RSA Conference 2016

San Francisco | February 29 – March 4 | Moscone Center



The Cutting Edge: Standards at work in Google's mobile focused future



Connect **to** Protect

Eric Sachs

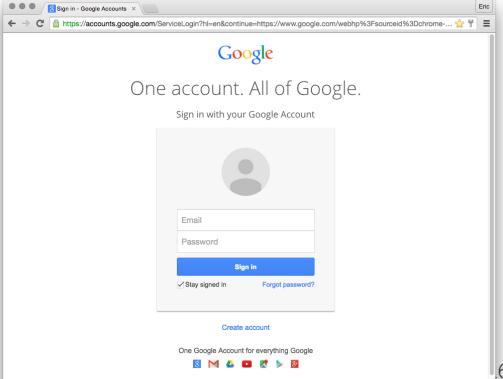
Director of Product Management Identity, Google

Pam Dingle

Senior Technical Architect Office of the CTO, Ping Identity

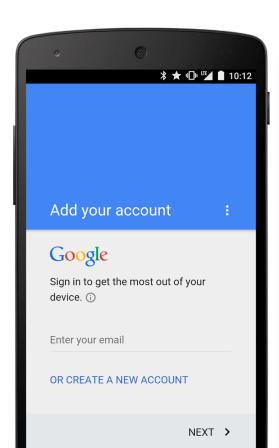


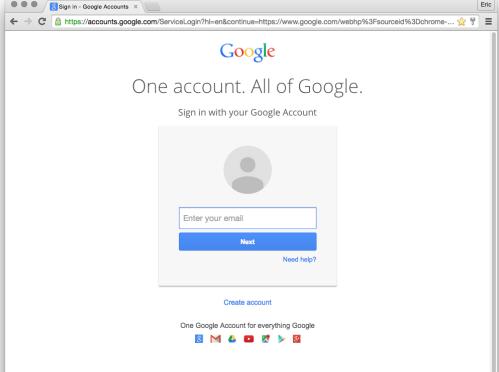










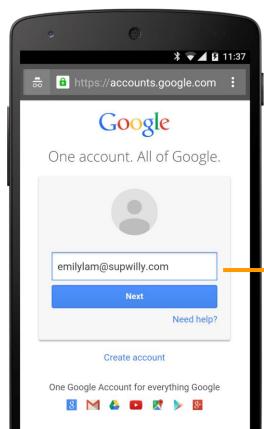


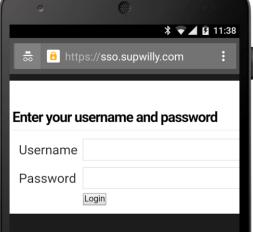


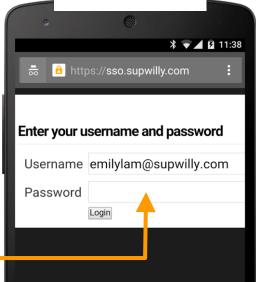






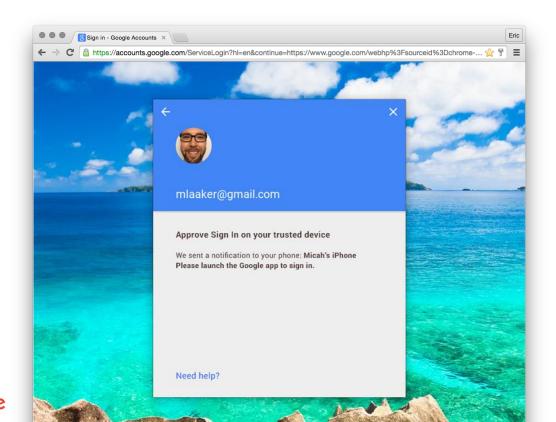


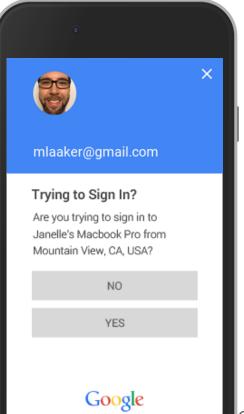






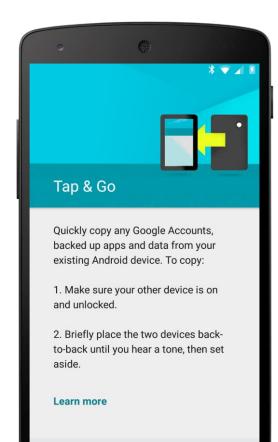


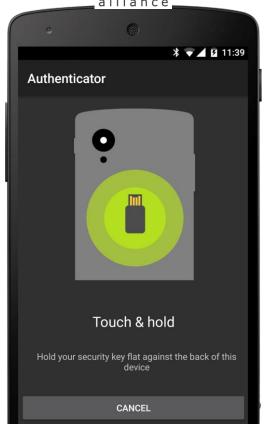










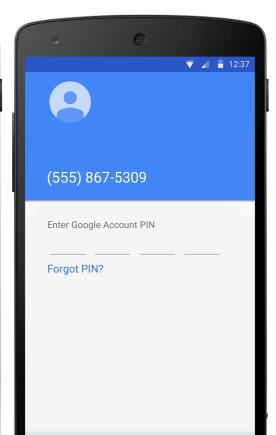




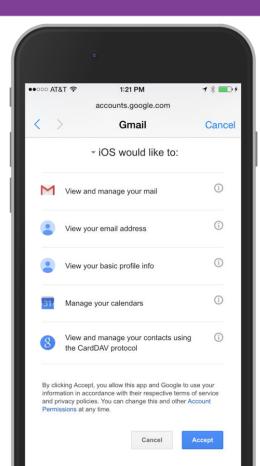


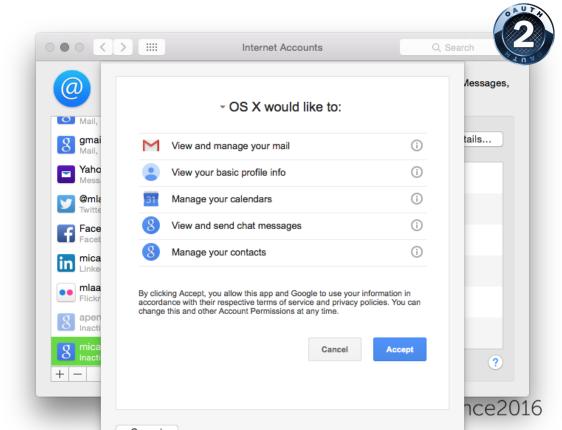










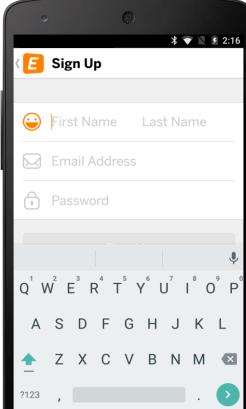


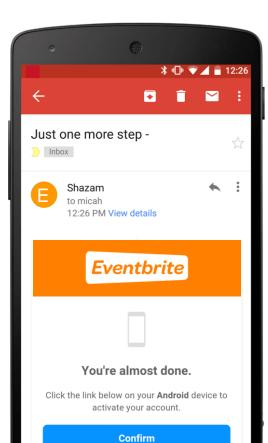


Sign in & registration on mobile is too painful





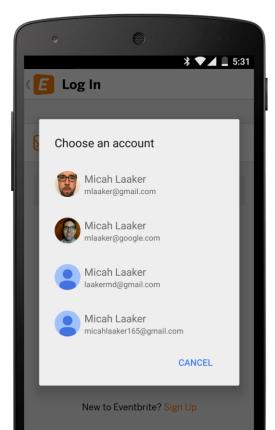


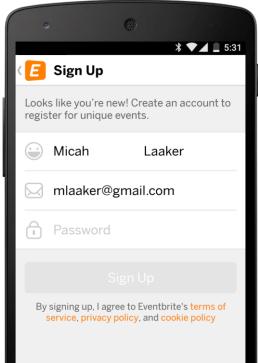


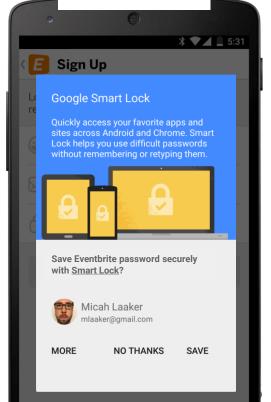






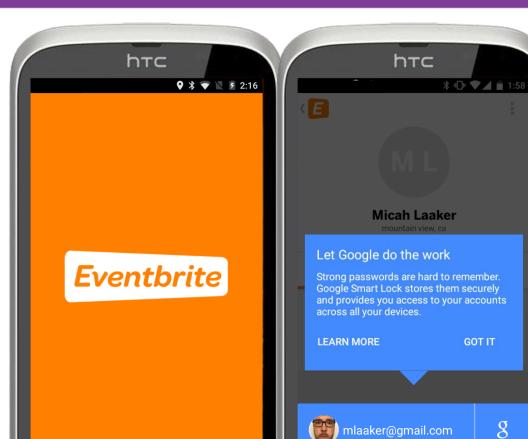


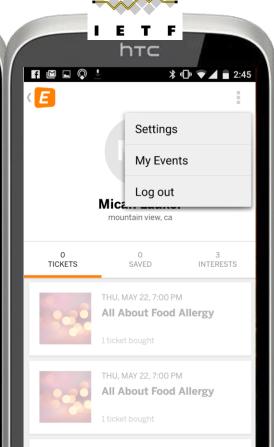












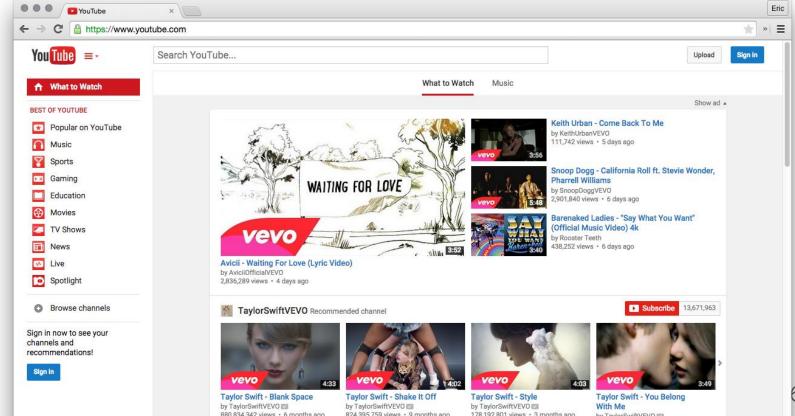
GOT IT

g



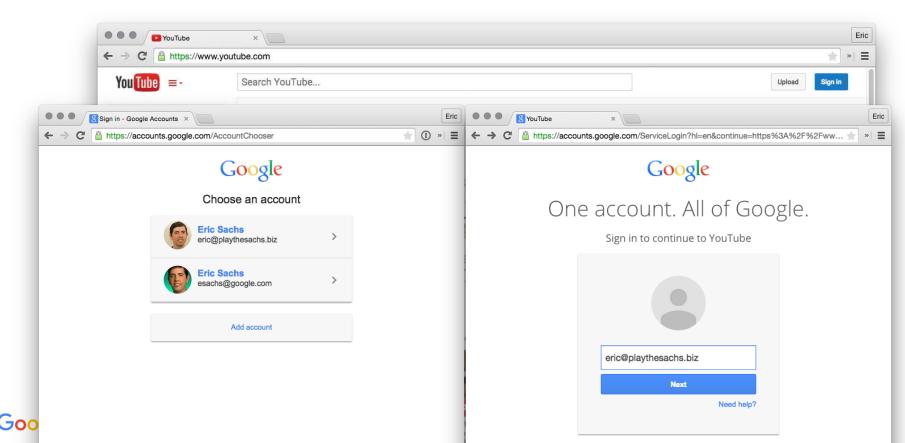
Don't overthink



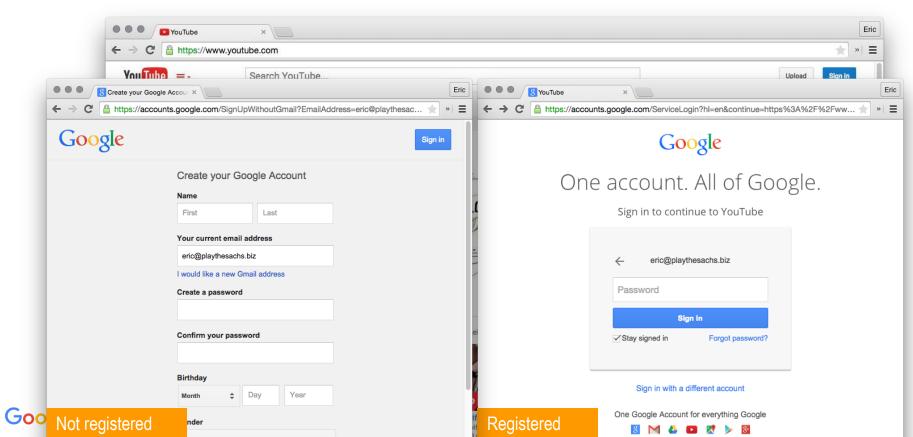




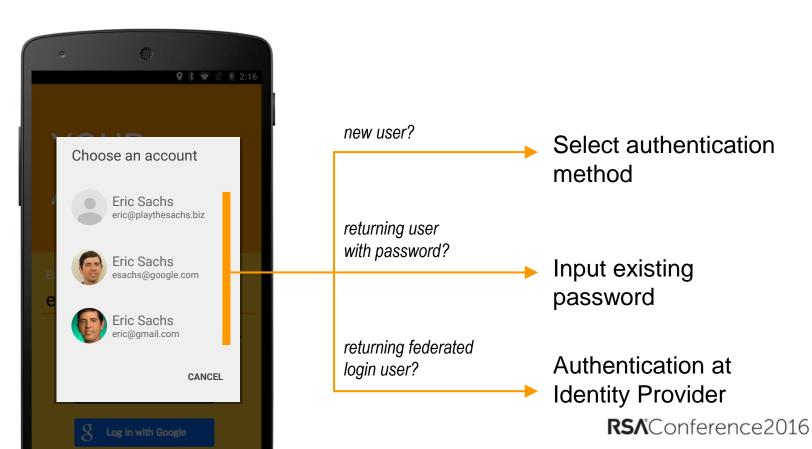














New UX, New Signals - backed by Standards



You can have the same UX as Google

http://accountchooser.com
Simple Login Hints protected by consent, standards
Overseen by OpenID Foundation http://ac.openid.net

Two added features

Identifier-first form
Protocol support for OpenID Connect login_hints

Cast:

The IDP: Integral Curve The RP: Hipstabank

The User: Alice

Try it:

http://hipstabank.com/business demonstrates Federated Flows



What you Saw in the Demo



Login Hint

Hipstabank signalled Integral Curve to help initiate a login

Identifier First Login Flow
Integral Curve took the hint, only prompted for password

Account Record Stored

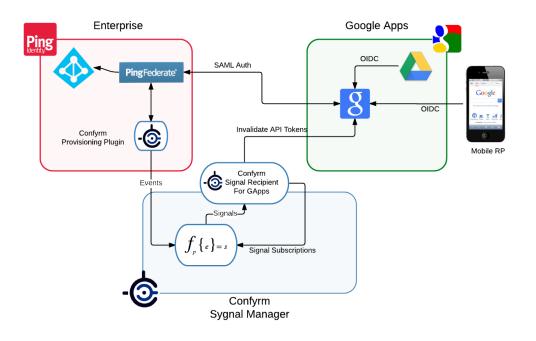
Hipstabank pushed an identifier and provider id into Account Chooser

AccountChooser Record Selected
Alice can click once to discover IDP, identify user, initiate SSO



What you Saw in the Demo





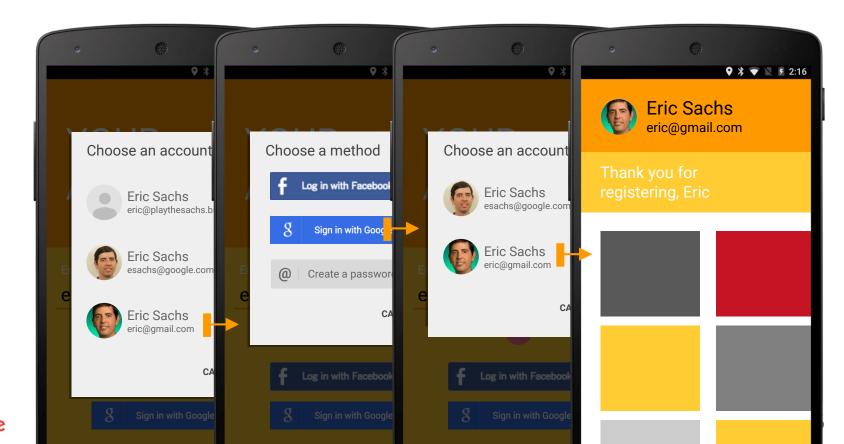
Account Event Detect & Publish

Signal Generation

Downstream Security Decisions
Session invalidation
Token Revocation

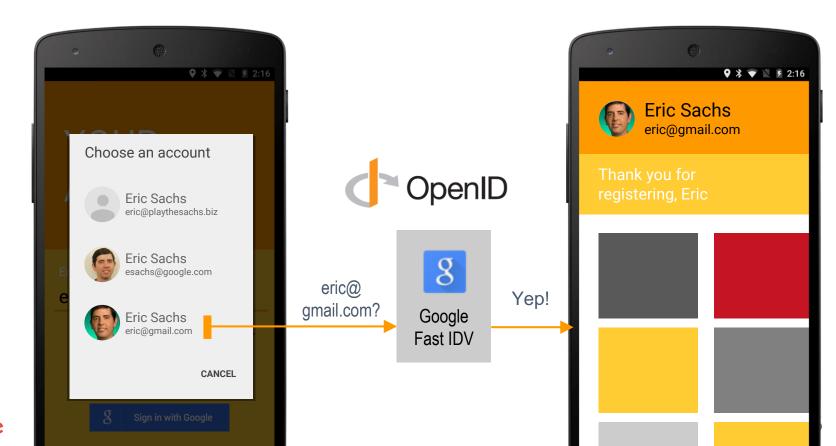






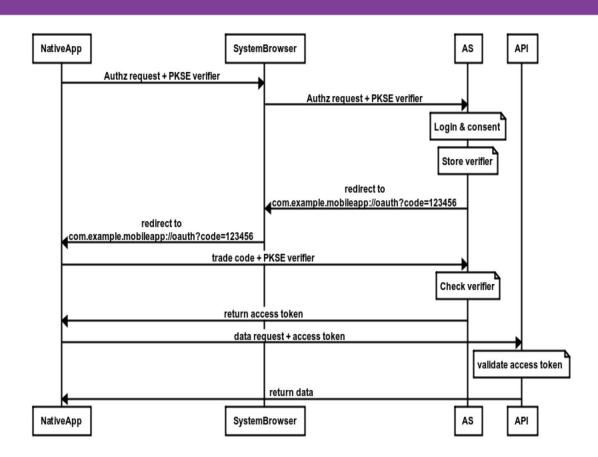






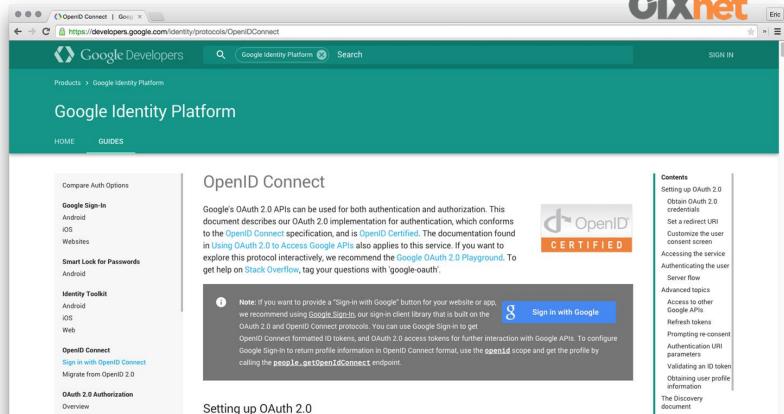








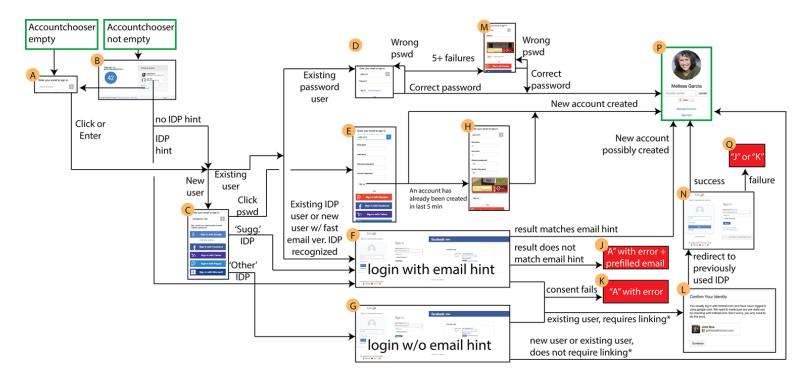






All you need to do is build this...

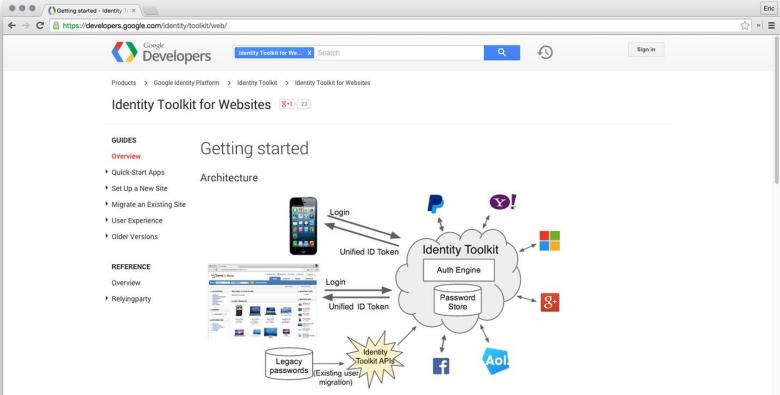






Google Identity Toolkit

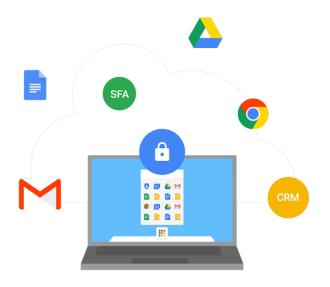






For your employees...





Pick an IDaaS provider: Azure AD, Ping, Google Apps, Okta, ...

Or combine them as Netflix did (Google Apps + Ping "Identity Bridge")



Search for "Google Internet Identity Research" to find these slides and others from Google













