

FIDO, Federation & Facebook Social login



John Bradley
Senior Architect / Standards

yubico

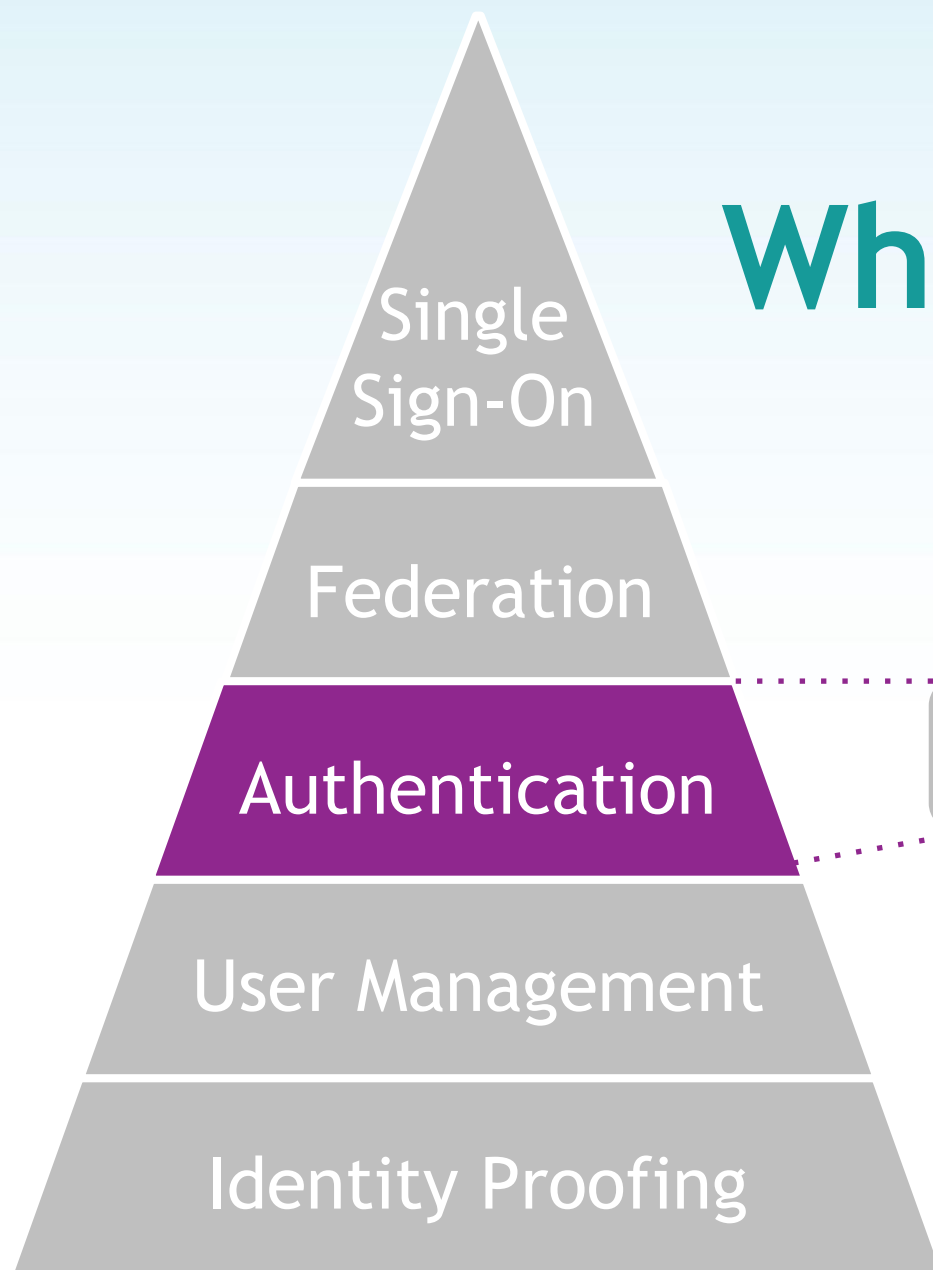
AGENDA

- FIDO U2F: A strong second-factor
- U2F and Federation
- Facebook Integration & Social Login

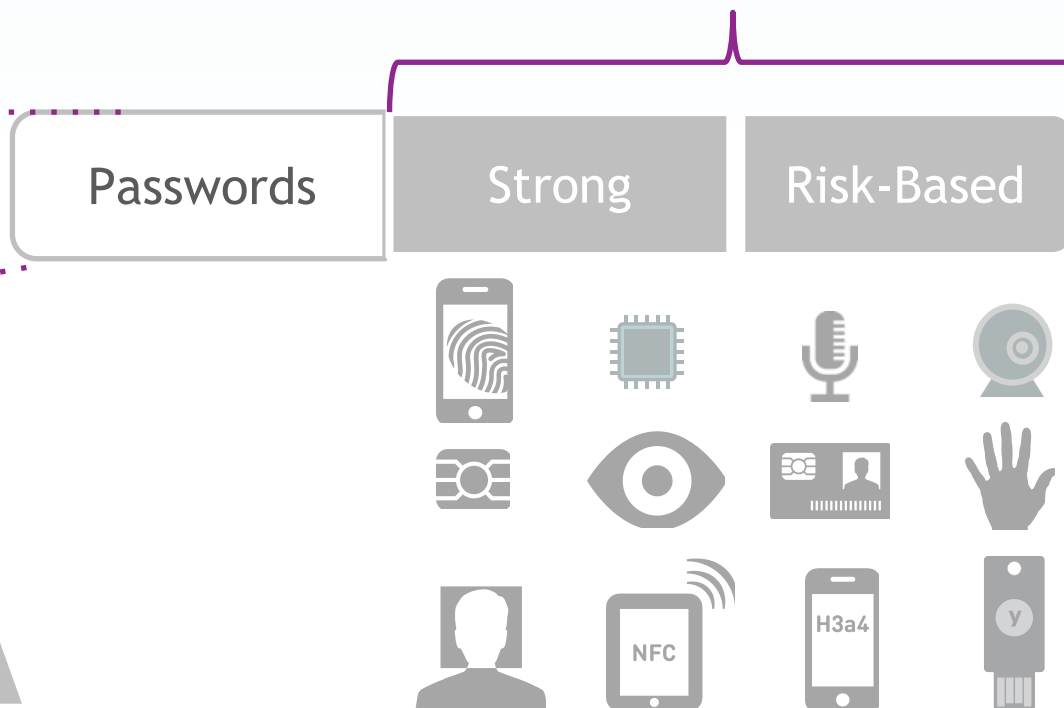
Why FIDO?

- **Simple**, single gesture authentication
- **Scalable**, one device works across an unlimited number of sites
- **Secure**, protects against phishing and man-in-the-middle attacks
- **Privacy** preserving, no secrets shared between sites
- **Open Standard**, platform/browser support, no 3rd-party protocol

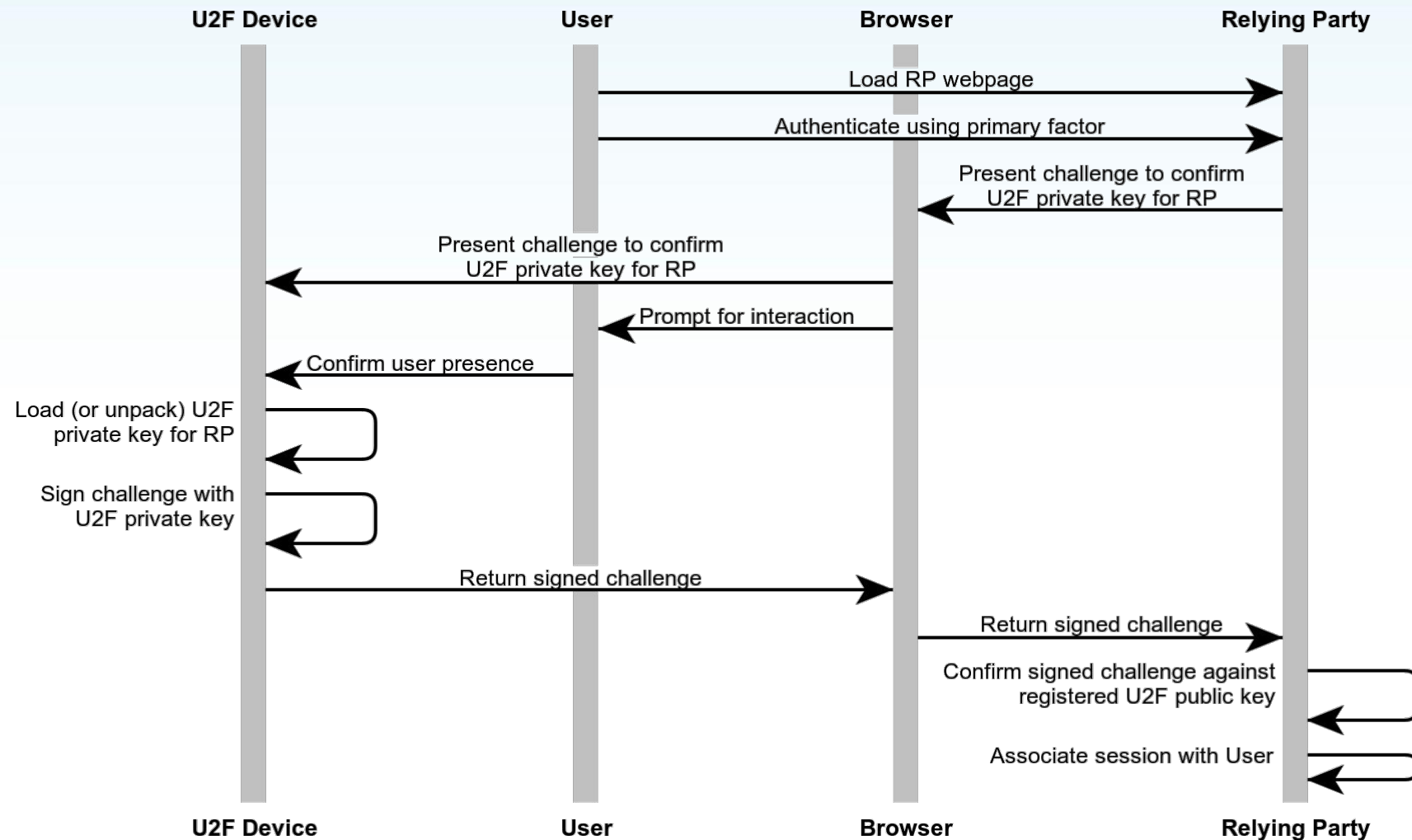
Where Does FIDO Fit?



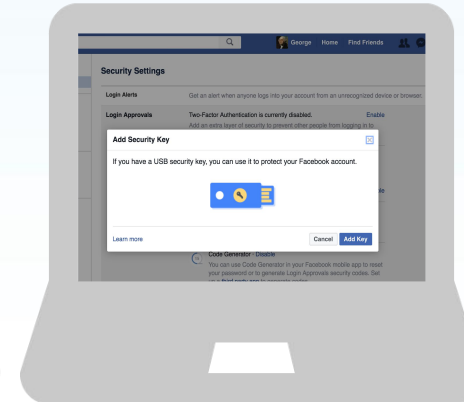
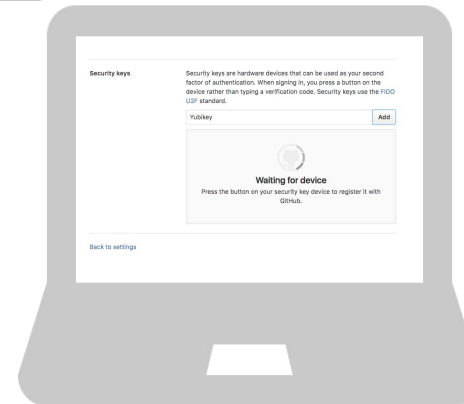
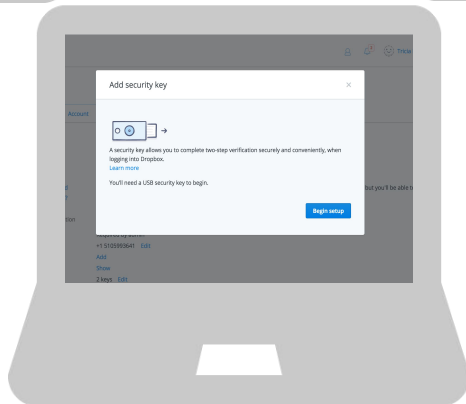
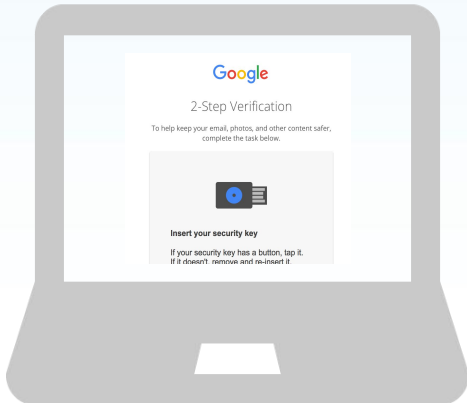
MODERN AUTHENTICATION



FIDO U2F Challenge/Response Flow



Notable RPs using FIDO U2F



FIDO U2F and Federation

- FIDO U2F Authentication protects login to federation account, which holds the “keys to the kingdom”
- FIDO U2F security benefits extend to federated logins
- Strengthens federation protocols: SAML, OAuth 2.0

U2F, Federation, and Facebook

- Facebook added support for FIDO U2F in January 2017
- Social logins (Login with 'X') extends FIDO U2F security benefits to federated account access

Several decorative wireframe spheres of various sizes and colors (red, blue, yellow) are scattered on the left side of the slide. They are composed of interconnected lines and dots, resembling a network or a globe.

U2F, Federation, and Facebook

Benefits:

- Phishing protection
- Fast, secure logins (and social logins)
- Interoperable (1 token, many services)

Facebook Federation

- Facebook social logins use OAuth 2.0 and *OpenID Connect-like* extensions (Facebook Connect)
- SAML used for enterprise federation

U2F, Federation and Facebook

Scenario: Currently Logged into Facebook with
username/password & U2F Token

IdP: The Facebook logo, consisting of the word "facebook" in a bold, blue, sans-serif font with a registered trademark symbol.

Relying Party: The New York Times logo, featuring the words "The New York Times" in a black, serif font.

The New York Times

Tuesday, June 6, 2017

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Trump Suggests He Led Saudis to Isolate Qatar Over Terror Ties

By MARK LANDLER
1:22 PM ET

“During my recent trip to the Middle East I stated that there can no longer be funding of Radical Ideology,” President Trump said on Twitter. “Leaders pointed to Qatar — look!”

Mr. Trump’s tweets have huge potential strategic consequences in the Middle East, where Qatar is a crucial military outpost for the United States.



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FROM THE MAGAZINE



Ruddy Roye for The New York Times

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How does FIDO & Federation benefit me?

- Enable Social Authentication for Account Recovery
- Enable Users to Opt-Out of Managing Passwords
- Enable Secure and Simple to Use Social Login
- Become a Secure Identity Provider for Your Employees, Customers, Vendors, Partners, etc.

Start Building a Better Authentication Stack Now!

Learn

Read the U2F Specifications [FIDO specs](#) & github.com/dainnilsson/u2f-tutorial

Implement

Build Your Own Server https://developers.yubico.com/U2F/Libraries/List_of_libraries.html

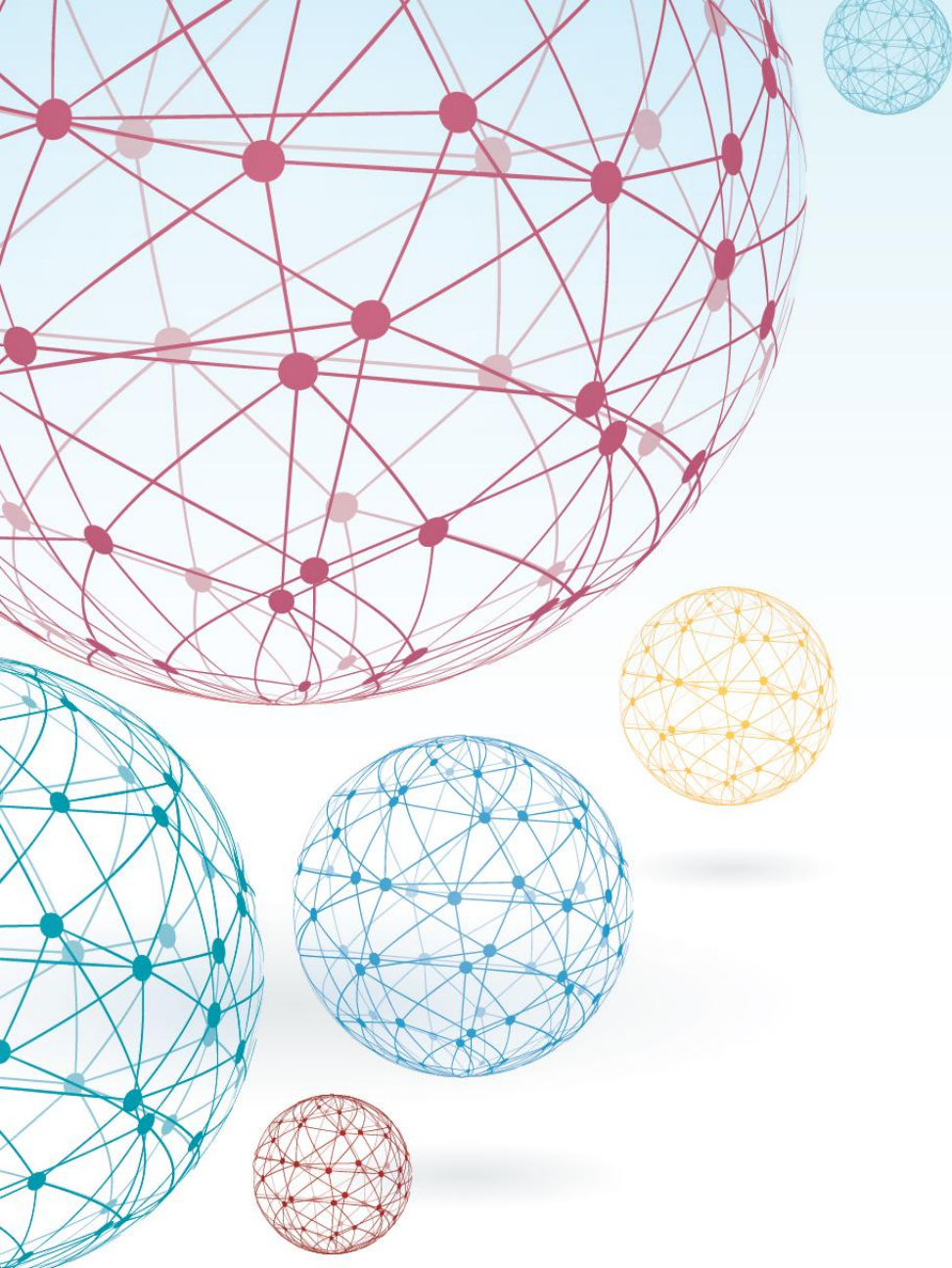
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Thank You!

John Bradley
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