



WordCamp
Hong Kong
2023

Securing Your WordPress Site with Modern Authentication and Beyond

chingweesze@oursky.com (2023/11/18)



13+

Years of
Web / Mobile App
Experiences



70+

Employees



3

Offices
UK • TW • HK



300+

Project Delivered



3M+

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70%

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Apple App Store



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Asia Smartphone Apps Contest Grand Prize (2013, 2014)



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BRAVO IN THE FLESH




At BravoCon, the virtual consumption of human story while watching reality television becomes temporarily, and weirdly, physical. This year, more than a hundred and sixty reality stars descended on Las Vegas for the annual fan conference, where they were pulled apart by their harshest critics, who also happen to be their most diehard fans. **Doreen St. Félix** reports.



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THE LEDE

Reporting and analysis on the affairs of the day.



<https://www.newyorker.com/culture/dent-of-popular-culture/bravo-in-the-flesh>

Default Wordpress User Management

The screenshot shows the WordPress 'Users' management page. At the top, there's a notification for WordPress 6.4.1. Below that, the 'Users' section is active, showing a list of users. The interface includes a sidebar with navigation options like Dashboard, Jetpack, Posts, Media, Pages, Comments, Appearance, Plugins, Users, All Users, Tools, Settings, and Collapse menu. The main content area shows a table of users with columns for Username, Name, Email, Role, and Posts. There are also bulk action buttons and a search bar.

Username	Name	Email	Role	Posts
<input type="checkbox"/>	c632de06-031a-4dc5-a588-d911bfb06f94	—	Subscriber	0
<input type="checkbox"/>	f1fb3f6c-398d-4010-804f-6236252475e4	—	Subscriber	0
<input type="checkbox"/>	user	user@example.com	Administrator	1

A collage of four WordPress plugin cards. Each card features a logo, the plugin name, a star rating with the number of reviews, and a brief description of its functionality.

- WP 2FA - Two-factor authentication for WordPress**: 5 stars (111). Description: Harden your website's authentication; add two-factor authentication (2FA) for all your users with this easy-to-use plug...
- SAML Single Sign On - SSO Login**: 5 stars (233). Description: WordPress SAML Single Sign On login with Okta, Azure B2C, Azure AD, ADFS, Keycloak, Salesforce, Ping, OneLogin...
- Password Policy Manager | Password Manager**: 5 stars (12). Description: The Password Policy Manager is a plugin that makes it easy to create and enforce strong and secure password policies with features like force password ...
- miniOrange**: 4,000+ active installations. Tested with 6.3.2.

Everything in One-Click



Single Sign-On



Passwordless login



B2B Authentication



Multi-Factor
Authentication

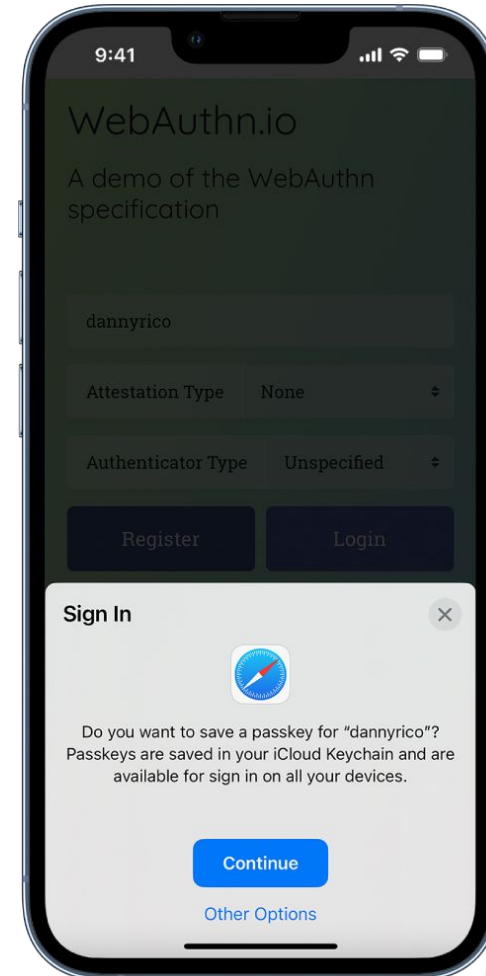
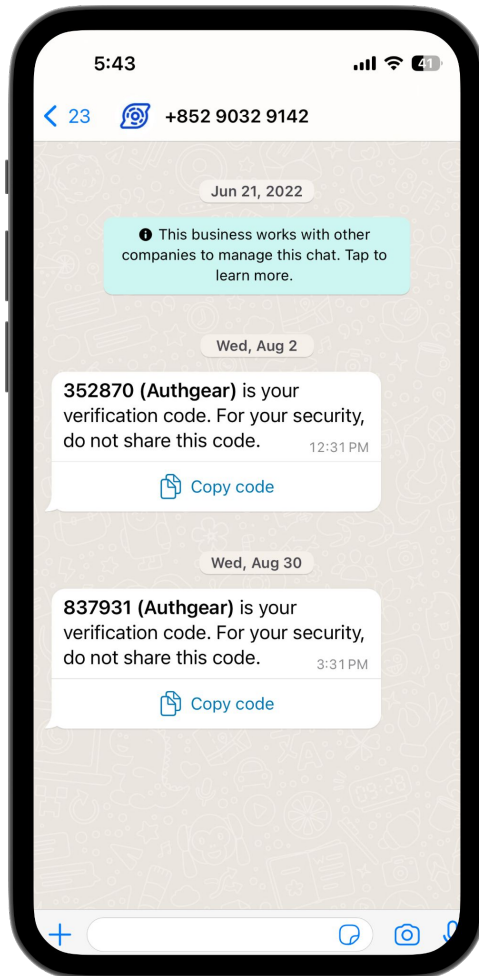


Breached Password
Detection



Zero trust
architecture

Auth Demo And Setup Demo



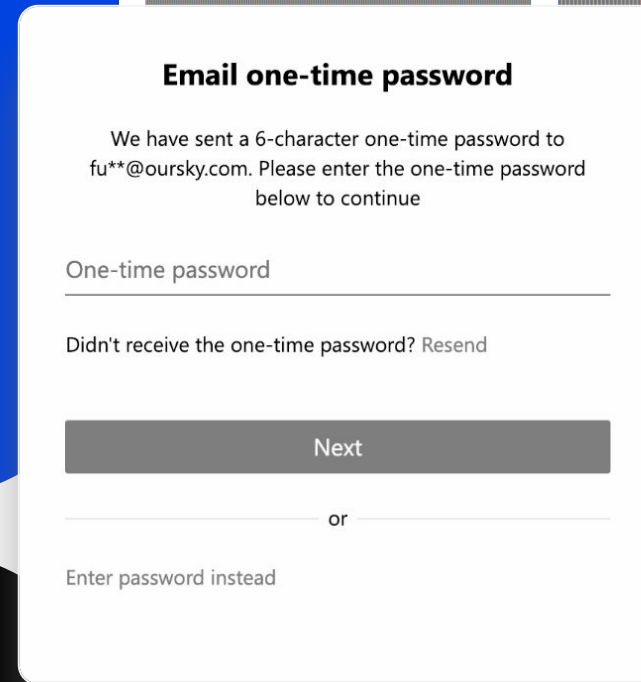
Optimize Signup Conversion

Bad conversion rate for sign up

Do you know... according to Andrew Chen (Growth Uber, a16z):

1. 78% of users forgot their password and had to reset it
2. User forgot if they've sign up, the confusion reduce sign up conversions

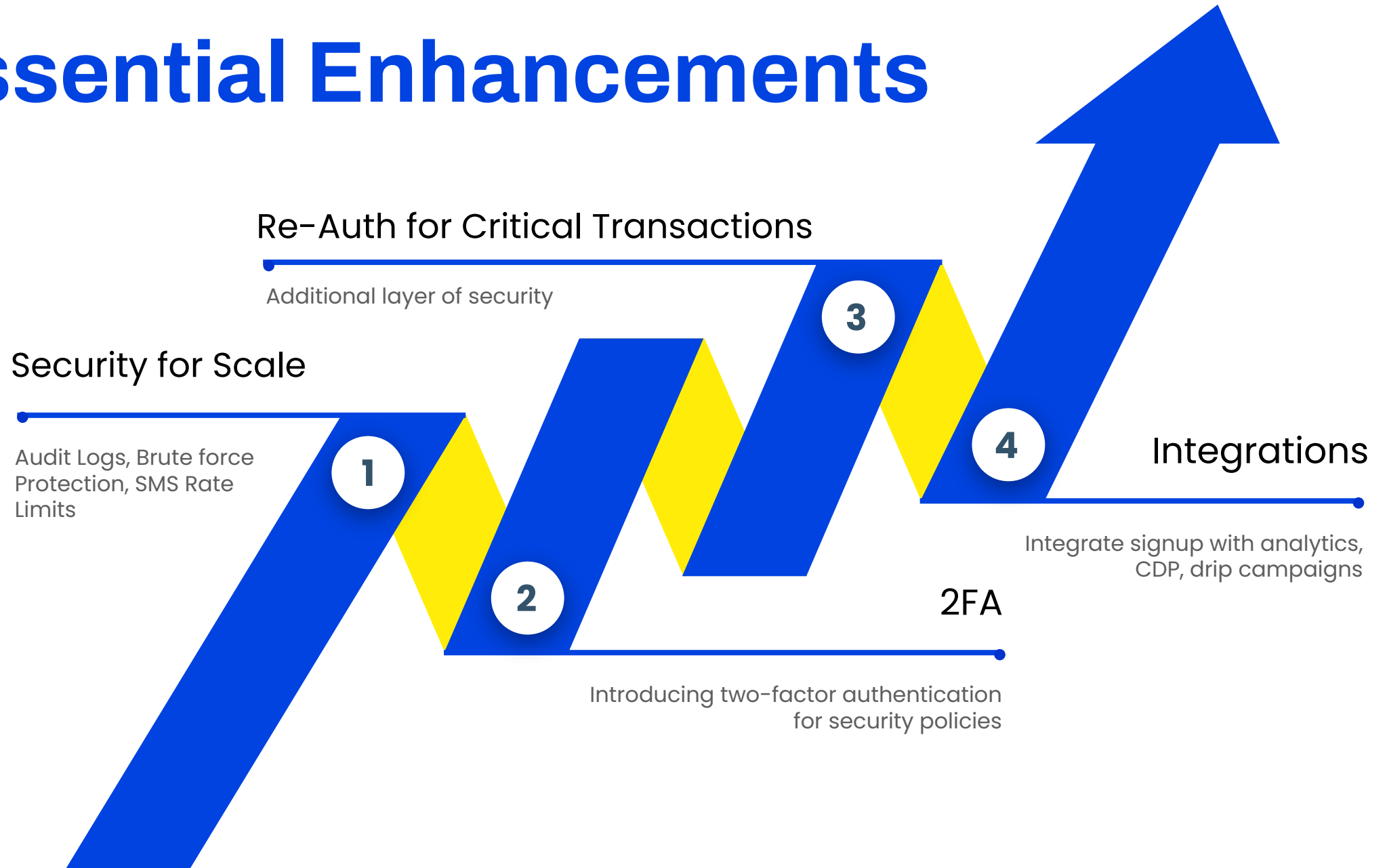
Switch to Email + Magic Link, and update the UI to optimize, **takes weeks.**



The screenshot shows a white modal window with a grey border. At the top, it says "Email one-time password". Below that, it says "We have sent a 6-character one-time password to fu**@oursky.com. Please enter the one-time password below to continue". There is a text input field labeled "One-time password". Below the input field, it says "Didn't receive the one-time password? Resend". At the bottom, there is a grey button labeled "Next". Below the button, there is a horizontal line with the word "or" in the center. Below the line, it says "Enter password instead".

78% of users forgot their password and had to reset it

Essential Enhancements



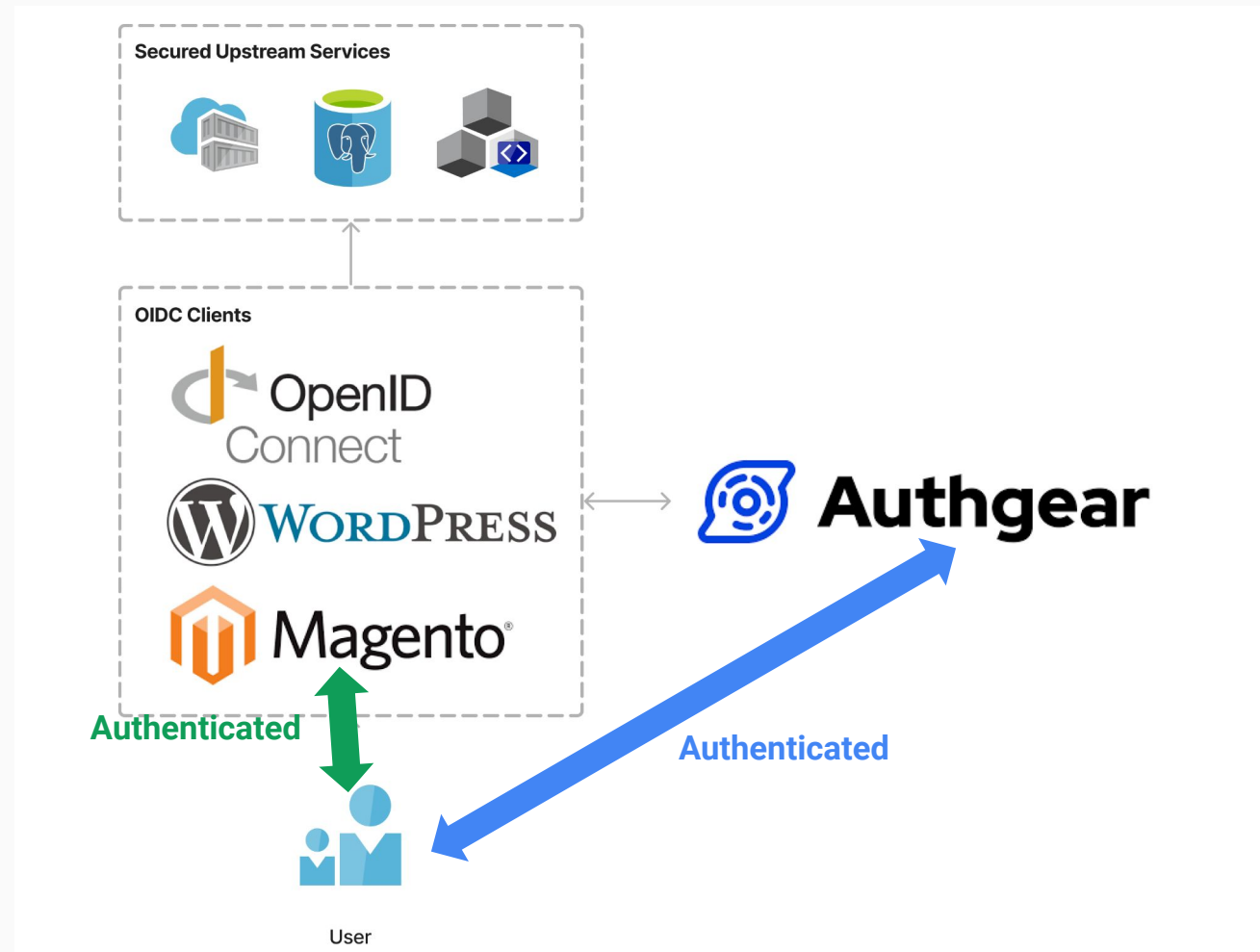
Integrate with OIDC client 🤖

- Effectively 2 Authentications
- Authgear cannot control session/auth state between user and the ODIC client



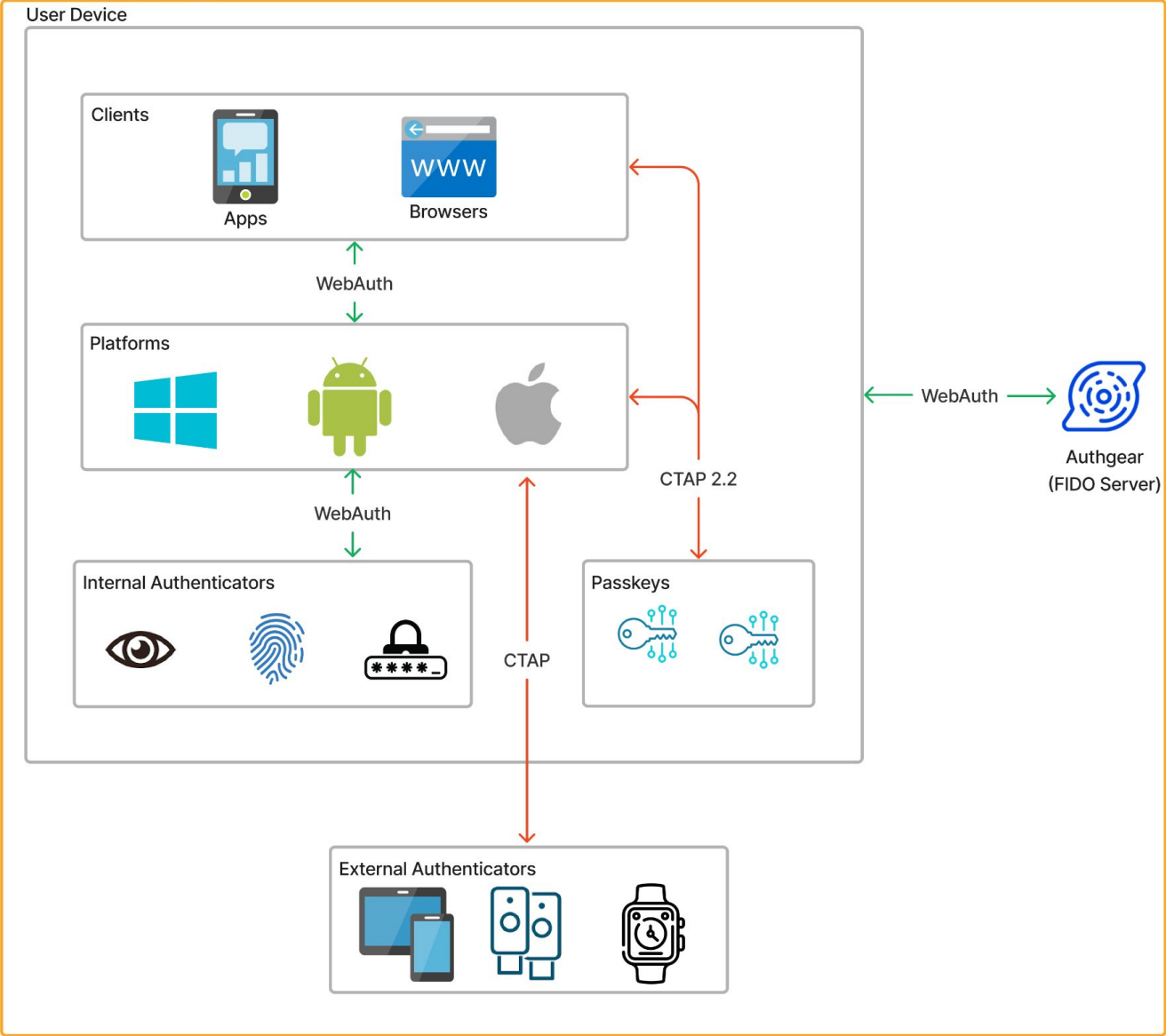
Integrate with OIDC client 🤖

- Effectively 2 Authentications
- Authgear cannot control session/auth state between user and the ODIC client



FIDO, FIDO2, Webauth, Passkeys

FIDO2 Standard



FIDO Alliance
("Fast Identity Online")



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Thank You!

- Contact

- chingweesze@oursky.com

- Authgear References

- <https://www.authgear.com/>

- <https://github.com/authgear>

