A Market Solution to Online Identity Trust
Kantara Initiative Bridges...

- Policy and Technology
- Harmonization, Interoperability, Certification

... toward higher Levels of Assurance in underlying security systems.
• OIX is an Internet-scale solution to the problem of how identity credentials can be trusted online.
Looking at it in context:

How can the identity service provider and relying party trust each other?

Trust Frameworks 101: An Introduction
Open Identity Trust Framework

Looks like this.
**Defined:**

- **User/Consumer** - person or entity who is identifying themselves as a valid user of the system.
- **Identity Provider** - The entity that provides a representation of a user of some system.
  - i.e. Google, PayPal, Facebook
- **Relying Party**: An entity that depends on the assertions of an identity provider when making decisions about users.
  - i.e. Banks, Airlines, YouTube, eBay, Amazon

**Note:** The roles are not necessarily constant and entities may change roles or assume multiple roles depending on the nature of transaction.

**Trust Frameworks 101: An Introduction**
What they want:

• **Consumers** want:
  – Privacy & Protection of their personal data
  – Control of and benefit from the use of their personal data
  – Comfort level with Relying Party based on previous experiences
The US ICAM Trust Framework

US GSA

The Open Identity Exchange (OIX)

Assessors (Kantara)

user

Private-sector identity providers

US government websites

AOL
Google
PayPal
Yahoo!
As a liaison to the ARB, the IAWG owns and publishes the IAF which the ARB applies in its assessments.

The ARB reports its findings and assessments to the Kantara Board of Trustees which produces the Trust Status List.
Why Certify against the Identity Assurance Framework?

A core value of the IAF is the harmonization of existing and evolving identity assurance and trust frameworks — allowing for a single certification to be leveraged across various networks or jurisdictions.
What are the Real Benefits?

**Cost Savings**
- By Certifying against the IAF, an organization proves they immediately satisfy a substantial set of the criteria required by other federated networks.
- As Federated networks adopt IAF cost savings will be greater for organizations certified against IAF.
- Federation Operators may reduce their cost in defining and maintaining Identity Assurance policies and practices, thus reducing cost for constituents as well.

**Business Agility**
- An organization is able to join other IAF networks faster and more efficiently.
- The ability to inter-federate is an added value to each IAF certified service and their respective subscribers.

**A Higher Standard**
- The IAF is a best of breed cross-industry standard that reflects the best known practices from a substantial cross-section of industry and government. It benefits from a large and deep pool of contributors not available in any single federated network.
- Over time IAF will cross-pollenate other networks providing a consistently higher standard for Identity Assurance.
Illustrative Examples:

- US ICAM
- TRUST FRAMEWORK PROVIDER REQ’S
- BIO-PHARMACEUTICAL FEDERATION
- CORE CSP REQUIREMENTS
- FINANCIAL SERVICES NETWORK
- CORE REQUIREMENT SET
- HIGHER EDUCATION FEDERATION
- CORE REQUIREMENT SET
- Identity Assurance Framework SAC for AL(n) – {n:1-4}

IAF ADOPTION

IAF PROFILES
Kantara and OIX Drive Adoption

Open Identity Exchange

“Open Market Model”
Technology-agnostic, internet utility for identity federation meta-data
Technology Platform for:
- global certification listings
- trans-federation operational meta-data
- automated attribute exchanges

Developing legal structures for Levels of Assurance
Development of the OIX Trust Wiki "model" term sheets/contracts for Trust Framework actors and services
Adopting FIWG technical tools for automated certification listings

Identity Assurance WG (IAWG) manages IAF and enables IAF Profile development; develops Federal Operator Guidelines
Federation Interoperability WG (FIWG) develops technical tools enabling federations to communicate certification meta-data
Privacy and Public Policy WG (P3WG) supports development of Levels of Protection

Kantara Initiative

Accredits Assessors and Certifies IdPs against Identity Assurance Framework Policy
US Federal ICAM LoA 1,2,3

Open Identity Exchange

OIX Work Groups
Get Involved:
Join the Kantara Initiative Community

Website:
http://kantarainitiative.org

Community Mail List:
http://kantarainitiative.org/listinfo/community

Identity Assurance Accreditation and Certification Program:
http://kantarainitiative.org/confluence/display/Identity+Assurance+Certification

Membership Documents:
http://kantarainitiative.org/wordpress/membership/

Connect with Executive Director:
joni@ieee-isto.org