Trusted Transactions in Real Estate:
The Value of Standards & Certification

Identity is a "Wicked Problem"

There is no universally accepted definition of the problem

There is no stopping rule

Solutions are not true or false, but bad-or-good

There is no immediate test of a solution

Wicked problems do not have an enumerable set of solutions

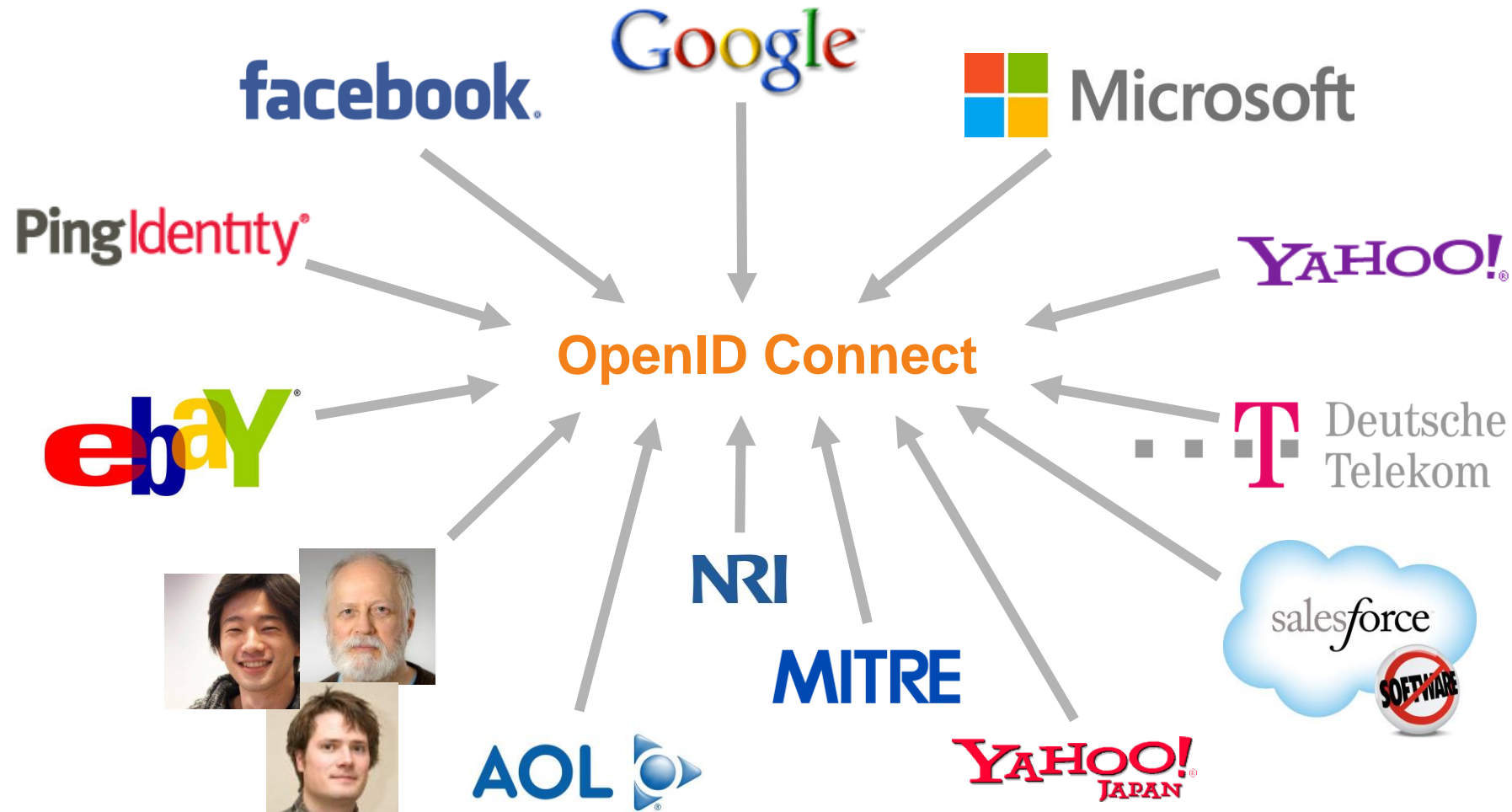Every wicked problem can be considered to be a symptom of another problem

The Value of Open Standards

Open Standards such as HTTP, SMTP, OAuth and OpenID Connect enable:

- Interoperability

- Extensibility

- Scalability

- User-Control of Privacy and Security Settings

Open Standards Are Community Driven

OpenID Connect: Scalable & Extensible

Financial API (FAPI)

Health Relationship Trust (HEART)

Intl. Govt. Assurance Profile (iGov)

Mobile Operator (MODRNA)

OpenID Connect

A standard is only as good as its adoption. Adoption is only as good as its trustworthiness. Trustworthiness is a only as good as its proof.

Self-Certification

Self Certification Drives Trust

Technical:

- Posted test results describe how things will "just work"
- No custom code required
- Enables reliable and repeatable interoperability

Business:

- Enhances reputation of an organization and its implementation
- Lowers costs, speeds integration & enables innovation
- Differentiates certified implementations from others

The Role of Self-Certification

- Independent expert 3rd party performs technical testing for a fee

- Often complex, costly, time-consuming and legally limited

- Technical test results often unavailable for independent verification

- Simpler, quicker, less expensive, extensible and scalable

- Results are trustworthy:

  - ✓ Testing results available for peer review and public scrutiny at any time, by anyone at no cost.

  - ✓ Authorized representative puts organization's brand at risk via a public attestation of conformance

Case Study: OpenID Certification

Self-Certifying Organizations

- Provides public legal assurance to technical conformance
- Right to use/display OpenID Certification mark
- Right to use/display OIXnet registration mark

Developers

- Open Source Testing Suite enables in-house quality assurance/control
- Certification & registration support federation & discovery

SPs, IDPs & RPs

- Mitigates development, deployment & integration risks
- Qualifies the expertise of certified registrants

Stakeholders

- Transparent test results & legal attestations drive trust
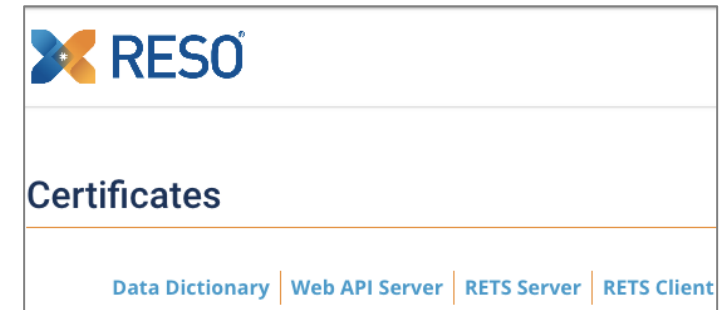- Enables greater comparability of products & deployments

RESO: A Similar Journey

Community driven standards

Certification

Published specifications

Certifications are listed

How OpenID Fits Into RESO

3 Primary Components of RESO Web API Certification:

OpenID®

Open Data Protocol

Miscellaneous Functionality

How the Process Works

RESO
REAL ESTATE STANDARDS ORGANIZATION

DOWNLOAD SPEC & ADOPT SPEC

APPLY FOR CERTIFICATION

OBTAIN OPENID CONNECT CERTIFICATION AT OPENID FOUNDATION — OpenID

VALIDATION OF ODATA CONFORMANCE AND ADOPTION OF RESO SPEC BY RESO

RESO CERTIFIED

OpenID Connect Provider Certification

OpenID CERTIFIED

This is a tool for testing the compliance of an OpenID Connect Provider with the OpenID Connect specifications.

≡ List	If you already have configured a test instance, but do not remember where you can find it.
⌯ New	If you have not configured a test instance or you want to create a new one different from the ones you already have.

(C) 2017 - OpenID Foundation   E-mail: certification@oidf.org   Issues: Github   Version: 2.0.6

RESO utilizes the OpenID Certification Program test platform to complete the OpenID requirements of RESO certification

What Next for OpenID & RESO

✓Continued collaboration to ensure certification processes are aligned

✓RESO continues to be a valued testing partner as the OpenID Certification Program test platform evolves

✓Ongoing cross-promotion of our joint efforts highlighting increased trusted transactions for RESO members and the real estate industry overall

OpenID Foundation

The OpenID Foundation is a non-profit international standard organization of individuals and companies committed to enabling, promoting, and protecting OpenID technologies. Since 2007, the foundation serves as a public trust in representing the open community of developers, vendors, and users.

Expertise
- Authors of OAuth, JWT, JWS, OpenID Connect, trust frameworks, and certification methods and marks.

Open
- Intellectual Property Rights regime ensures royalty free, mutual non-assertion covenant of use by everyone.

Ecosystem
- Industry sustaining sponsorship by Google, KDDI, Microsoft, NRI, Oracle, PayPal, PingIdentity, Symantec, Verizon and more…

OIX Leadership

OpenID Foundation Leadership

BARCLAYS | CA technologies | Cabinet Office

Experian | Google | HSBC

IAG INTERNATIONAL AIRLINES GROUP | LexisNexis RISK SOLUTIONS | Microsoft

Symantec | TIMPSON Great Service by Great People

Google | KDDI | Microsoft

NRI | ORACLE | PayPal

PingIdentity | Symantec | verizon

Join and help shape the markets you intend to lead.

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