New Tools & Rules for Identity Management
A zero trust environment
A Collapse of Trust

The collapse of the US-EU Safe Harbor: Solving the new privacy Rubik’s Cube
Reliable Experience

+  

Repeatable Experience

TRUST
Tools + Rules = Trust
An Example of Trust
\( t^2 = \text{volume} + \text{velocity} + \text{variety} \)
Old World

- Laws
- Regulations
- Standards
- Bi-lateral Contracts
- 3rd party Certifications
- Audits
- Ratings
- Central Databases

New World

- Open Standards
- TOS Agreements
- Self-Certifications
- Trustmarks
- Trust Frameworks
- Reputation Systems
- Registries
- Distributed Ledgers
- Public-Private Partnerships
New Tools: Open Standards
New Tools: Open Standards

OASIS Electronic Identity Credential Trust Elevation Methods (Trust Elevation) TC
Technical Conformance Test Results

+ Legal Self-Attestation

SELF-CERTIFICATION
EU-US Privacy Shield
New Rules: Self-Certification

- OpenID
- ClassLink
- PayPal
- Deutsche Telekom
- Peercraft
- FORGEROCK
- Ping Identity
- Google
- PRIVO
- Microsoft
- salesforce
- NEC
- NRI
- ViewDS
How Can We Trust Self-Certification?

○ Peer review by competitors

○ Crowd source fact checking by global network of developers

○ Reputation/brand risk
Business Requirements

Legal Terms & Conditions

Technical Standards

TRUST FRAMEWORK
Minors Trust Framework
Mydex Trust Framework
OpenID Certification Program
Respect Trust Framework
SAFE-BioPharma PKI Bridge CA
SAFE-BioPharma FICAM Trust Framework
SAFE-BioPharma Global Trust Framework
SecureKey Concierge
Digidentity Dutch Scheme Rules
NATE NBB4C Trust Bundles
OTA Internet of Things Trust Framework
t-Scheme GOV.UK Verify
New Tools: Registries
New Tools: Registries
### New Rules: Registries

- **Global**
- **Technology Agnostic**
- **General Purpose**
- **Multi-Tenant**

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<tr>
<th>Platform</th>
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*Anyone, anywhere, at anytime can see everything - at no cost.*
The Third Wave
An Entrepreneur's Vision of the Future

Steve Case

“One of the nation's greatest entrepreneurs.” —CNBC

Foreword by Walter Isaacson, Author of Steve Jobs

New Rules: Public Private Partnerships
Trust is necessary in a very wide field of transactions
  - Global solutions require global interoperability
Many trust-critical processes cross boundaries
  - Global interoperability requires tools and rules
Trust must be anchored somehow
  - A certificate or (public) key - for example to sign a trust list
Securing a global, multi-domain trust infrastructure is a major issue
  - Biggest point of attack
LIGHTTest tests a single anchor: a single global trust root
  - Using the Domain Name System for a globally deployed system with a single trust root
LIGHTest Project: OIX’s Role
Public-Private Partnership: IATA/IAG Pilots
The IATA/IAG Pilots

Book → Check-in → Drop bag → Security → Lounge → Gate

Immigration → Customs → Exit
Testing Identity Rules and Tools: IATA/IAG Pilots

A friction-free process enabling an individual to assert their identity, online or in person, to the required level, keeps personal data private and enables improvements to operational efficiency and security.
Identity Law and Policy Workshops

INTERNET IDENTITY

International Law

Legislation

Identity Management

Policy

Rules

Technical Standards
Identity Rules and Tools: Global Interoperability
Thank you

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