My Journey

Dr. Michael B. Jones

Touchstones from my Identity Journey



Building the Internet's Missing Identity Layer



Kim Cameron

It's all about the people



Building relationships

Success requires seeing the big picture

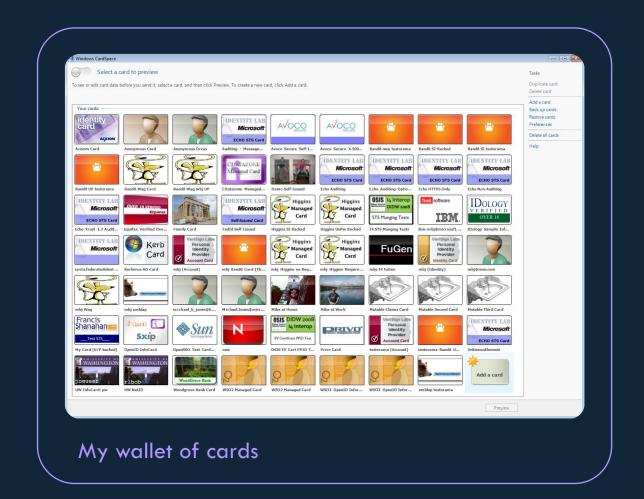


2005-2011

Information Cards

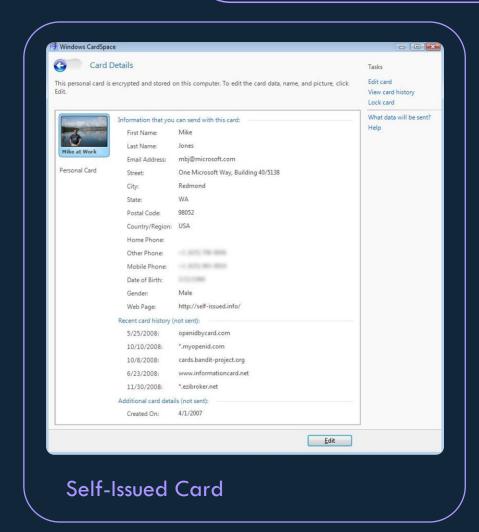


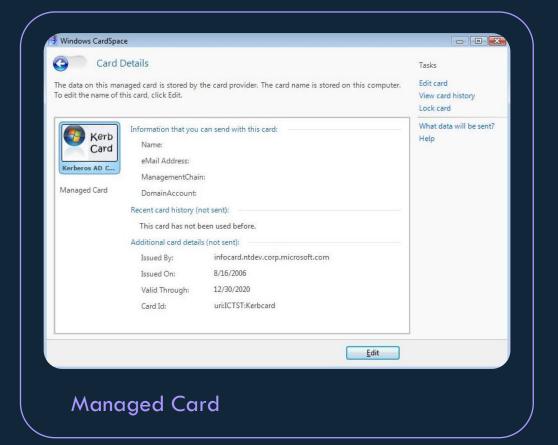




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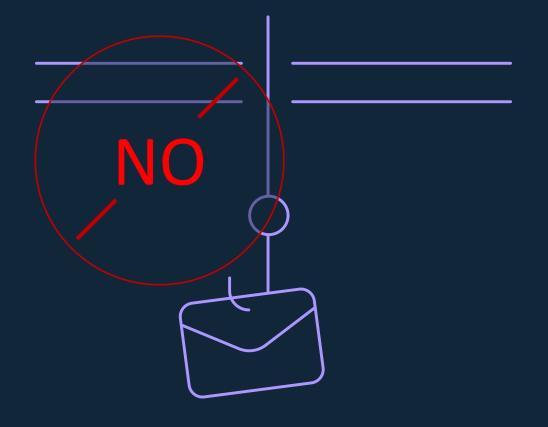
Actual Information Cards





Phishing-Resistant Authentication





Huge Industry Investment







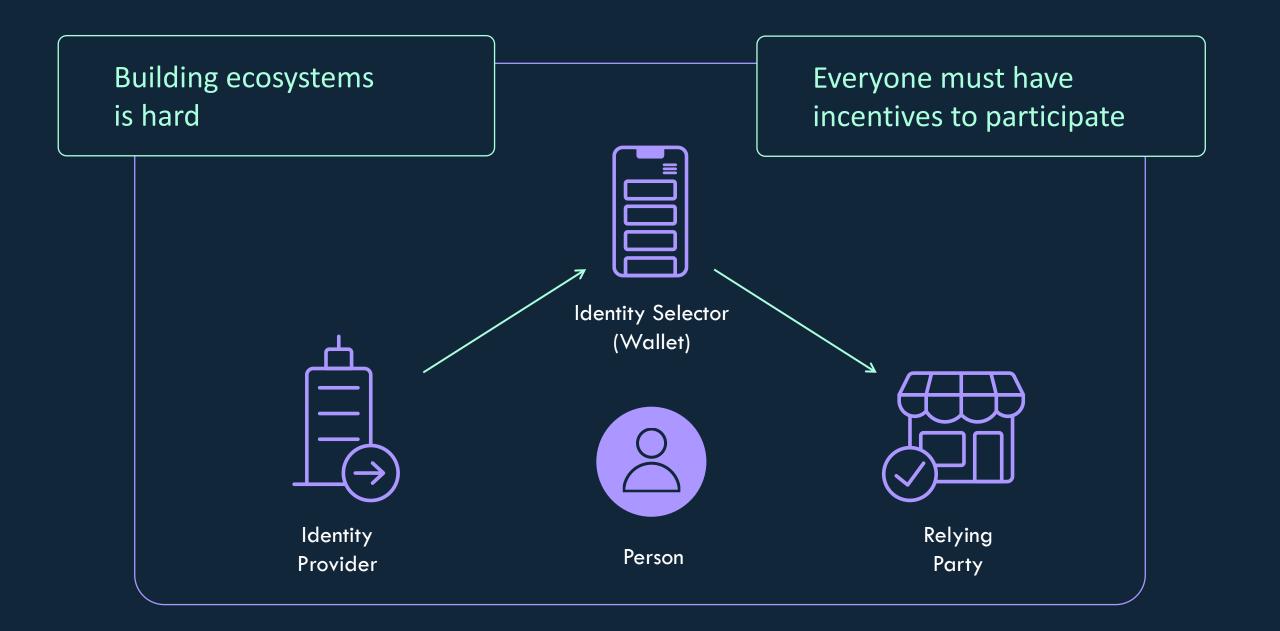
"Best New Standard"
EIC award 2009

8

Huge Personal Investment



Coral Information Card Logo in Hawaii

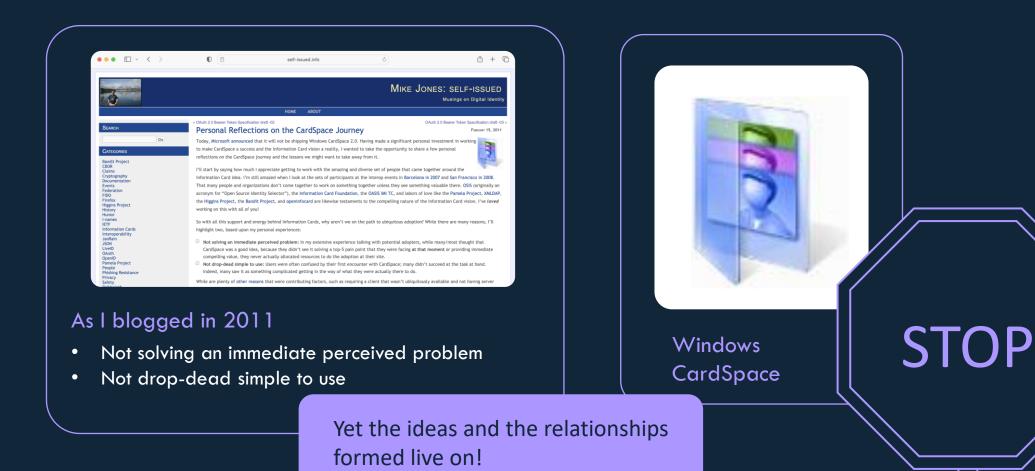


Usability is Everything



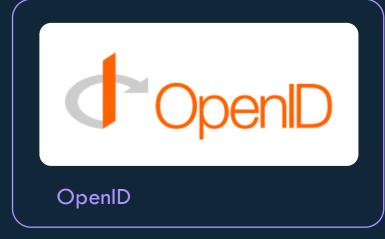


The End of Windows CardSpace



OpenID 2.0 and the Internet Identity Workshop (IIW)

OpenID 2.0 started at first IIW

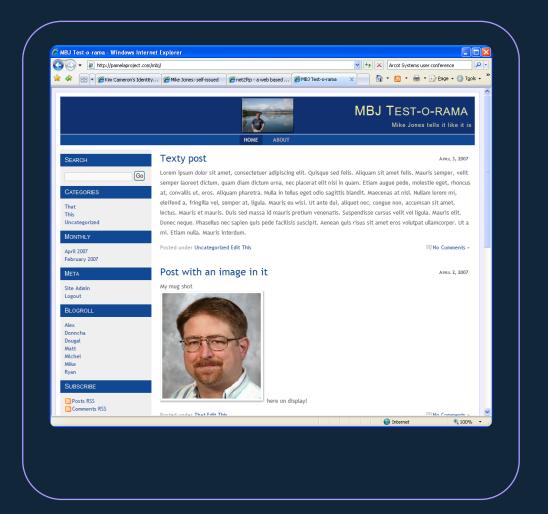




Identity by and for Bloggers

OpenID 2.0 identifiers were URLs like
https://self-issued.info/





OpenID Foundation

Protects IPR of its specifications so anyone can use them



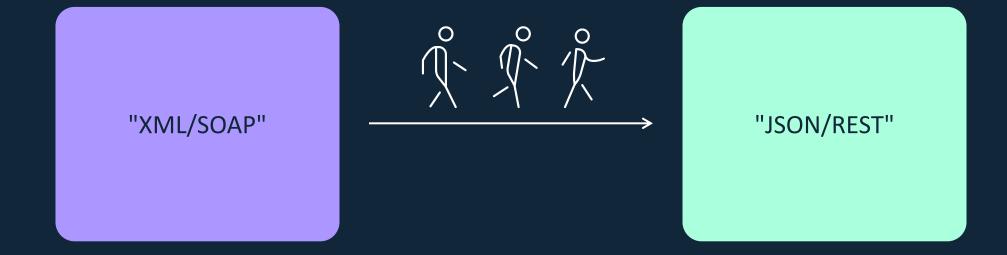


First ED
Bill Washburn



Some of the founders at IIW

Developers Voting with their Feet



2011-2014

OpenID Connect (and IIW again)



OpenID Connect Protocol



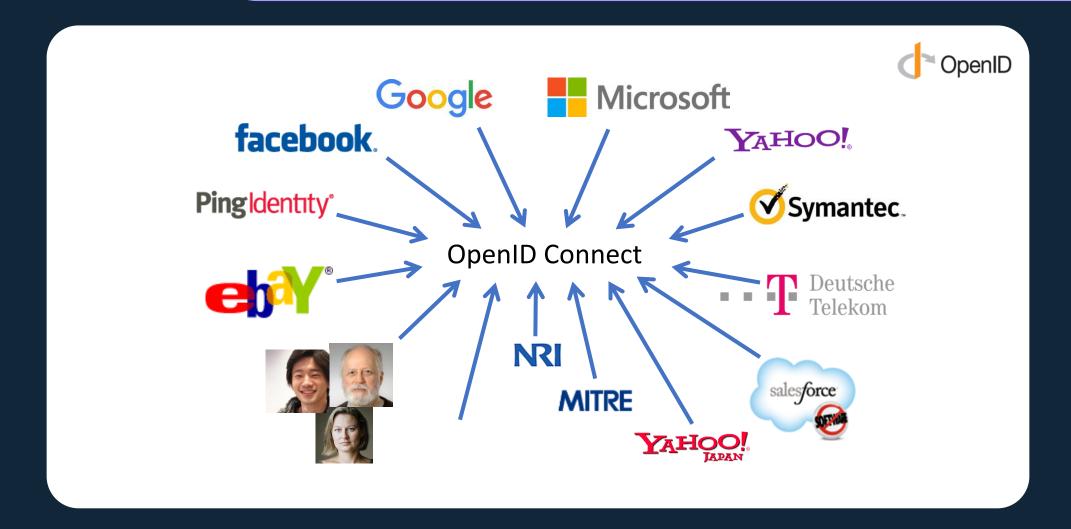
Best New Standard Award 2012



Design Decisions at IIW May 2011

2011-2014

Working Together



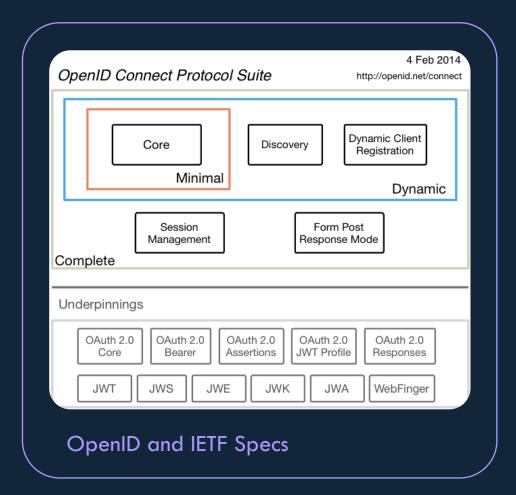
2010-present

Keeping Simple Things Simple



Nov Matake

Focused Specs Working Together As One



2010-present

OAuth 2.0



Best New Standard Award 2013







Chuck, Mike, and John

2010-2015

JSON Web Token (JWT) and JSON Object Signing and Encryption (JOSE)





Special Award: Best Innovation for Security

The Importance of Interop Testing (Building Ecosystems is Hard!)

Five Rounds of OpenID Connect Interop Testing

2011-2013



Interop Org

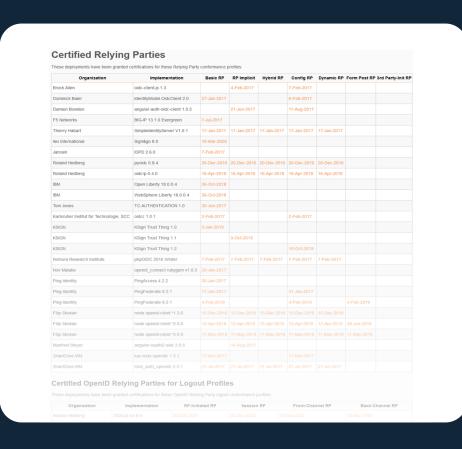
Open Source Identity Systems

identitycommons

2015-present

OpenID Certification





Certification Listings

Ecosystems Can Be Built!

OpenID Connect succeeded!



Phishing-Resistant Authentication with WebAuthn and FIDO2



Ecosystem Being Built



Passkey Logo





2019 EIC Award

OAuth: The working group that keeps on giving





2010-present

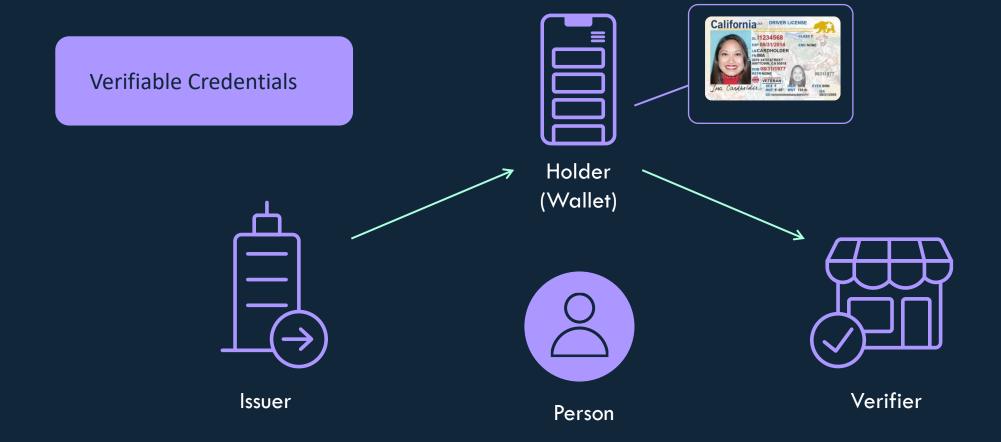


DPoP Vienna 2022



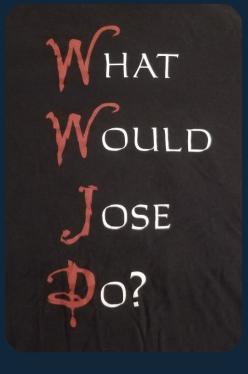
DPoP Stuttgart 2019

Issuer / Holder / Verifier Model



Selective Disclosure and Zero Knowledge Proofs (ZKPs)

Minimal Disclosure



CIS 2014



IETF 114 Philadelphia, July 2022

How do you know who to trust?

Deciding requires both identity and compliance





Touchstones



OAuth Security Workshop 2019



Touchstones from my Identity Journey

- O Solve real problems
- O Build things that get used
- Keep simple things simple
- Usability is everything
- It's all about the people

2005-present

Thank you for sharing this journey with me!



... and we're still on the road!



