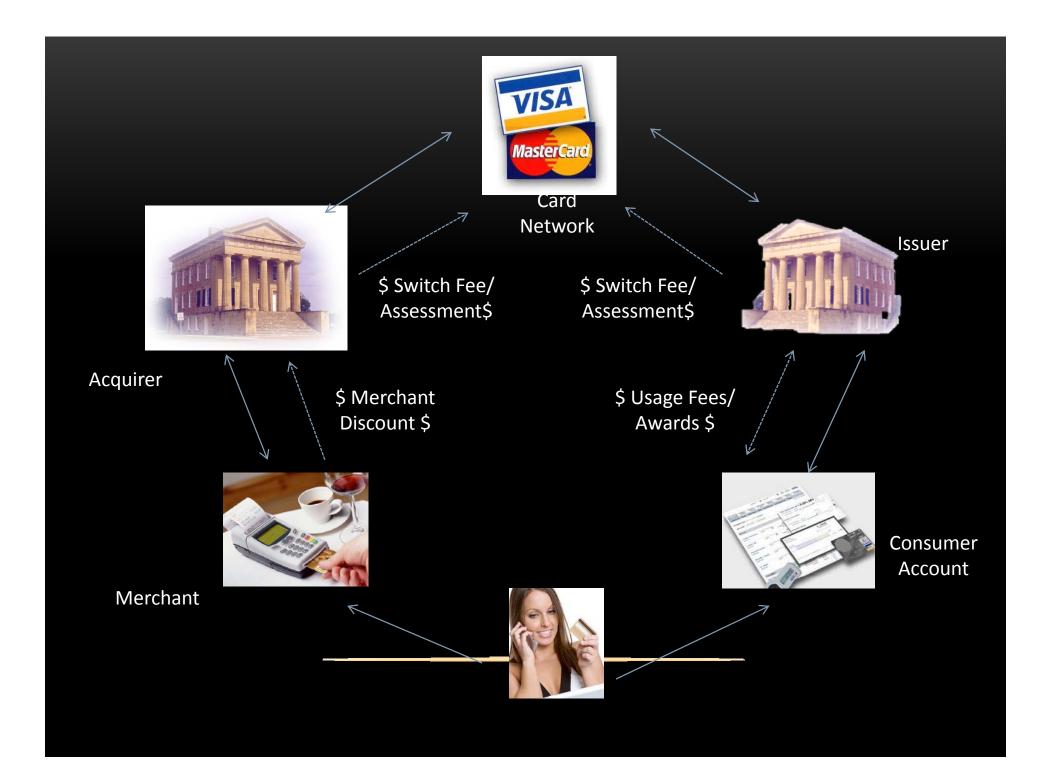


### IDENTITY INFORMATION PROVIDERS

- Providing claims is not as simple as it looks
- Population coverage of RP needs
- Information sets vary in content and confidence
  - Type
  - Quality
  - Verified
  - Freshness
- Information sets are sparse
- Impedance matching of market segment requirements

# OPEN IDENTITY EXCHANGE







ME?

Is a legal person
Has a name & address
Pays taxes
Has utility bills
Has privacy protections
Linked to a Financial Institution



Is an email address
Has an identifier
Has a transaction history
Is a collection of Internet events





# THE SOLUTION...



ALL WE KNOW IS...HE'S CALLED THE

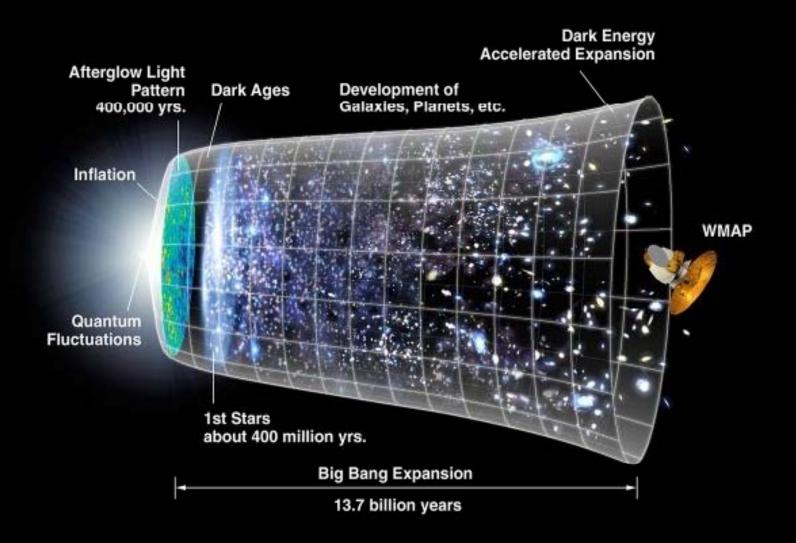
Linking digital identity to verified identity required by "real world" services

- Enabling scenarios where the real you is required
- User permissioned information sharing
- Affordable
- Reusable across services
- Utilizing a variety of authorities
- Supporting revenue model for attribute providers.









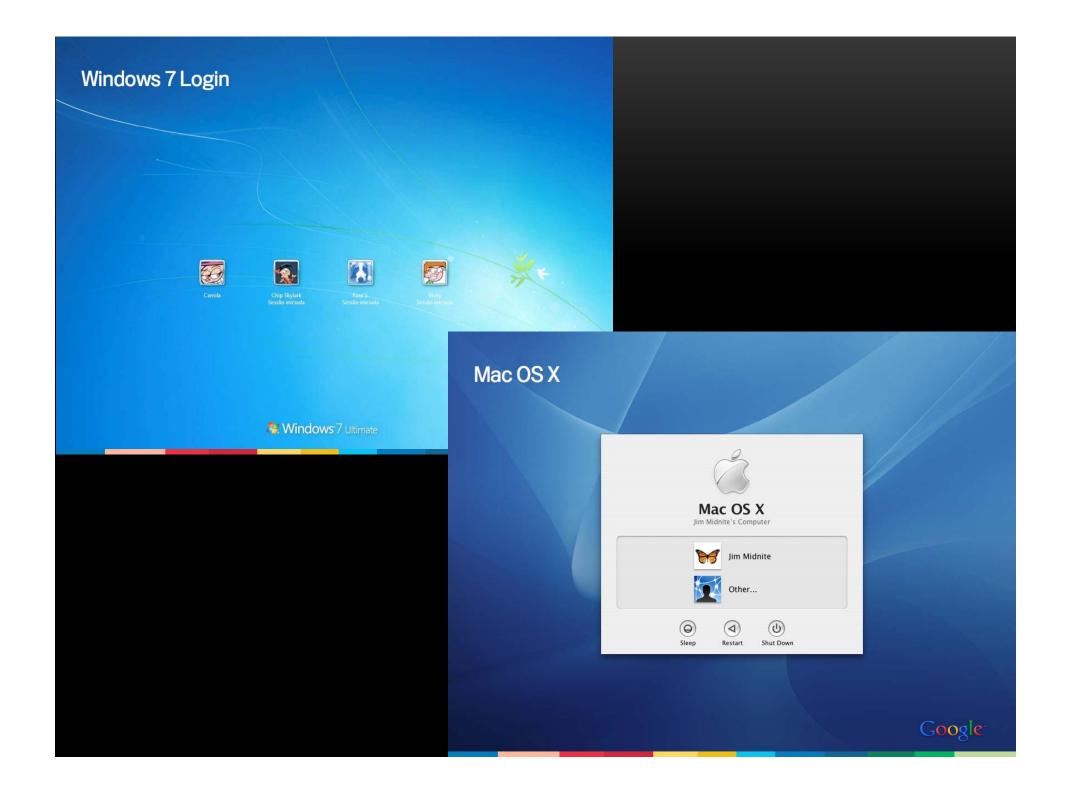
# ACCOUNT CHOOSER

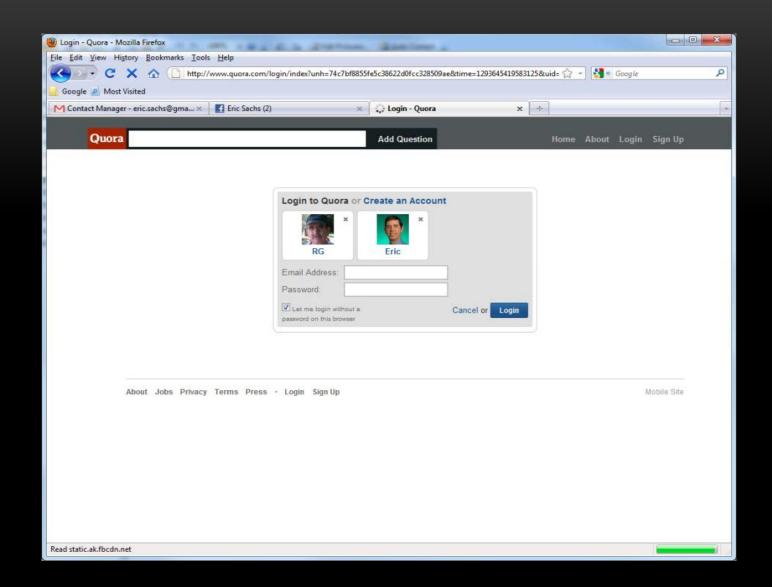
**Eliminating Passwords** 



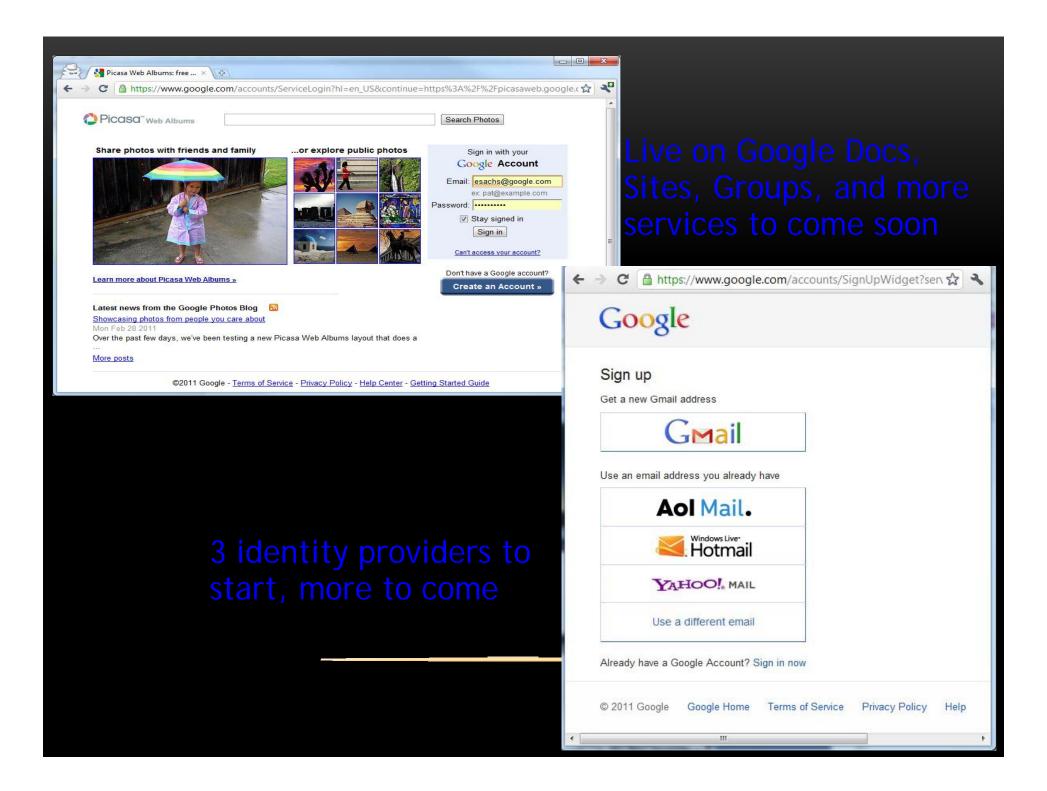
PASSWORD ENTRY ... SO MANY ISSUES





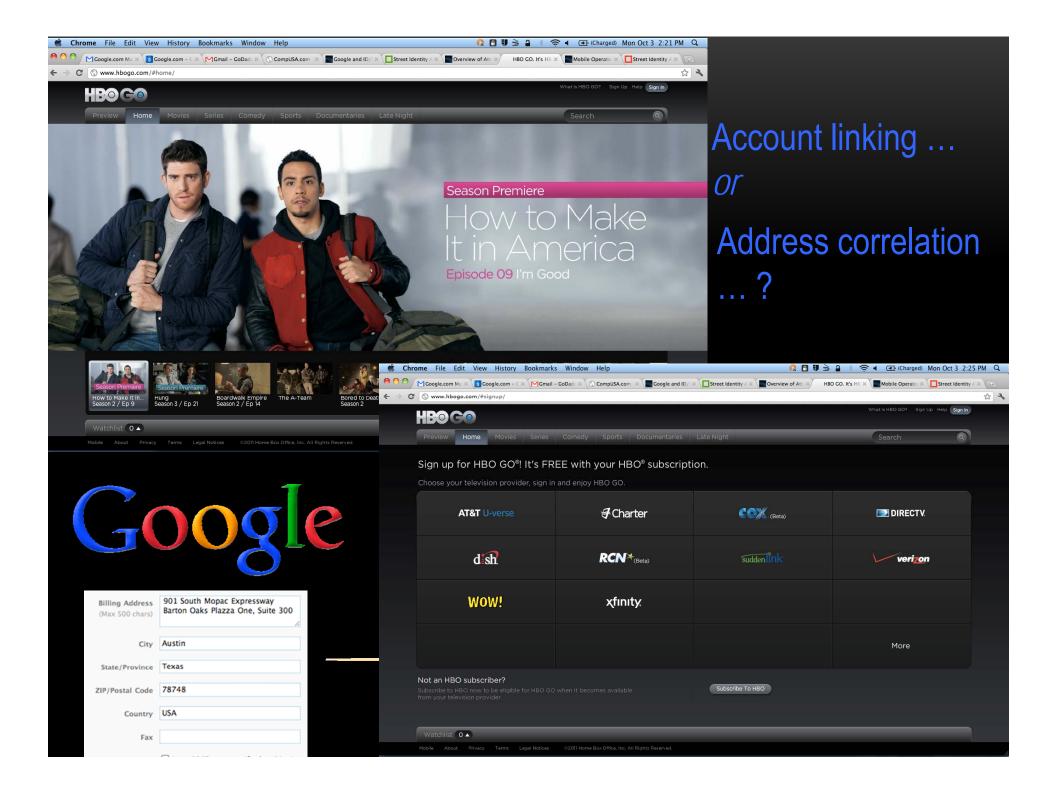


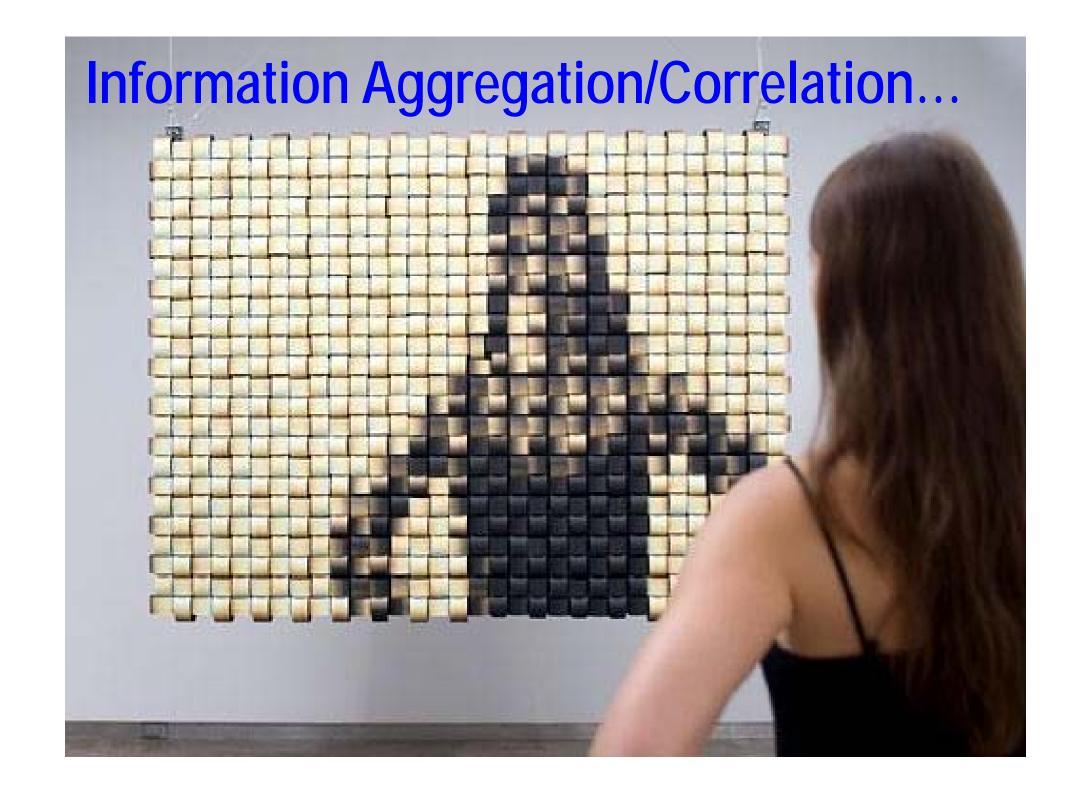
### BRINGING ACCOUNT CHOOSER TO THE WEB

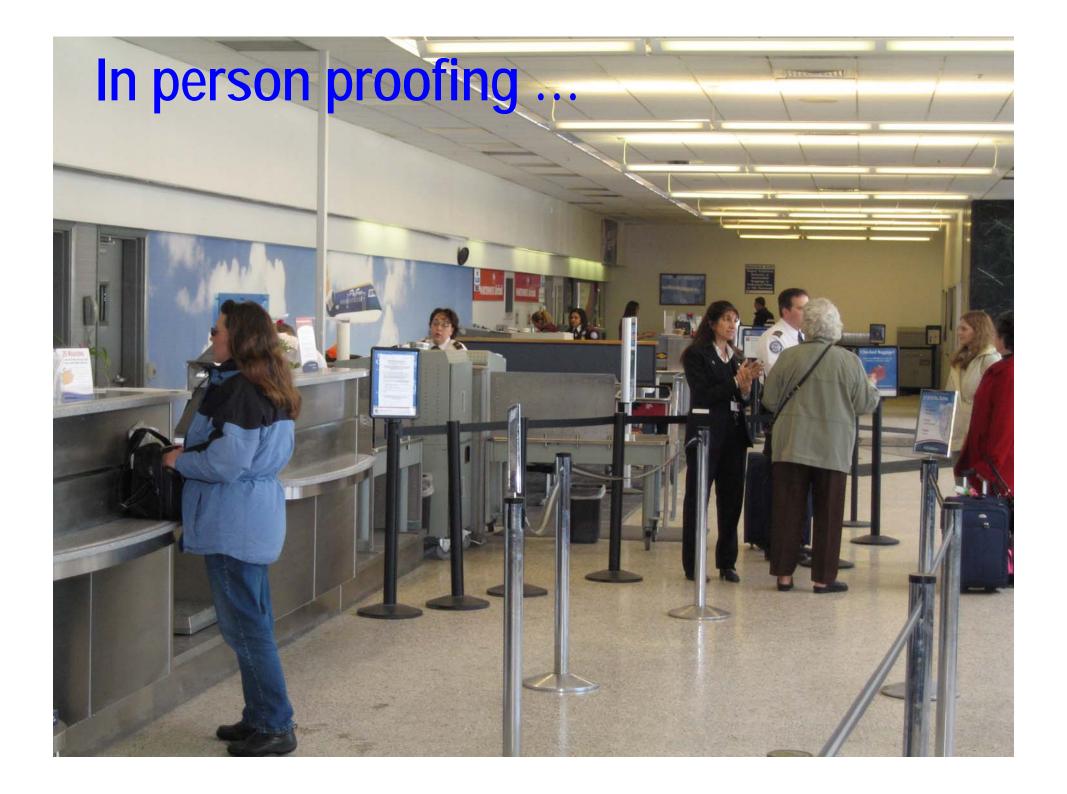


# STREET IDENTITY

Connecting you to your digital Identity







A. F. A. 2042 114/Gen. No./5248

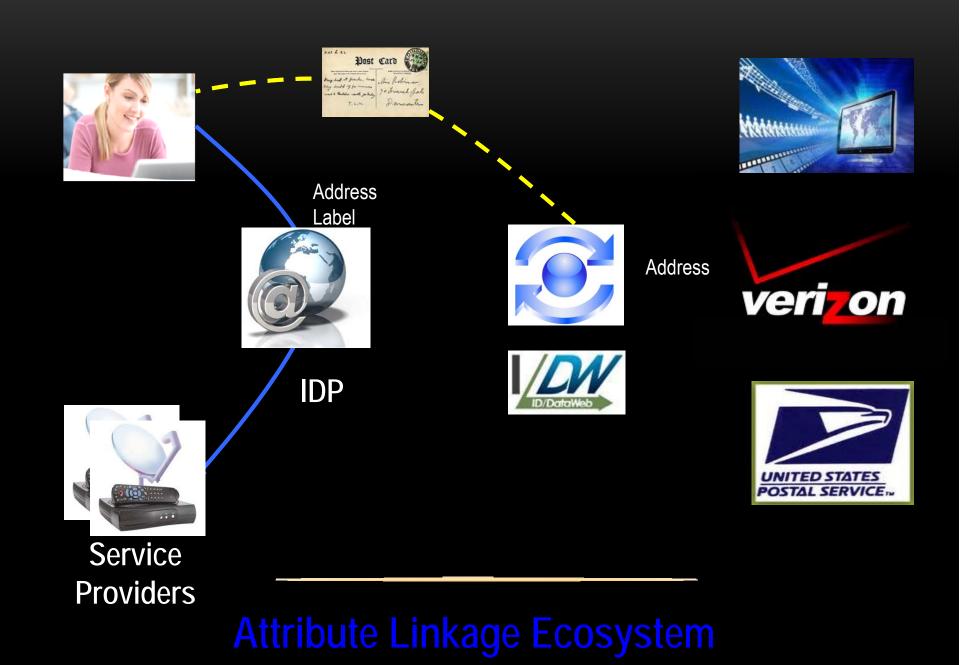
### FIELD



POST CARD

The address only to be written on this side.

If anything else is added, the post card will be destroyed.

































# STREET IDENTITY BROKER

- Range of address attribute providers
  - Fallback to postcard
- Amortize costs across multiple uses
  - Cost per validation at least halved
  - Drive cost to postage stamp + small Δ (\$1 / user / year)
- Reduce friction
  - Previous users authenticate only
- IDPs as distribution points for attribute providers
  - US Post connection ensures fresh data

### **Proof of Concept**

#### Purpose:

- -OIX progress milestone
- -Demo tool to enroll RP participation in pilot program
- Demonstrate User, AP, IDP and RP interfaces and process/data flows

#### Technical Objectives:

- -Complex AP with User interface
- -Will generate/accept a verification PIN code
- -Limited billing or postcard mailing capability
- −IDP features to support a Complex AP
- -Demo two sample RPs
- -Standard legal address/name formats DPV
- -Telco attribute capture and verification

#### Target Delivery Date:

-October 2011

### **Pilot Project**

#### Purpose:

- -OIX progress milestone
- Demonstrate User, AP, IDP and RP interfaces and process/data flows with live User data
- Demonstrate Legal, Policy and Technical interoperability, security and scalability

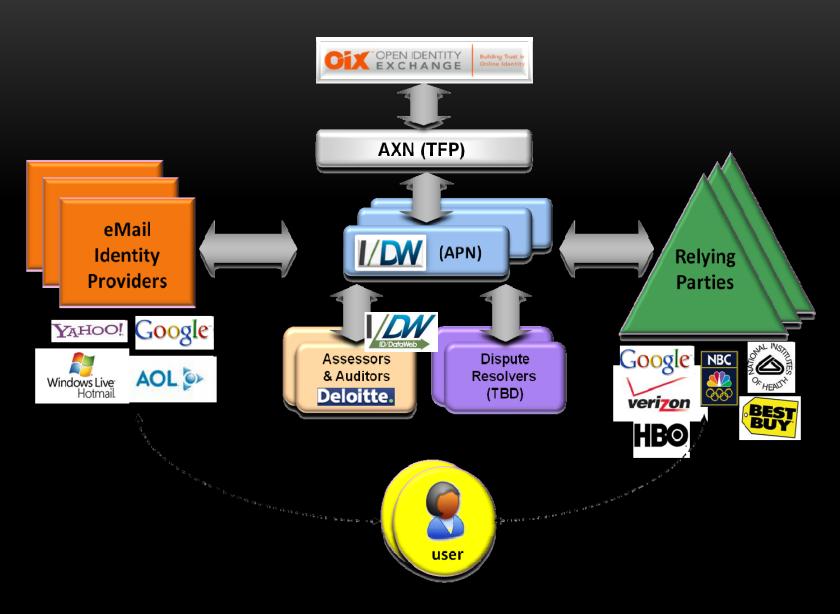
### Technical Objectives:

- -Complex AP with User interface
- -Will generate/accept a verification PIN code
- -Full billing (monthly) and postcard mailing
- -IDP features to support a complex AP
- —Pilot live data for 1+ Google RP, 2+ commercial RPs, 1+ Government RP
- -Standard legal address/name formats DPV
- -Telco attribute capture and verification

#### Target Delivery Dates:

- -Announcement November 9/10, 2011
- -Operational Pilots Q1 2012

# ATTRIBUTE LINKAGE POC / PILOT



## PILOT PARTICIPANTS