

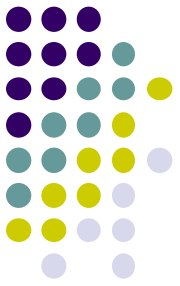
Kantara Identity Assurance Framework

Catalyzing an Identity Services Marketplace

Matthew Gardiner
President, Kantara Initiative
Director, CA Technologies

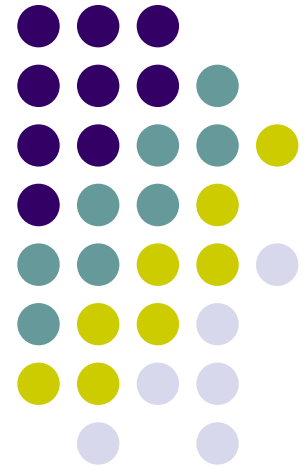


Agenda



- What is the Kantara Initiative
- Kantara Identity Assurance Framework
- Kantara Identity Assurance Certification Program
- Actions you should take

What is the Kantara Initiative?



What is the Kantara Initiative

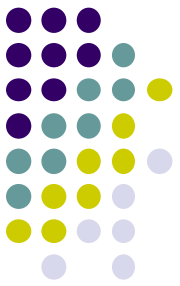


Trustees



Members

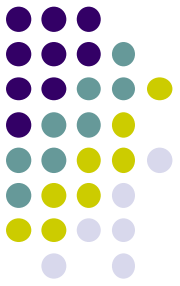




What is the Kantara Initiative

- Open community working on areas of common interest around identity
 - Interoperability, harmonization, certification, policy, legal & liability, privacy
 - Don't need to be a member to participate
- ~20 working groups/discussion groups
- 2 programs
 - Assurance & Interoperability
- Small staff to help enable volunteers

Japan Work Group



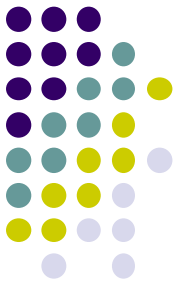
- **Activities**

- Generate best practice guidelines and suggestions for IdM standards to thrive in the Japanese market
- Translation of KI's press releases and deliverables and other open IdM standards.
- Planning and execution of KI events in Japan
 - KI Japan WG has held 4 seminars including today

- **Co-chairs**

- Toshihiro Suzuki, Oracle
- Yasuhisa Sakamoto, NTT

Japan Work Group (Cont'd)



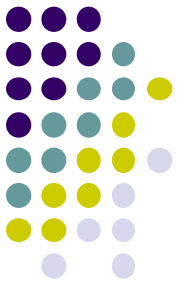
- Liaison with OpenID Foundation Japan
 - OIDF-J and KI Japan WG have a good relationship since Liberty Alliance Japan SIG



&



Privacy & Public Policy WG



- Focused on improved privacy outcomes for users, data custodians, & others
- Define principles & best practices
- Liaise with other Kantara groups
 - Example - Identity Assurance
- Products
 - Privacy Guidance Document, Privacy Management Framework, Privacy Assurance Framework, F2F Summit Reports

Concordia Discussion Group

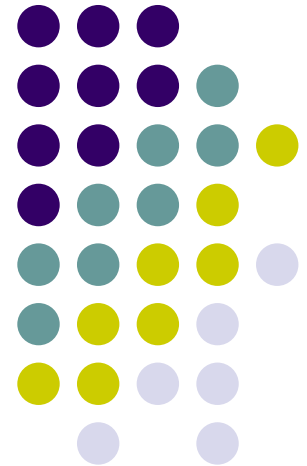


- Activities
 - Evolution of Project Concordia
 - Umbrella initiative to drive harmonization and interoperability of identity technology
- Deliverable
 - Draft version of “Deployment Guide for Proxying Assurance between OpenID and SAML” *¹ is now open to all
 - Based on NTT & NRI’s activity which is honored as Kantara Initiative IDDY Award 2009
- Chair
 - Paul Madsen, NTT

*¹ <http://kantarainitiative.org/confluence/download/attachments/41025874/assurance-deploy-guide-04.html>

Kantara Identity Assurance Framework Catalyzing a New Marketplace

The Need



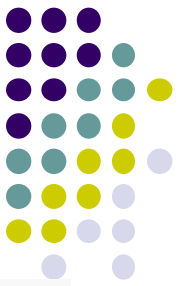
Web Identity Remains Highly Siloed



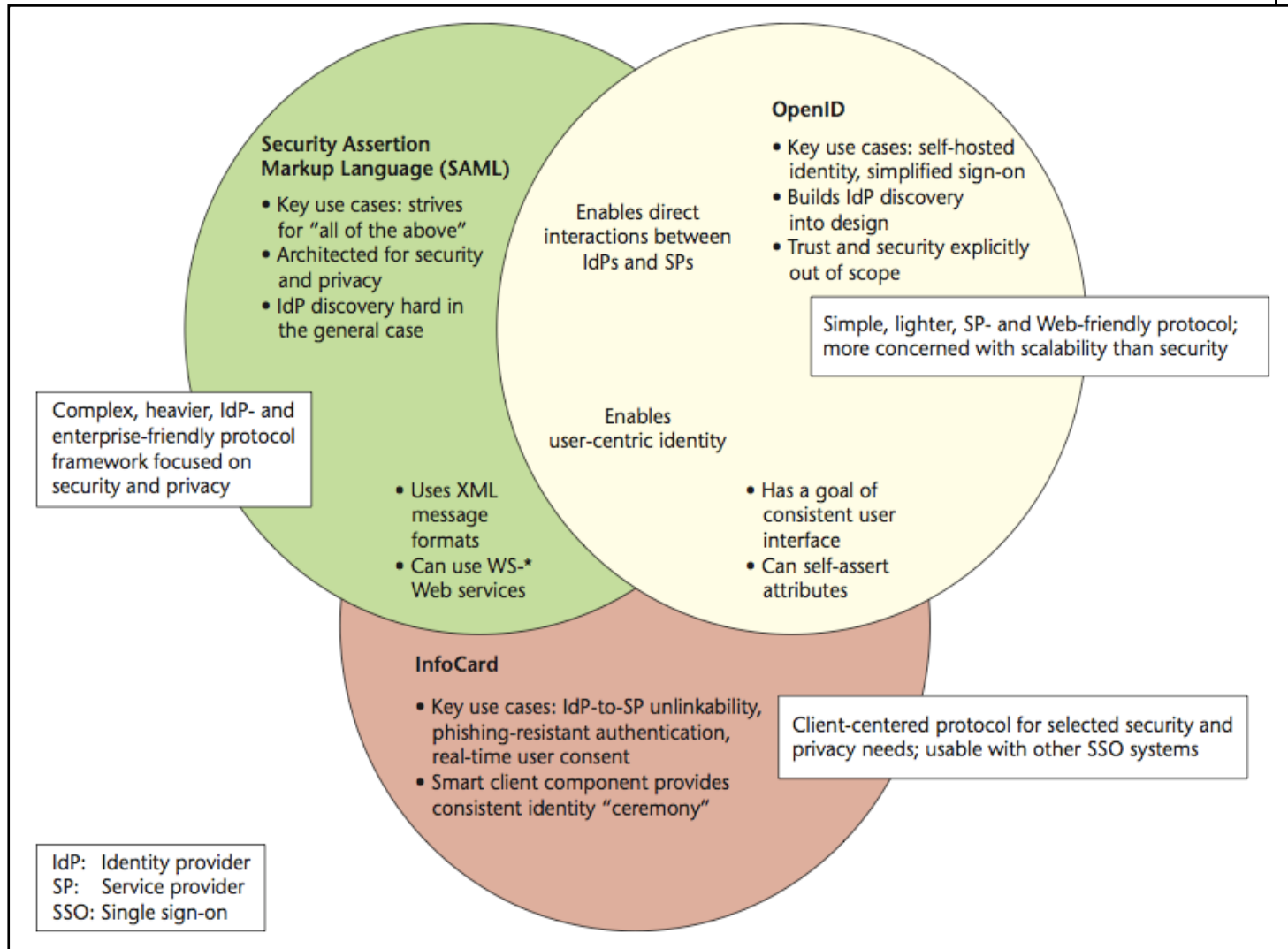
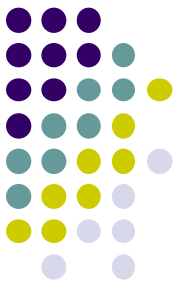
The collage consists of several overlapping browser windows:

- Amazon.com:** Shows the top navigation bar with links like "WISH LIST" and "YOUR ACCOUNT" circled in red.
- AOL Anywhere:** Features a "AOL Members Sign On" form with fields for "Username" and "Password" circled in red.
- Bank of America Online Banking:** Displays a "Sign in" form with a "Log in" button circled in red.
- Money magazine:** Shows a "Try An Issue FREE" offer with a "Send My Free Trial Issue" button circled in red.
- United Mileage Plus:** Shows a "Update profile" form with a "Log in" button circled in red.
- Joe's Fish Market.Com:** Shows a registration form with fields for "Name", "Address", "City", "State/Province", and "Zip/Postal code" circled in red.
- Hertz:** Shows a "Welcome to the Hertz #1 Club Gold Reservation area" with a "Personal Information" form and a "Pickup Information" form, both with red circles around the "Log in" button and form fields.
- Other windows:** Include Barclays iBank, AOL Members Sign On (another instance), and a Sony DVD page.

Too Much Security Burden on Users

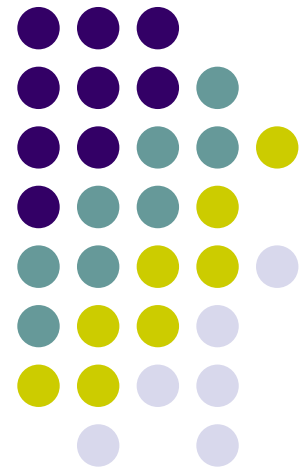


We have the Technology Not the Trust & Business Model

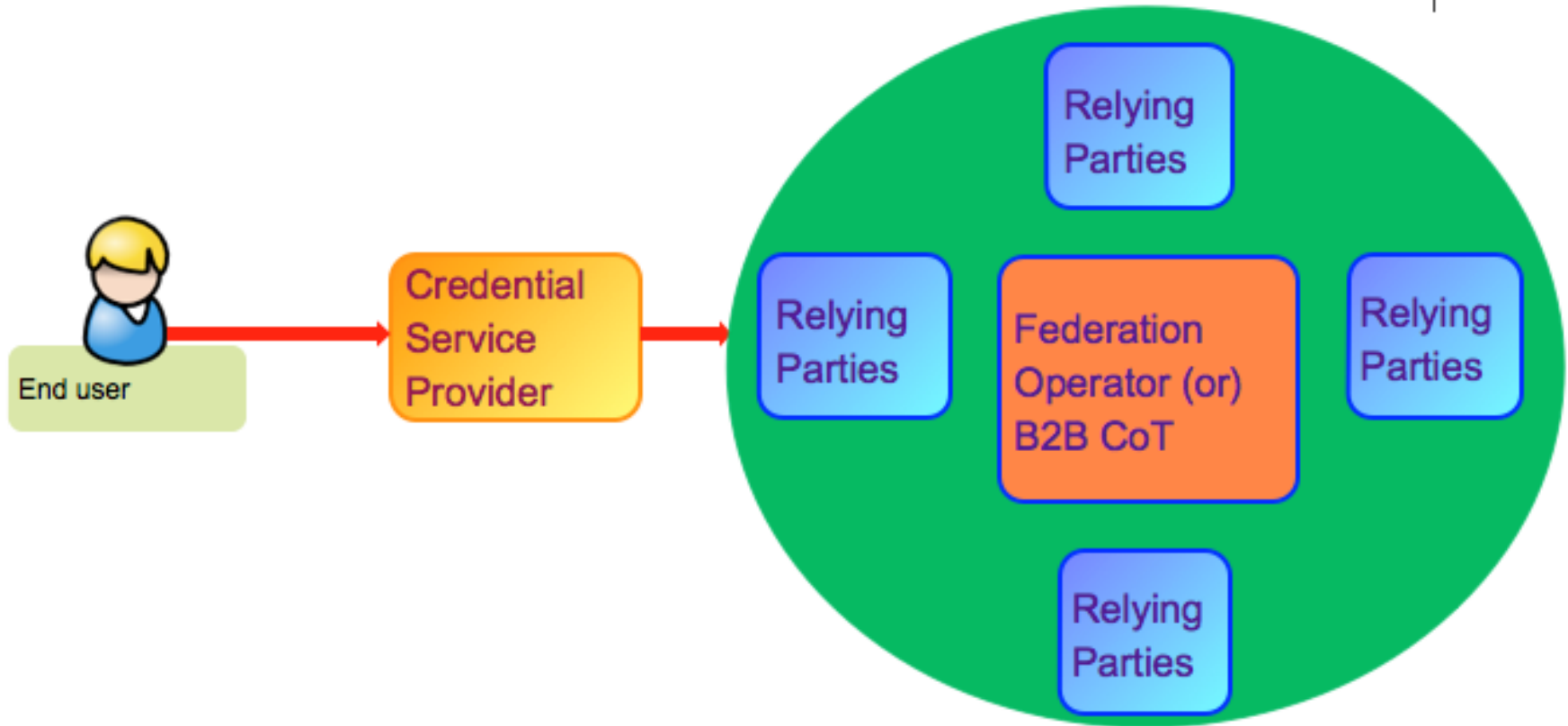


Kantara Initiative Identity Assurance Framework

Freely Available to the Public...



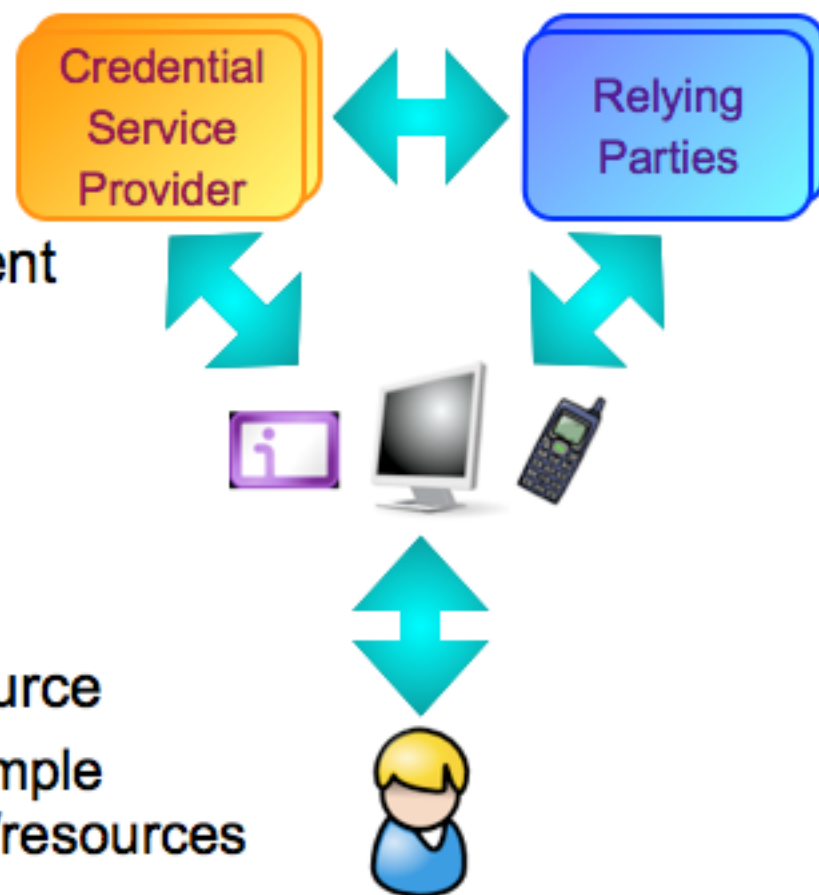
Identity Ecosystem: All About Trust



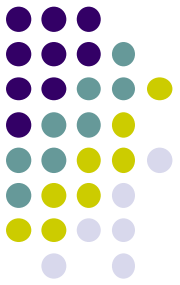


Federated Identity requires Technical & Policy Interoperability

- Credential Service Provider (CSP)
 - Identity Proofing
 - Credential Lifecycle Management
 - Operational Criteria for Trust
- Relying Party (RP)
 - Assesses Risk of Application
 - Complies with Best Practices
 - Provisions the Service or Resource
- User gets great experience: safe, simple access from any device to services/resources



Certification aides technical interoperability



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Interoperability Certification Program

Inventing new technologies and standards without sustained vendor certification testing is a recipe for slow and painful adoption of identity standards. Certification of interoperability of vendor implementations is critical to easing deployments in the real world.

Kantara Initiative has a goal of working collaboratively to solve harmonization and interoperability challenges among identity-enabled enterprise, Web 2.0 and Web-based applications and services. Our agile testing and certification program will help effectively accelerate adoption of new technologies and standards, helping deployers to deploy with confidence, success and minimal time and cost, and vendors to incorporate standards effectively and interoperability into their offerings.

How is the Interoperability Program managed?

- The Interoperability Review Board, a Board of Trustee sub-committee provides Interoperability Program oversight.

Where does the supporting technical work happen?

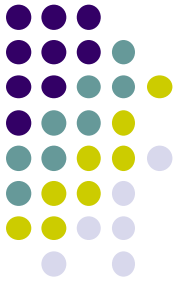
- The Interoperability Work Group supports the Interoperability Program with technical input.

Where can I find the full details about the Interoperability Program?

- In the [Interoperability Certification Center](#).

How can I apply to test my implementation?

Kantara IAF Enables Policy Interoperability



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4 **Identity Assurance Framework:
Service Assessment Criteria**

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9 **Version:** 2.0

10 **Date:** 2010-04-24

11 **Editor:** Richard G. Wilsher
Zynga LLC

12

13 **Contributors:**
The full list of contributors can be referenced here:
14 <http://kantarainitiative.org/conf/ance/display/assuranceservice/IAF+2.0+Contributors>

15

16 **Abstract**
17 The Kantara Initiative Identity Assurance Work Group (IAIWG) was formed to foster
18 adoption of identity trust services. The primary deliverable of the IAIWG is the Identity
19 Assurance Framework (IAF), which is comprised of many different documents that detail
20 the levels of assurance and the certification program that bring the Framework to the
21 marketplace. The IAF is comprised of a set of documents that includes an Overview
22 publication, the IAF [Glossary](#), a summary [Assurance Levels](#) document, and an [Assurance](#)
23 [Assessment Scheme \(AAS\)](#), which encompasses the associated assessment and
24 certification program, as well as several subordinate documents, among them the [Service](#)
25 [Assessment Criteria \(SAC\)](#), which establishes baseline criteria for general organizational
26 conformity, identity proofing services, credential strength, and credential management
27 services against which all CSPs will be evaluated. The present document describes the
28 Service Assessment Criteria component of the IAF, including setting out the Assurance
29 Levels.

30

31 **Filename:** Kantara IAF-1400-Service Assessment Criteria.doc

Kantara Initiative Recommendation
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4 **Identity Assurance Framework:
Assessor Qualifications & Requirements**

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22 Framework to the marketplace, among them the [Assurance Assessment Scheme \(AAS\)](#),
23 which encompasses the associated assessment and certification program, as well as the
24 [Service Assessment Criteria \(SAC\)](#), which establishes baseline criteria for general
25 organizational conformity, identity proofing services, credential strength, and credential
26 management services against which all CSPs will be evaluated. The present document
27 provides an overview of the requirements which applicant assessors must fulfill in order
28 to become Kantara-Accredited Assessors.

29 **Filename:** Kantara IAF-1600-Assessor Qualifications and Requirements.doc

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4 **Identity Assurance Framework:
Assurance Levels**

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8 **Version:** 2.0

9 **Date:** 2010-04-24

10 **Editor:** Britta Glade

11

12 **Contributors:**
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26 conformity, identity proofing services, credential strength, and credential management
27 services against which all CSPs will be evaluated. This document overviews the four
28 Levels of Assurance, on which the IAF is based, as posted by the U.S. Federal
29 Government and described in OMB M-04-04 [M-04-04] and NIST Special Publication
30 800-63 [NIST800-63]. These are further described in this document.

31

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IAF Assurance Levels Illustrated



Assurance Level	Example	Assessment Criteria – Organization	Assessment Criteria – Identity Proofing	Assessment Criteria – Credential Mgmt
AL 1	Registration to a news website	Minimal Organizational criteria	Minimal criteria - Self assertion	PIN and Password
AL 2	Change of address of record by beneficiary	Moderate organizational criteria	Moderate criteria - Attestation of Govt. ID	Single factor; Prove control of token through authentication protocol
AL 3	Access to an online brokerage account	Stringent organizational criteria	Stringent criteria – stronger attestation and verification of records	Multi-factor auth; Cryptographic protocol; "soft", "hard", or "OTP" tokens
AL 4	Dispensation of a controlled drug or \$1mm bank wire	Stringent organizational criteria	More stringent criteria – stronger attestation and verification	Multi-factor auth w/hard tokens only; crypto protocol w/keys bound to auth process

Note: Assurance level criteria as posited by the OMB M-04-04 & NIST SP 800-63

Public NIH Web Site



NCBI Home PubMed GenBank BLAST Sign In | My NCBI

My NCBI

A division of the National Library of Medicine at the National Institutes of Health

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or

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[UKPMC Funders Group grantees](#)

Or choose from:

Case Western Reserve University
Colorado State University
Columbia University
Cornell University

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<http://www.ncbi.nlm.nih.gov/sites/myncbi/>

You are then taken to Google Using OpenID



Google accounts

Nihlogin.nih.gov is asking for some information from your Google Account. To see and approve the request, sign in. [Learn more](#)

Sign in with your
Google Account

Email:
ex: pat@example.com

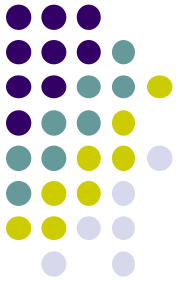
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Google does not review or endorse websites that allow you to sign in with a Google Account, and takes no responsibility for those sites. If you do not trust the website that appears on the Sign in Request page, you should not confirm that you want to use your Google Account to sign in.

Why use your Google Account to sign into third-party sites?

Because it's hard to keep up with so many usernames and passwords!

What information does Google share with these websites?

Google sends a random code to third-party sites to enable you to sign in to these sites with your Google Account. This code doesn't reveal any personal information. Also, the security of your Google Account will not be compromised by signing in to other sites with your account.

What other information does Google share?

When you sign in to a third-party site using your Google Account, a site may ask Google for the email address associated with your account, so that it can contact you. A site could also ask for access to any of the applications you use. For example, you can edit pictures

Recommended articles

[Editing Your Account: Language](#)

[Editing Your Account: Username](#)

[General: About profiles](#)

[Privacy Concerns: Sharing your data with other sites](#)

[Troubleshooting: 'Invalid email' error](#)

Help resources



[Can't sign in?](#)

Get help regaining access to your account



[Known issues](#)

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Watch videos on how to edit and manage your account

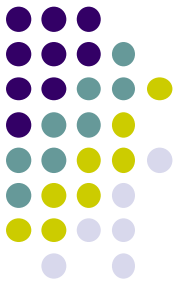


[Step-by-step problem solving](#)

A list of available resources to help you get your answer

Help with other Google products

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NCBI Home PubMed GenBank BLAST jmatthew.gardiner@gmail.com | Sign Out | My NCBI

My NCBI

A division of the National Library of Medicine
at the National Institutes of Health

Welcome to My NCBI, **jmatthew.gardiner@gmail.com**. ([I'm not jmatthew.gardiner@gmail.com](#))

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My Saved Data

You have:

- [0 Saved Searches](#)
- [0 Collections](#)
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- [Recent Activity](#)

Search Filters

You haven't set any filters. Why not [add some?](#)

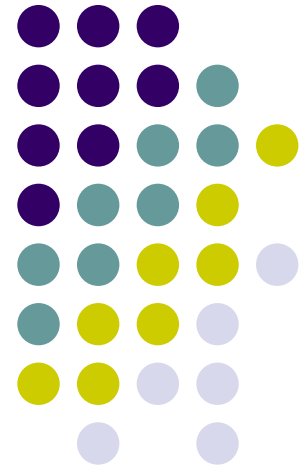
Preferences

You've set:

- [Common Preferences](#)
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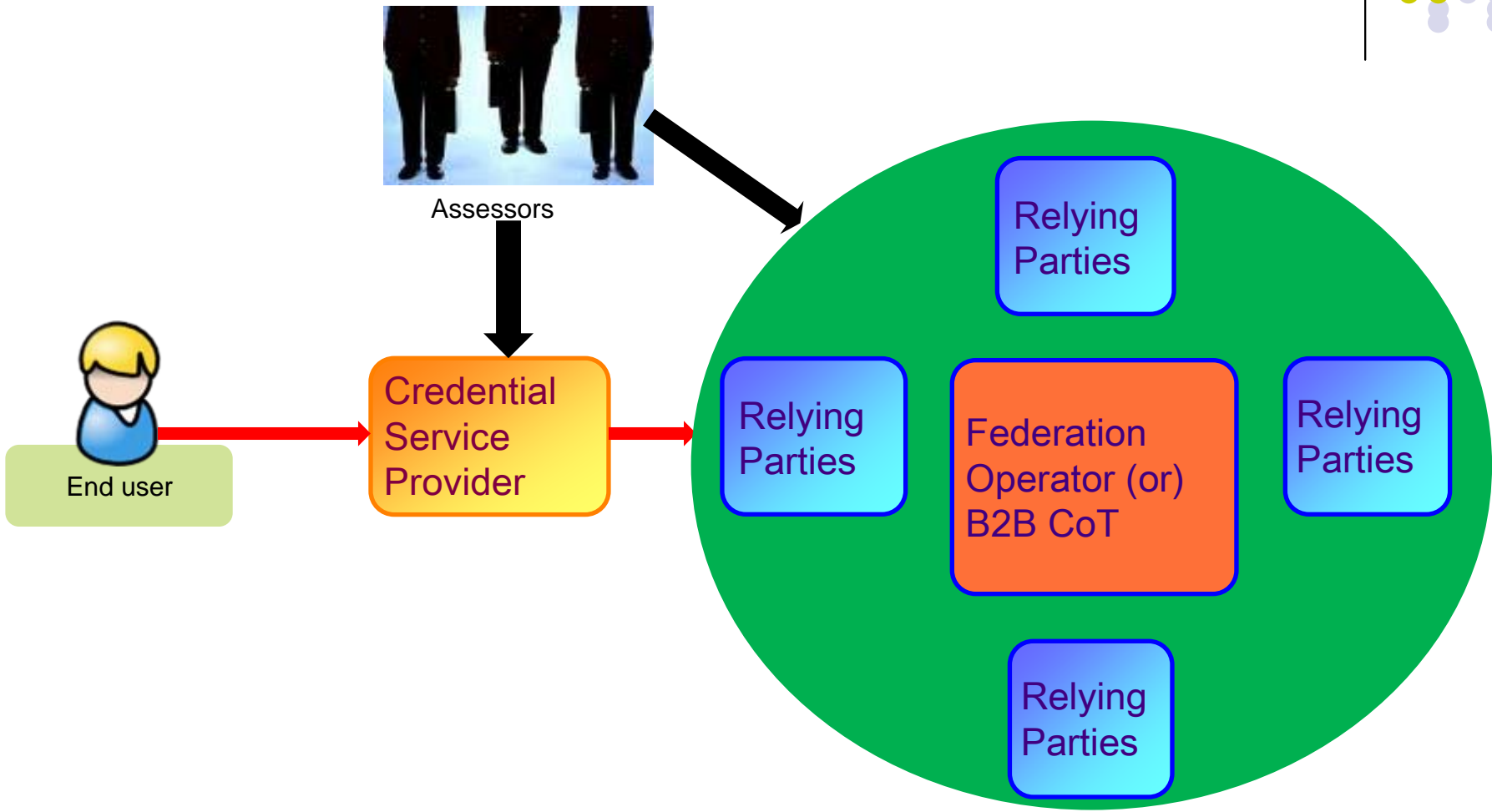
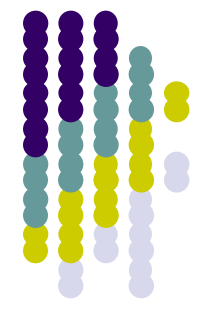
Kantara Initiative's Identity Assurance Certification Program

Catalyzing a Marketplace...

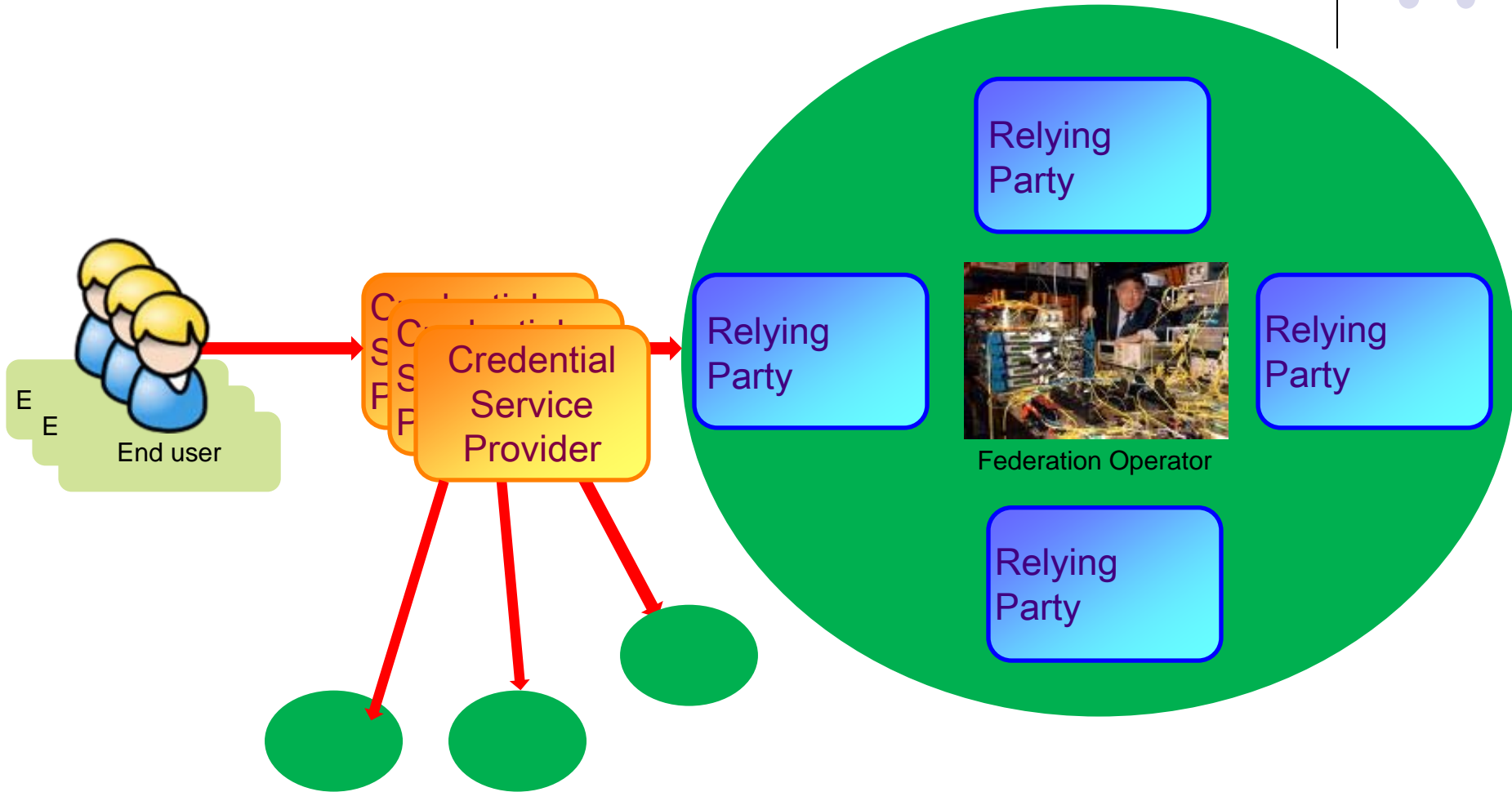
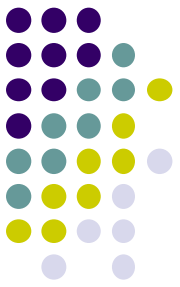


Identity Ecosystem

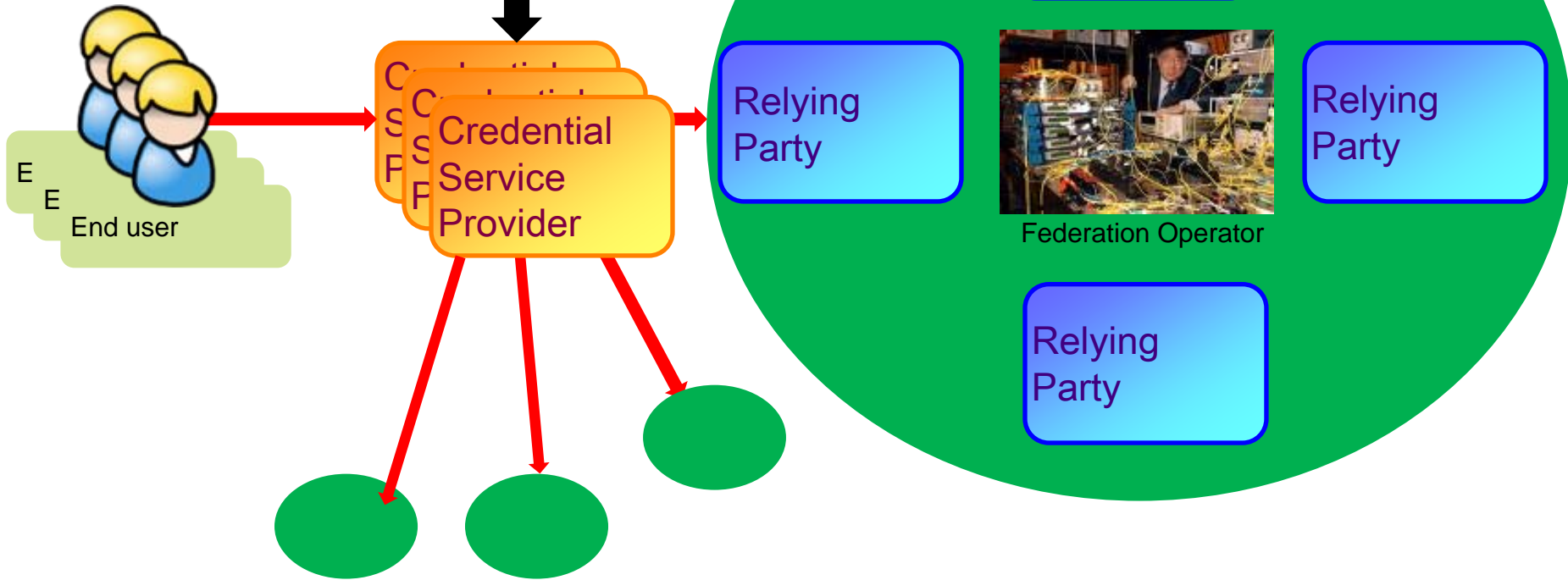
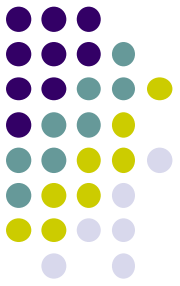
Making Trustworthiness Clear



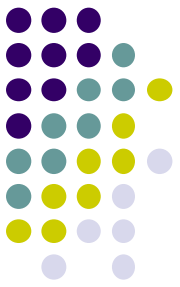
Catalyzing a Marketplace of Identity Services



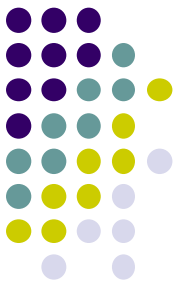
How to Scale This?



Recent collaboration with OIX



- OIX is a federation operator
- KI provides a forum to define federation policy & interoperability
- Collaboration
 - Use the Kantara IAF within the OIX program
 - Further development of Kantara IAF
 - Define & deploy a Certification Listing Service
 - Other areas



Actions you Should Take

- Spread the word & get active with the Kantara Initiative
- Auditors – Become an assessor
- CSP – Get assessed
- Federation operator/club – Adopt the framework
 - Governments are currently early adopters
- Technology provider – Get certified for interoperability

Questions

