WHY DO WE EVEN NEED OAUTH ANYWAY?

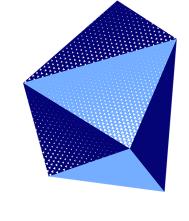
@AARONPK

Thank You to Our Sponsors and Hosts!









CyberCX DATACOM





Auth0 Checkmarx OHCL AppScan Kordia



















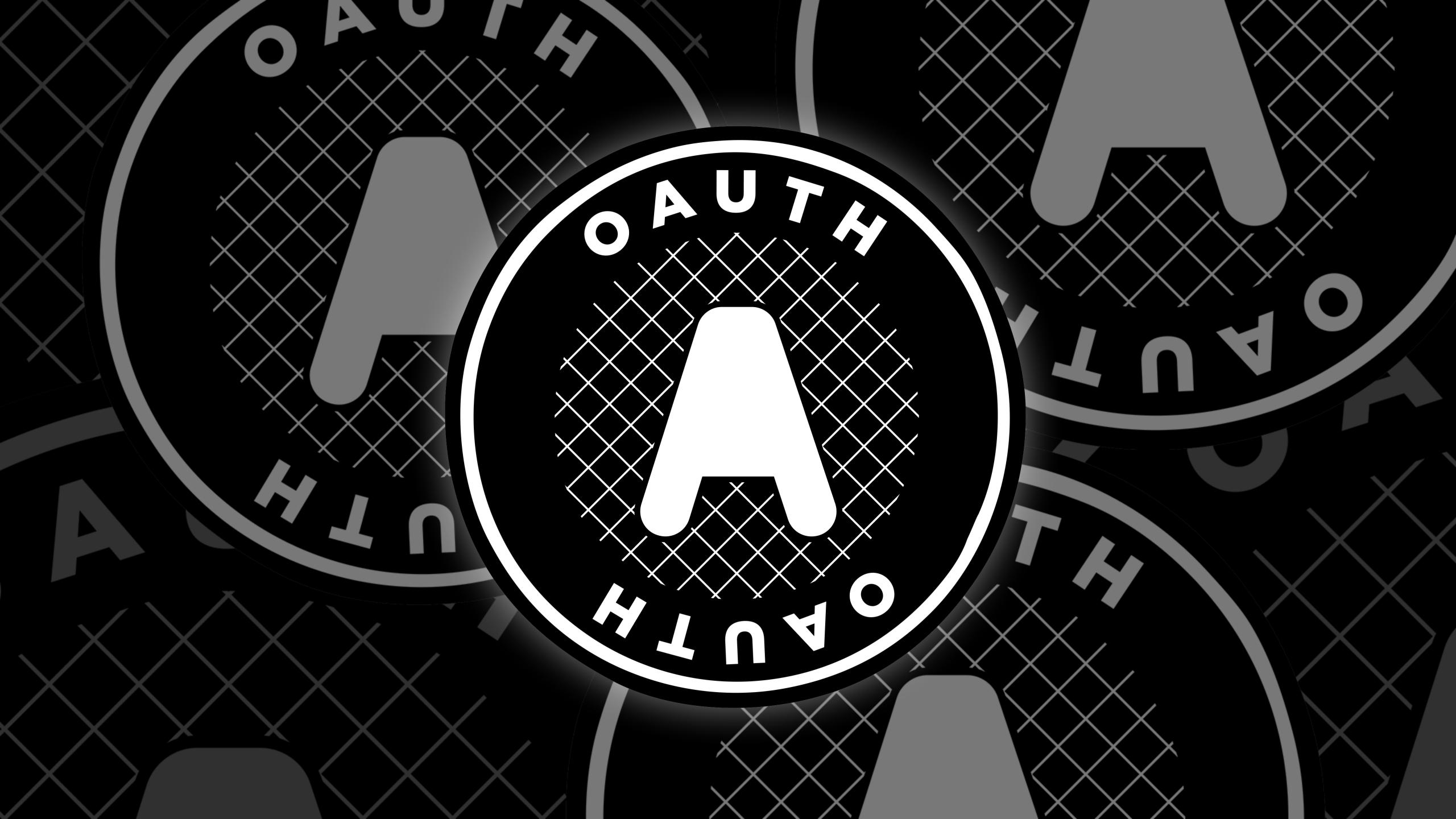












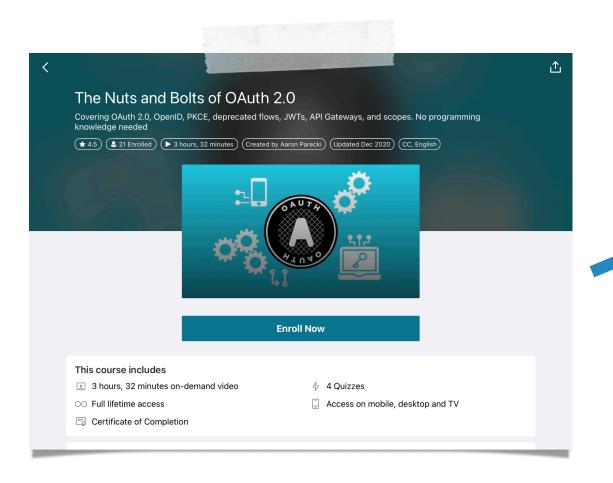
OAuth 2.0 Simplified

A guide to building OAuth 2.0 servers

okta

Aaron Parecki

okta







[Search] [txt|html|pdf] [Tracker] [WG] [Email] [Diff1] [Diff2] [Nits]

Versions: (draft-parecki-oauth-v2-1) 00 01 02 03

OAuth Working Group

Internet-Draft

Intended status: Standards Track

Expires: 8 April 2022

Hellō A. Parecki Okta

D. Hardt

T. Lodderstedt

yes.com

5 October 2021

The OAuth 2.1 Authorization Framework draft-ietf-oauth-v2-1-04

Abstract

The OAuth 2.1 authorization framework enables a third-party application to obtain limited access to an HTTP service, either on behalf of a resource owner by orchestrating an approval interaction between the resource owner and an authorization service, or by allowing the third-party application to obtain access on its own behalf. This specification replaces and obsoletes the OAuth 2.0 Authorization Framework described in RFC 6749.

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of \underline{BCP} 78 and \underline{BCP} 79.



[Docs] [txt|pdf] [draft-ietf-oaut...] [Tracker] [Diff1] [Diff2] [IPR] [Errat

Updated by: 8252

PROPOSED STANDARD
Errata Exist
D. Hardt, Ed.
Microsoft
October 2012

Internet Engineering Task Force (IETF) Request for Comments: 6749

Obsoletes: 5849

Category: Standards Track ISSN: 2070-1721

The OAuth 2.0 Authorization Framework

Abstract

The OAuth 2.0 authorization framework enables a third-party application to obtain limited access to an HTTP service, either on behalf of a resource owner by orchestrating an approval interaction between the resource owner and the HTTP service, or by allowing the third-party application to obtain access on its own behalf. This specification replaces and obsoletes the OAuth 1.0 protocol described in RFC 5849.

Status of This Memo

This is an Internet Standards Track document.

This document is a product of the Internet Engineering Task Force (IETF). It represents the consensus of the IETF community. It received public review and has been approved for publication by the Internet Engineering Steering Group (IESG). Further is or a tion of Internet Standards is available in Section 2 of 17.

Information about the current status of his out, any errata and how to provide feedback on / ma by his ned at http://www.rfc-editor.org/nfo/2.c67

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Hardt Standards Track [Page 1]

RFC 6749 OAuth 2.0 October 2012

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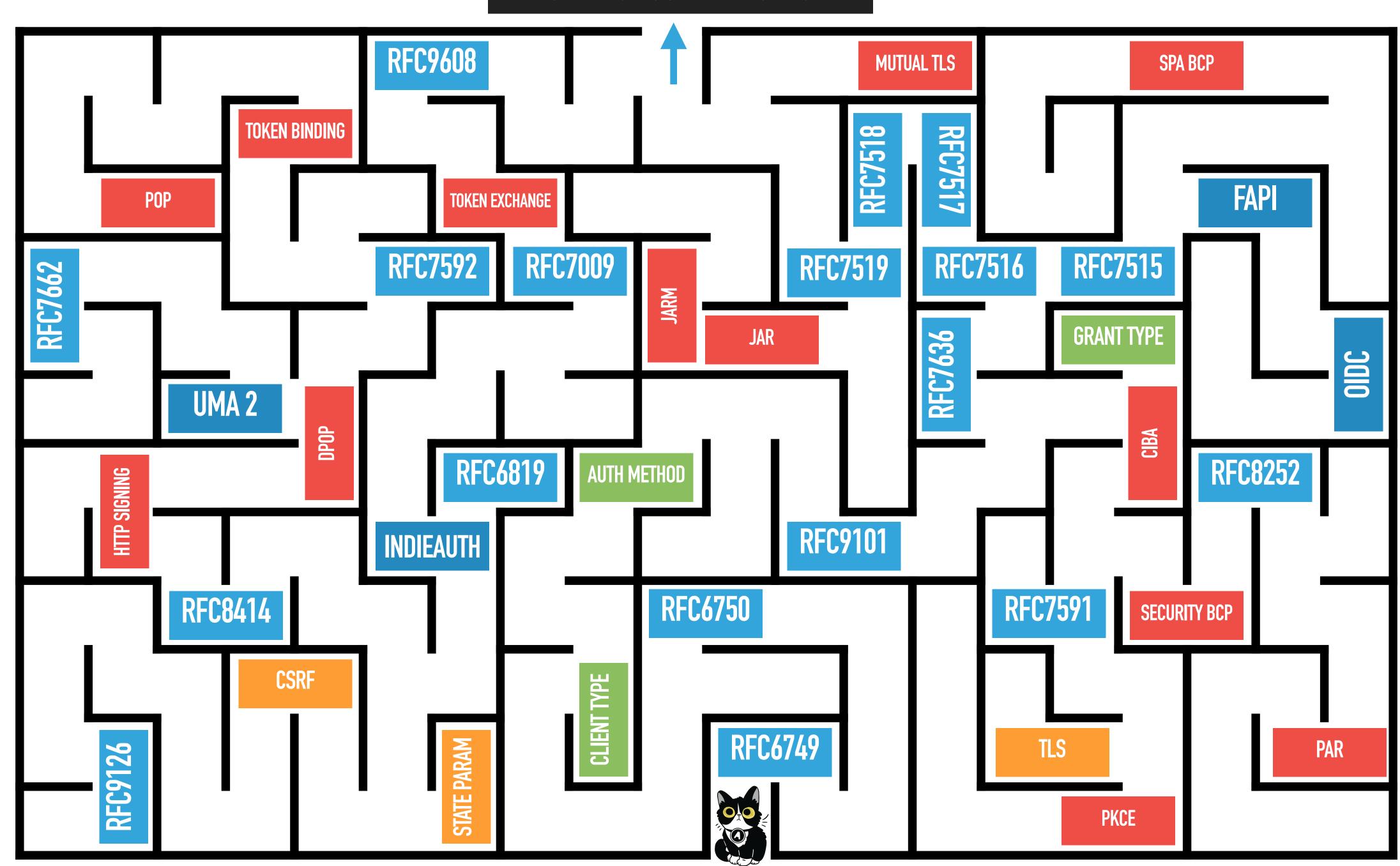
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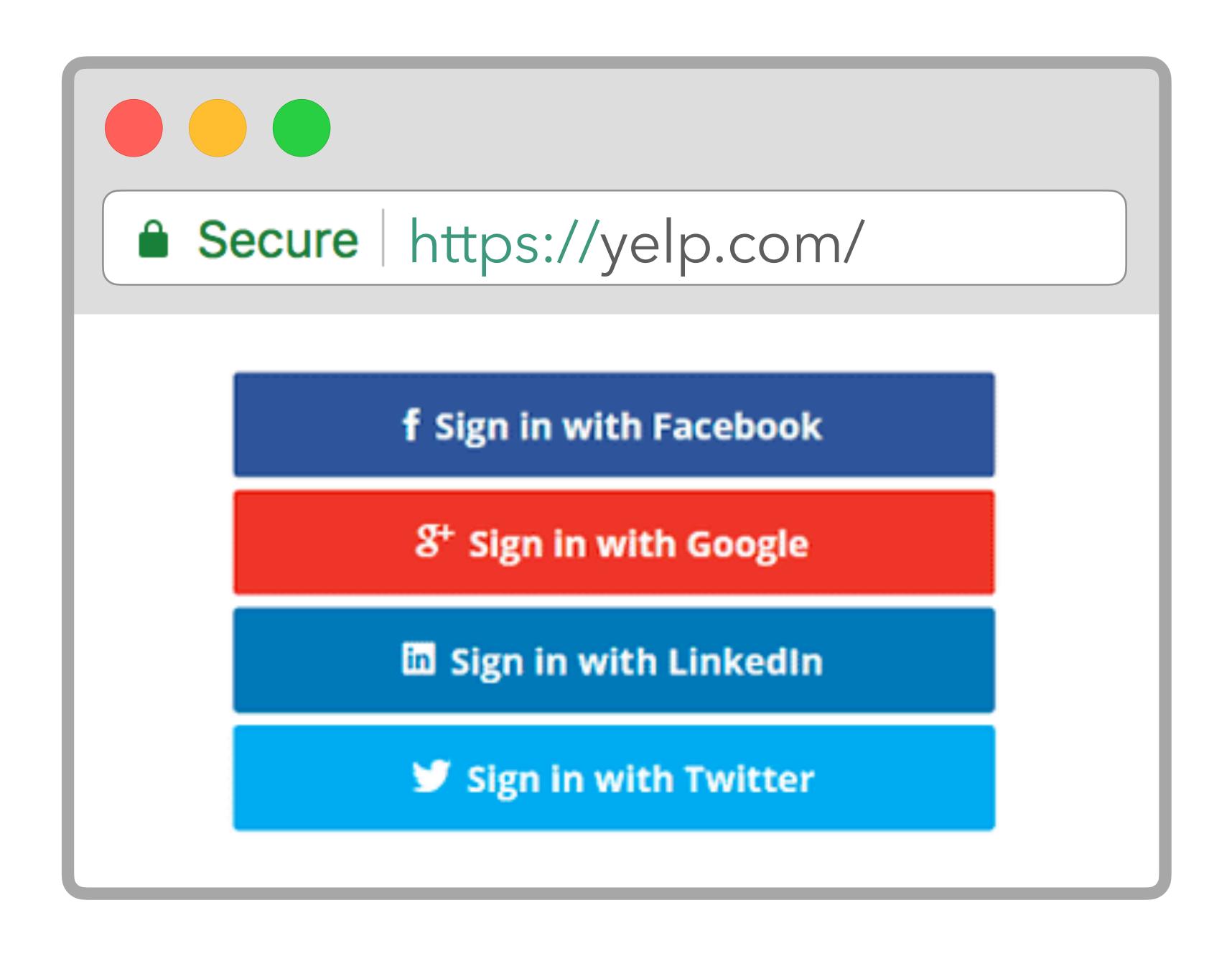
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the vibed

BUILDING YOUR APPLICATION



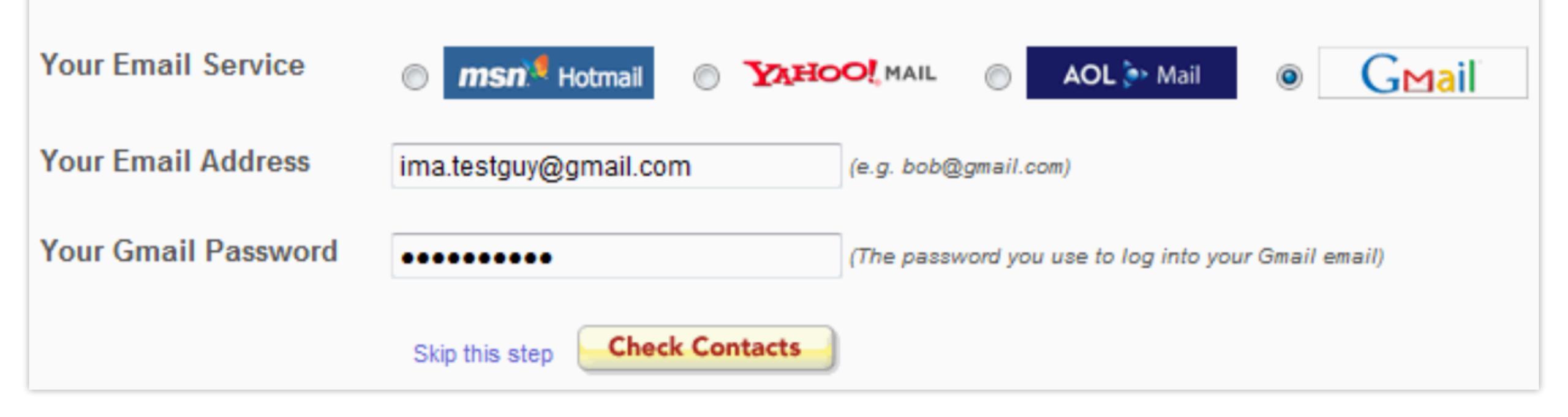




LIMIT/DELEGATE ACCESS TO DATA

Are your friends already on Yelp?

Many of your friends may already be here, now you can find out. Just log in and we'll display all your contacts, and you can select which ones to invite! And don't worry, we don't keep your email password or your friends' addresses. We loathe spam, too.



Are your friends already on Facebook? Many of your friends may already be here. Searching your email account is the fastest way to find your friends on Facebook. Your Email: Email Password: Find Friends Facebook will not store your password. Yahoo! Find Friends Windows Live Hotmail Find Friends Other Email Service Find Friends

WHY ISTHIS BAD?

EVENTHOUGH IT ONLY NEEDS ACCESS TO SOME DATA...

YOU'VE GIVEN THE APP ACCESS TO ALLYOUR DATA

NOWAY TO REVOKE THEAPP'S ACCESS

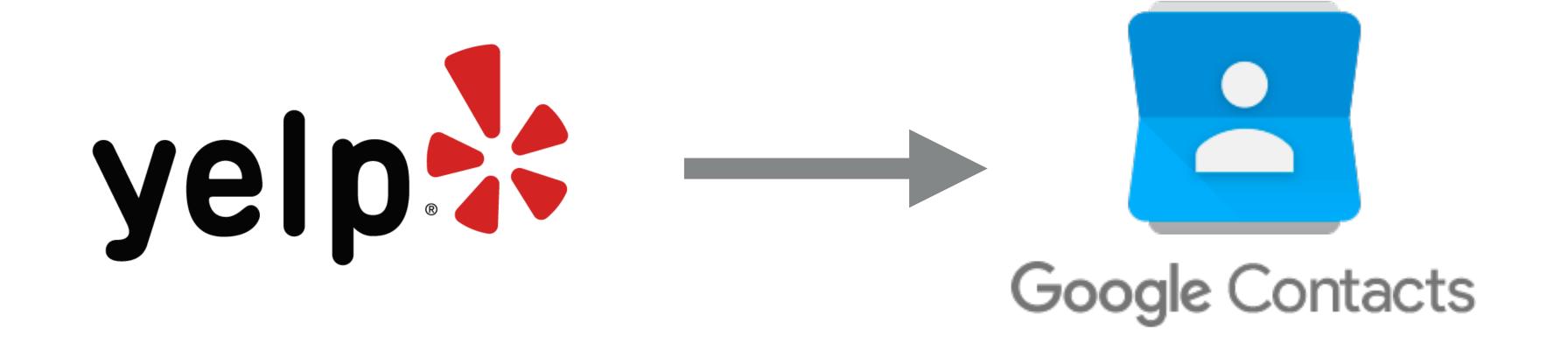
YOUPLACE ALL YOUR TRUST IN THE APP

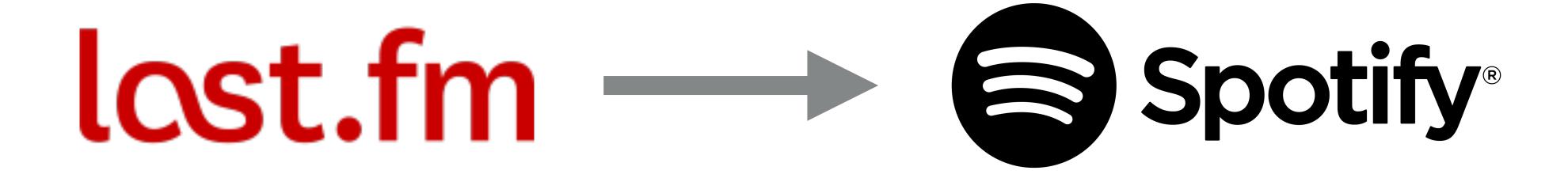


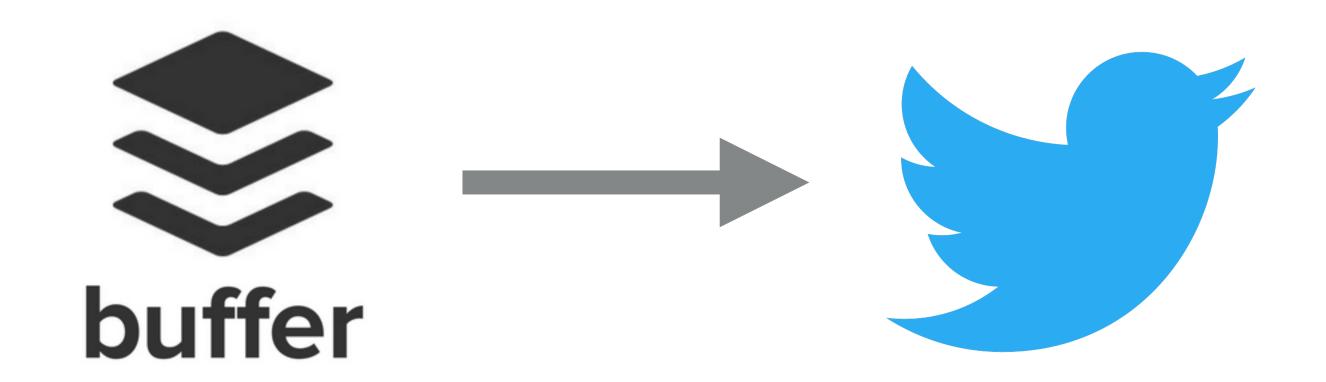




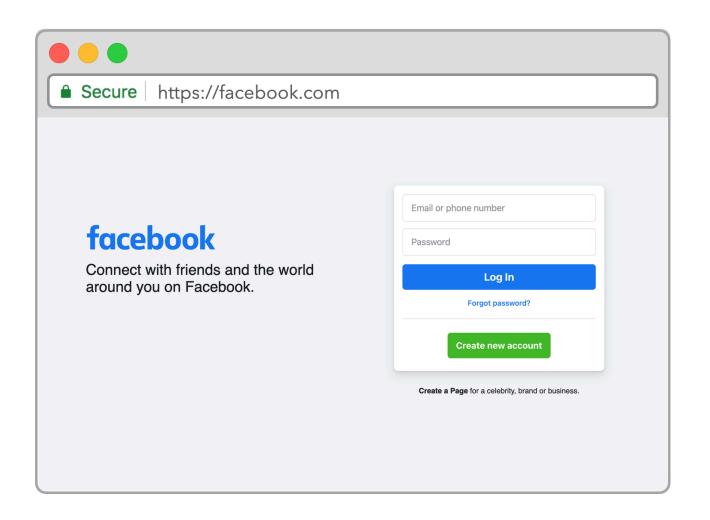


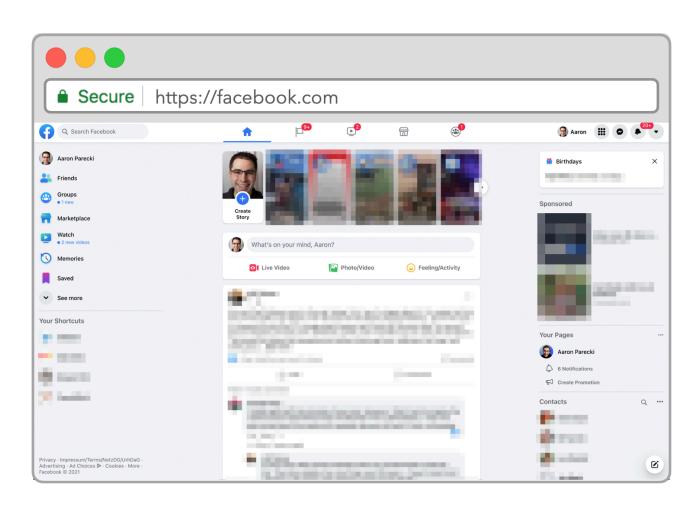




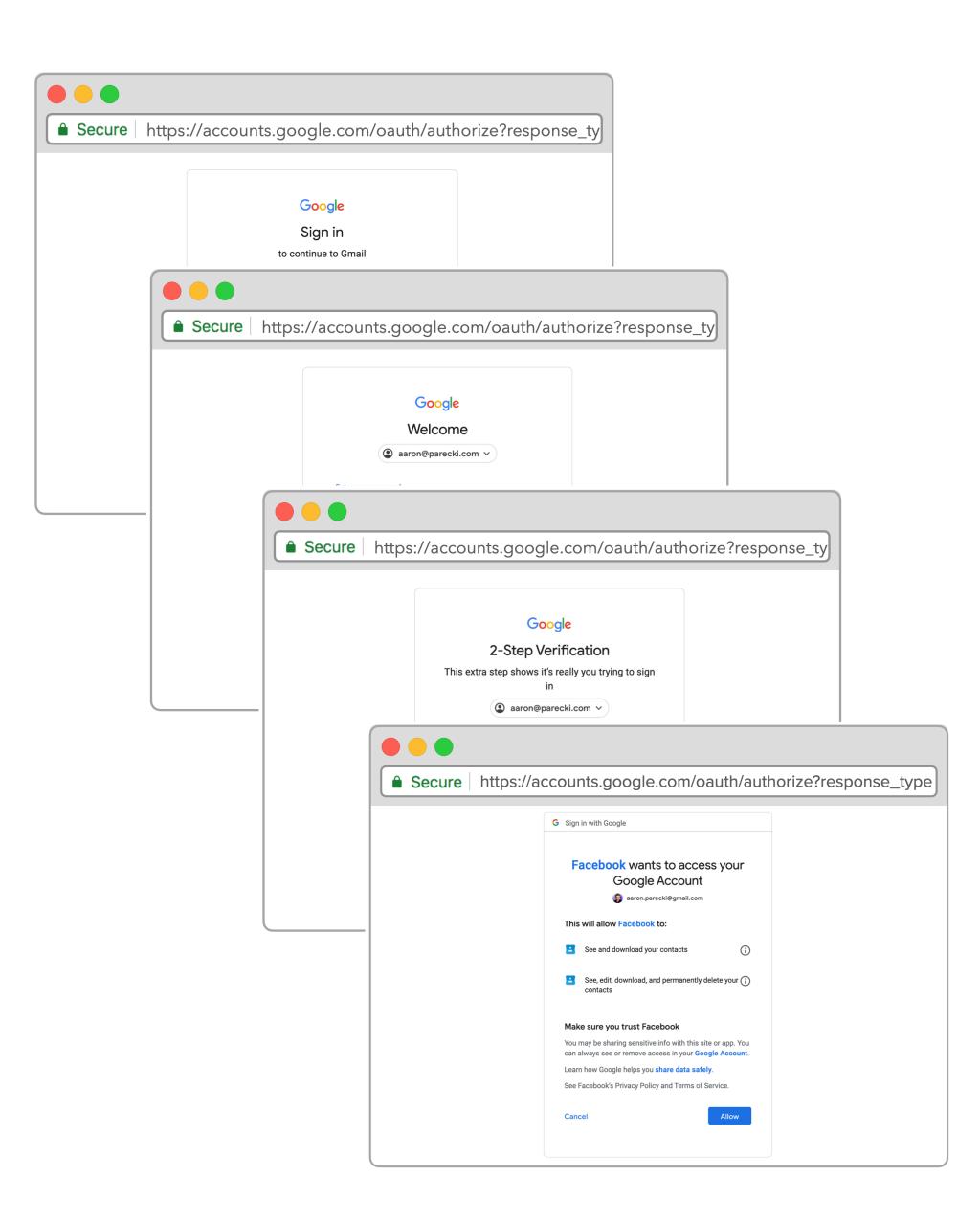


Application





OAuth Server





Facebook wants to access your Google Account



This will allow Facebook to:

See and download your contacts

- (i)
- See, edit, download, and permanently delete your (i) contacts

Make sure you trust Facebook

You may be sharing sensitive info with this site or app. You can always see or remove access in your **Google Account**.

Learn how Google helps you share data safely.

See Facebook's Privacy Policy and Terms of Service.

Cancel

Allow

Authorize Example App to access your account?

Authorize app

Cancel

This application will be able to:

- See Tweets from your timeline (including protected Tweets) as well as your Lists and collections.
- See your Twitter profile information and account settings.
- See accounts you follow, mute, and block.

Learn more about third-party app permissions in the Help Center.

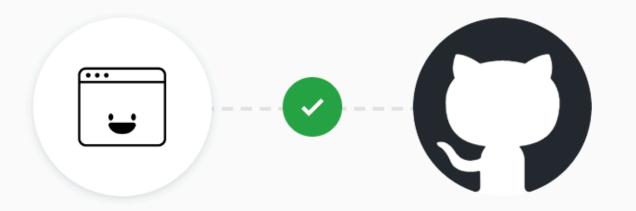


Example App

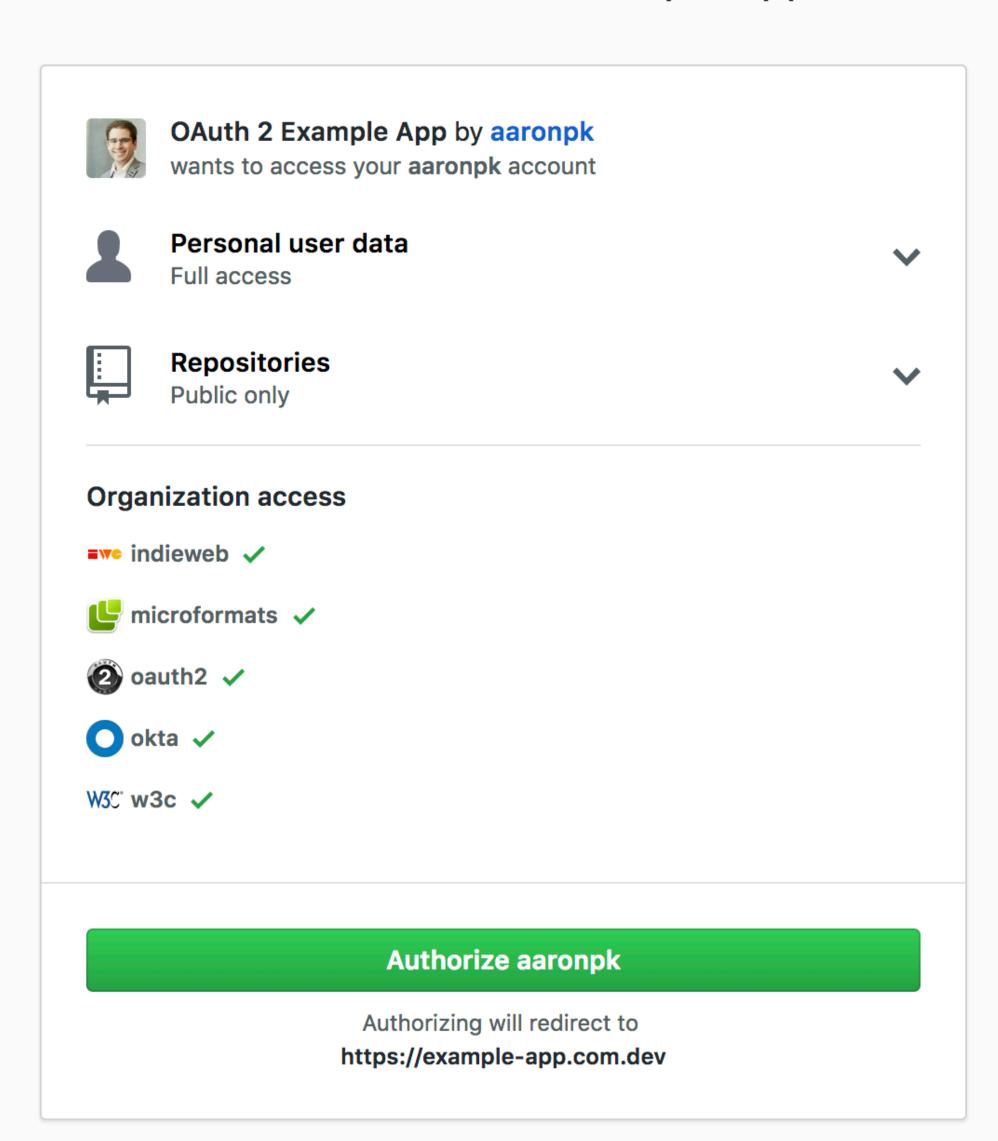
By Aaron Parecki

example-app.com

Free Version Control with unlimited private and public repositories.



Authorize OAuth 2 Example App





Example App by <u>Aaron Parecki</u> would like the ability to access the following data in your Fitbit account

- Select All
- activity and exercise
- weight 6
- sleep
- food and water logs
- Iocation and GPS
- profile 6
- heart rate

Deny

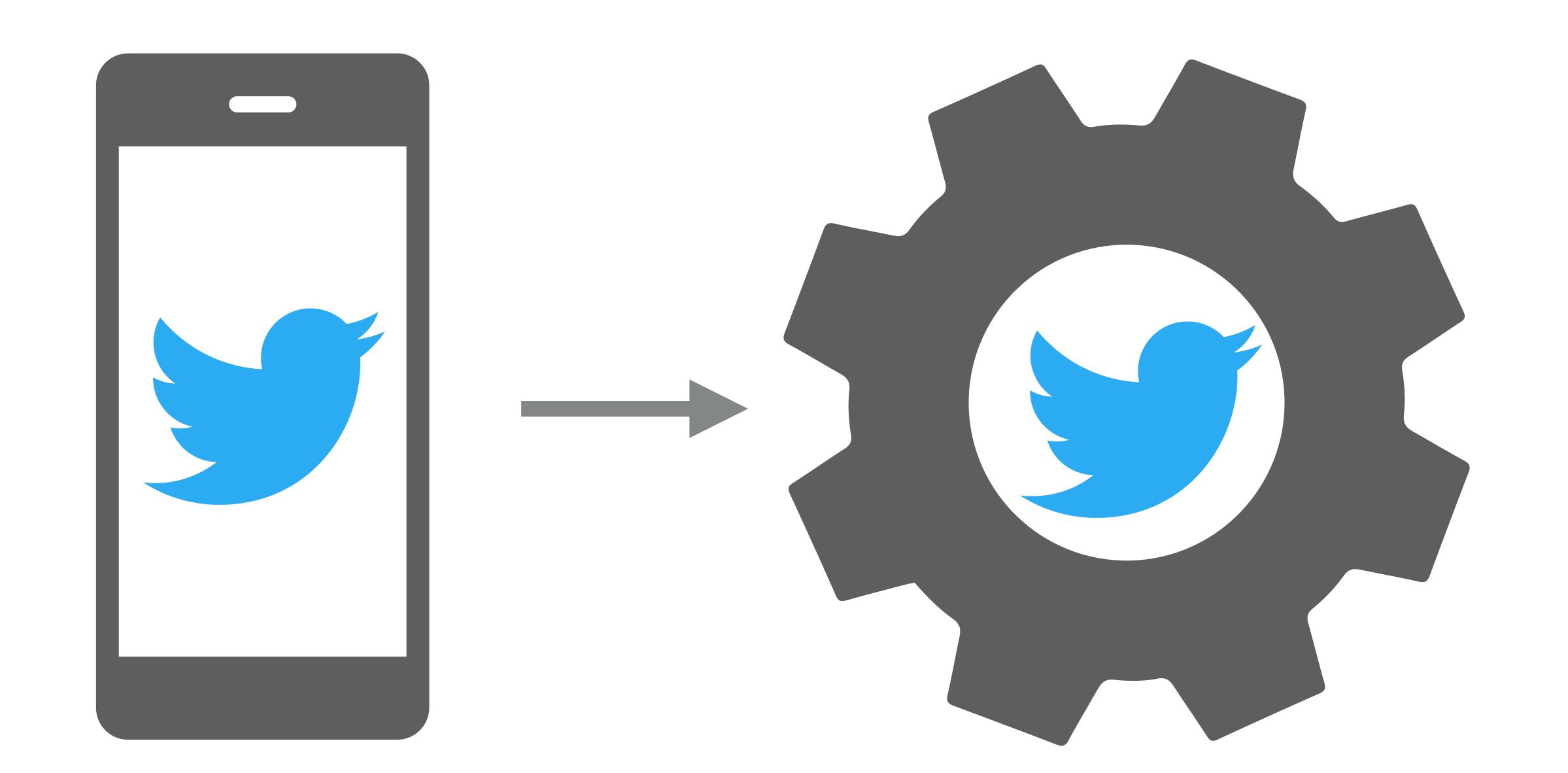
Allow

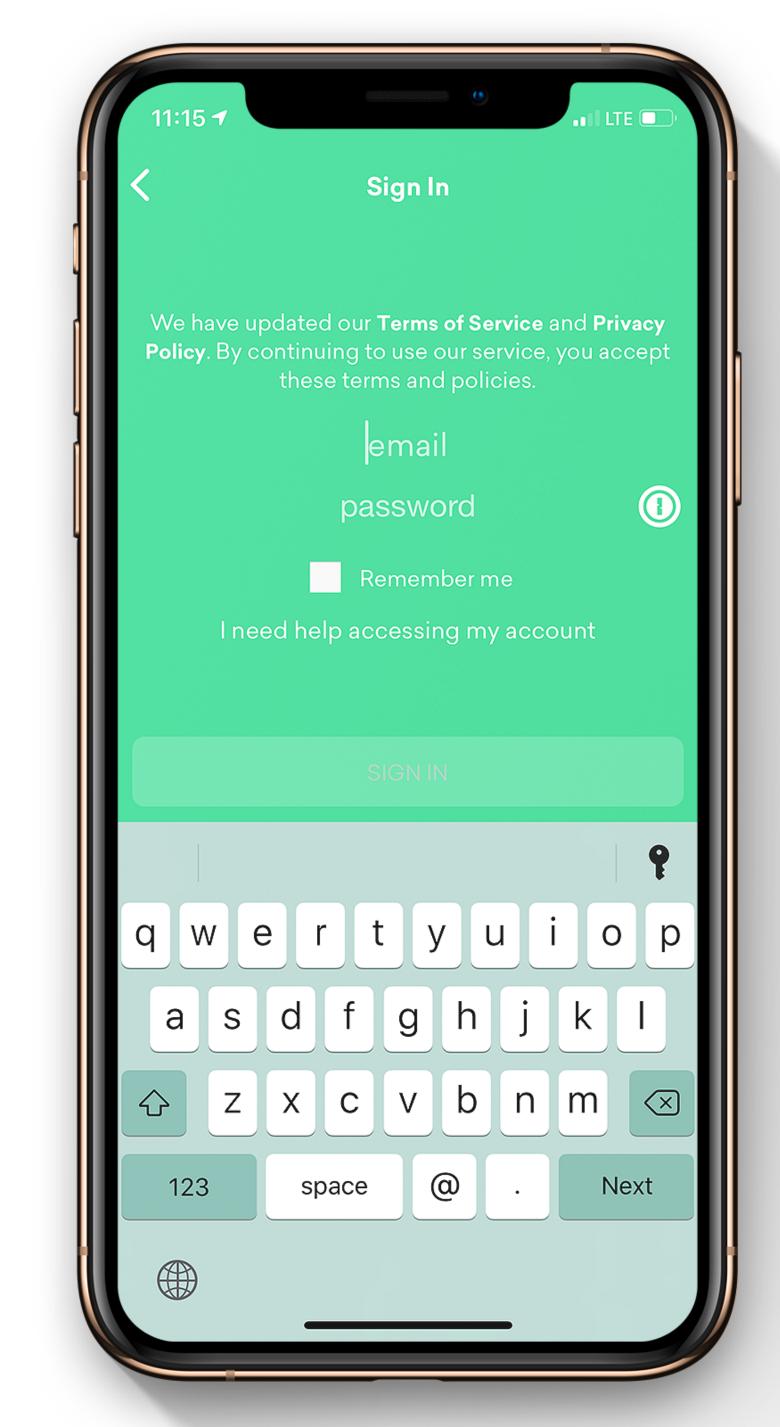
Data shared with aaronpk will be governed by Aaron Parecki's privacy policy and terms of service. You can revoke this consent at any time in your Fitbit account settings. More information about these permissions can be found here.

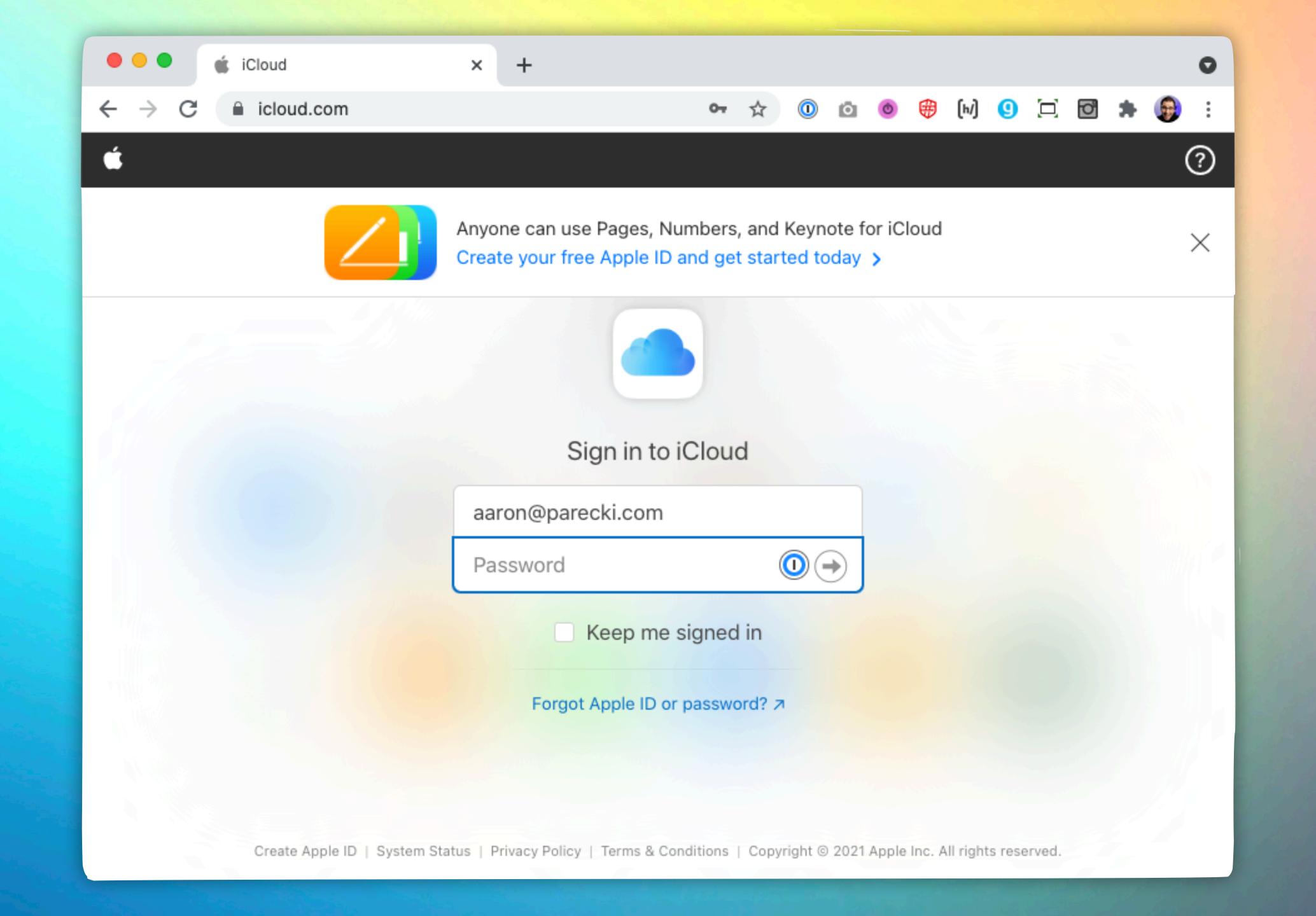


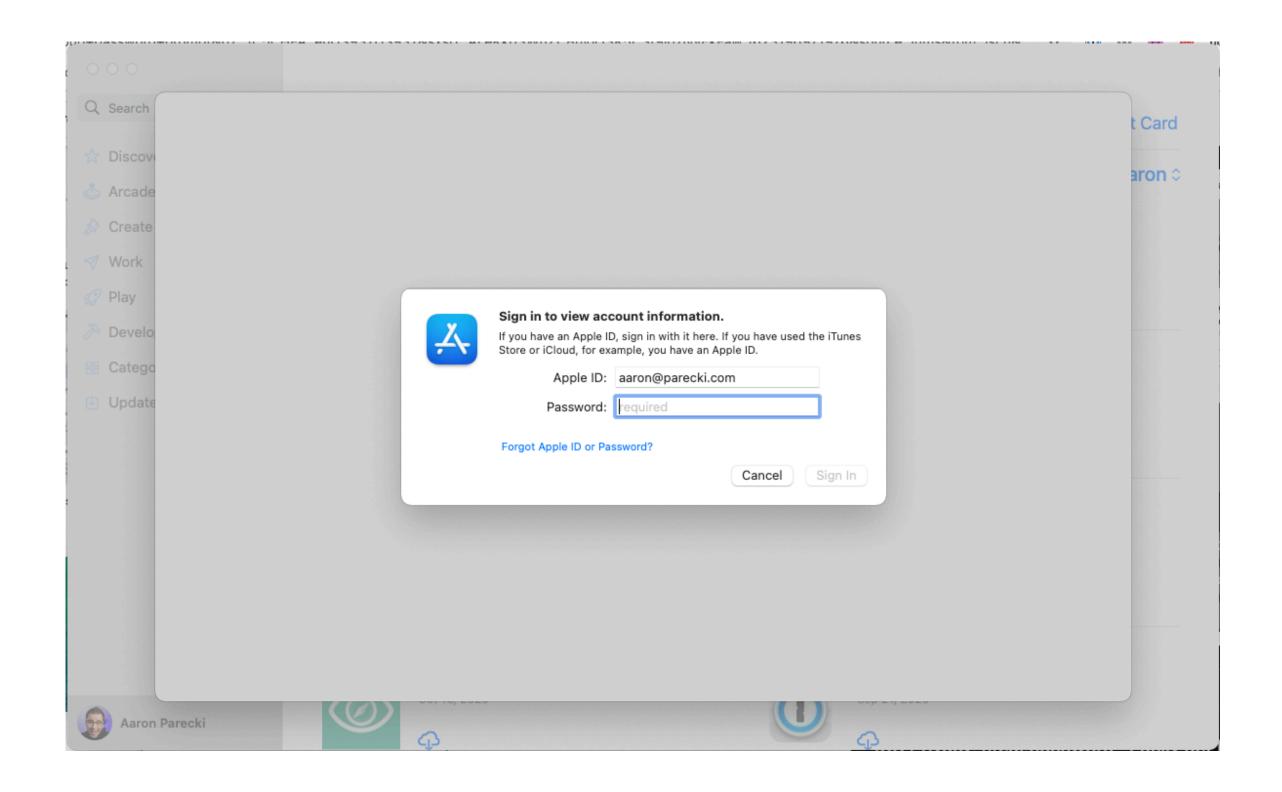
Signed in as aaron@parecki.com Not you?

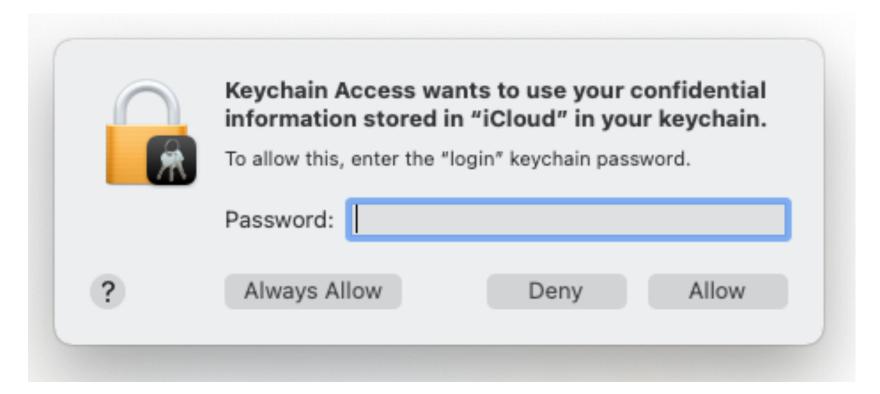
WHATABOUT FIRST-PARTY APPS?

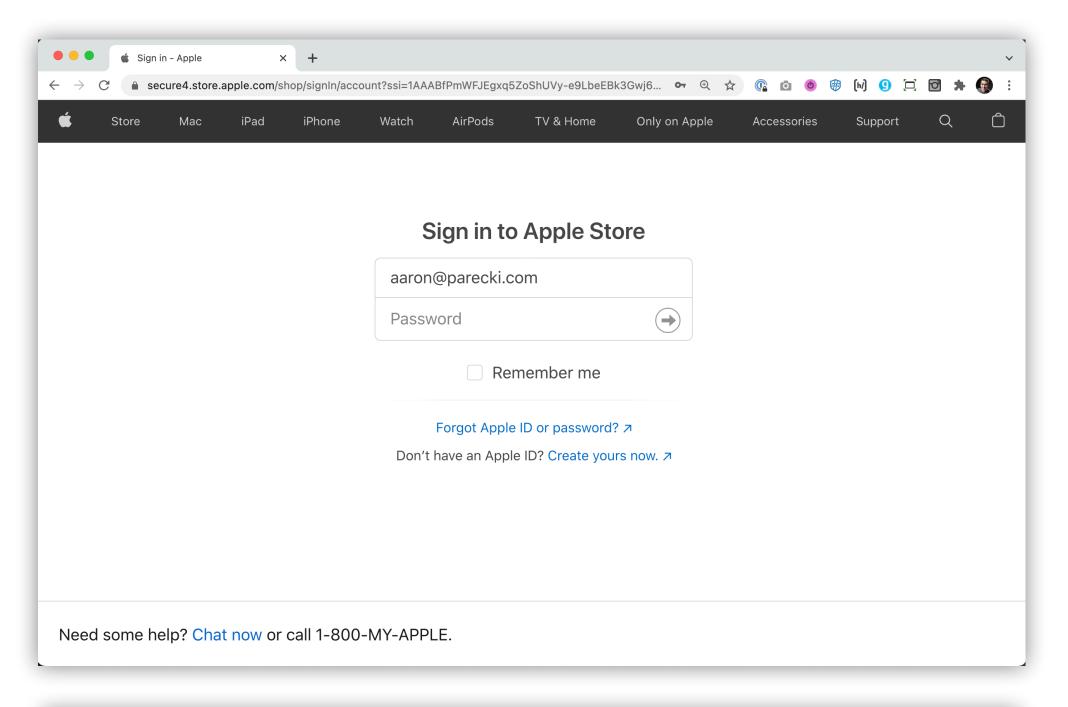


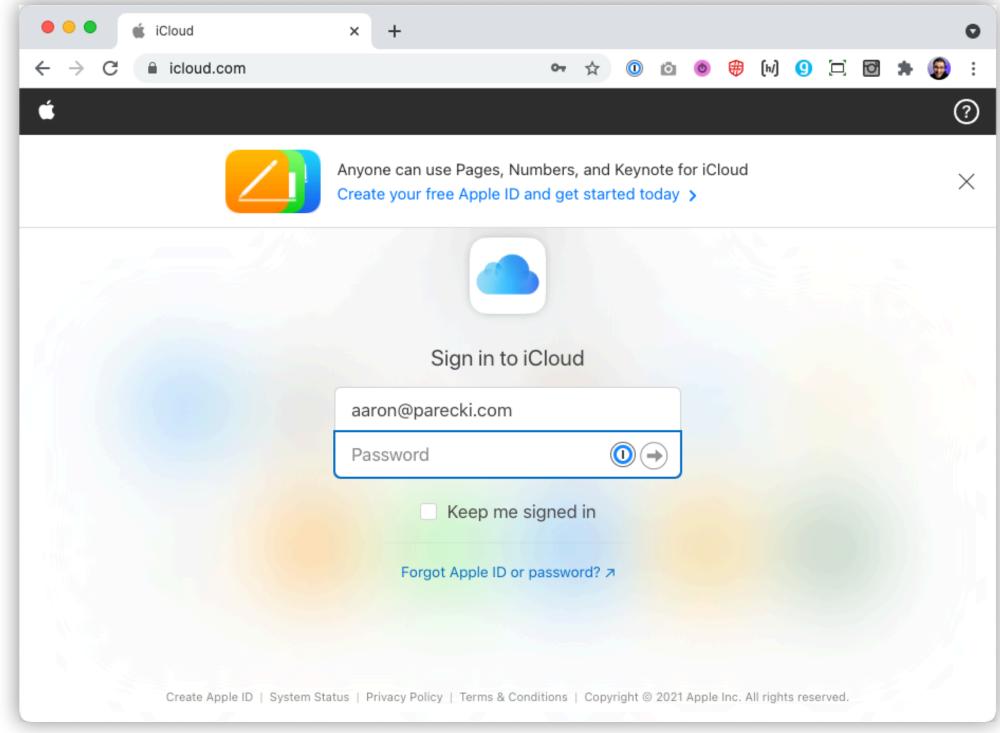


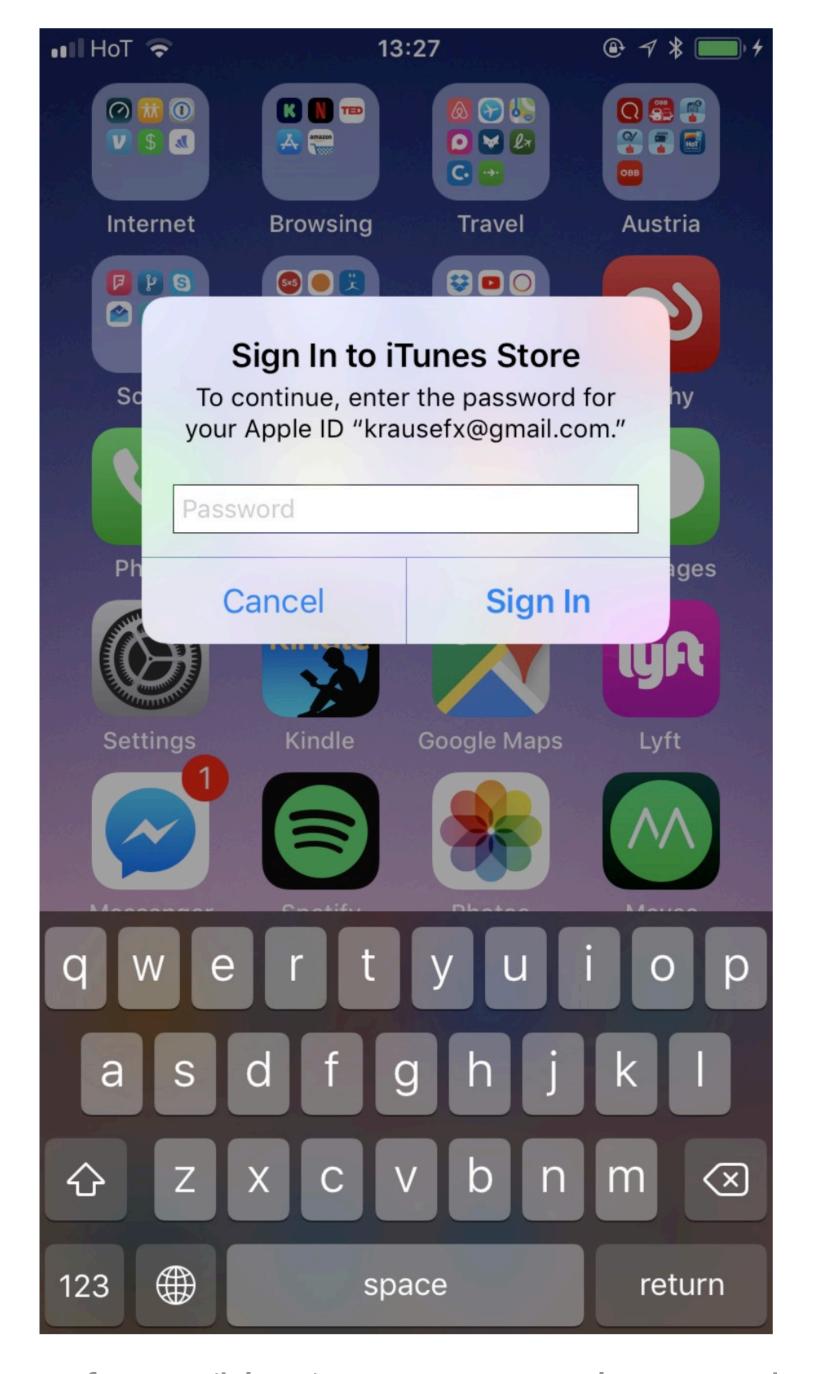


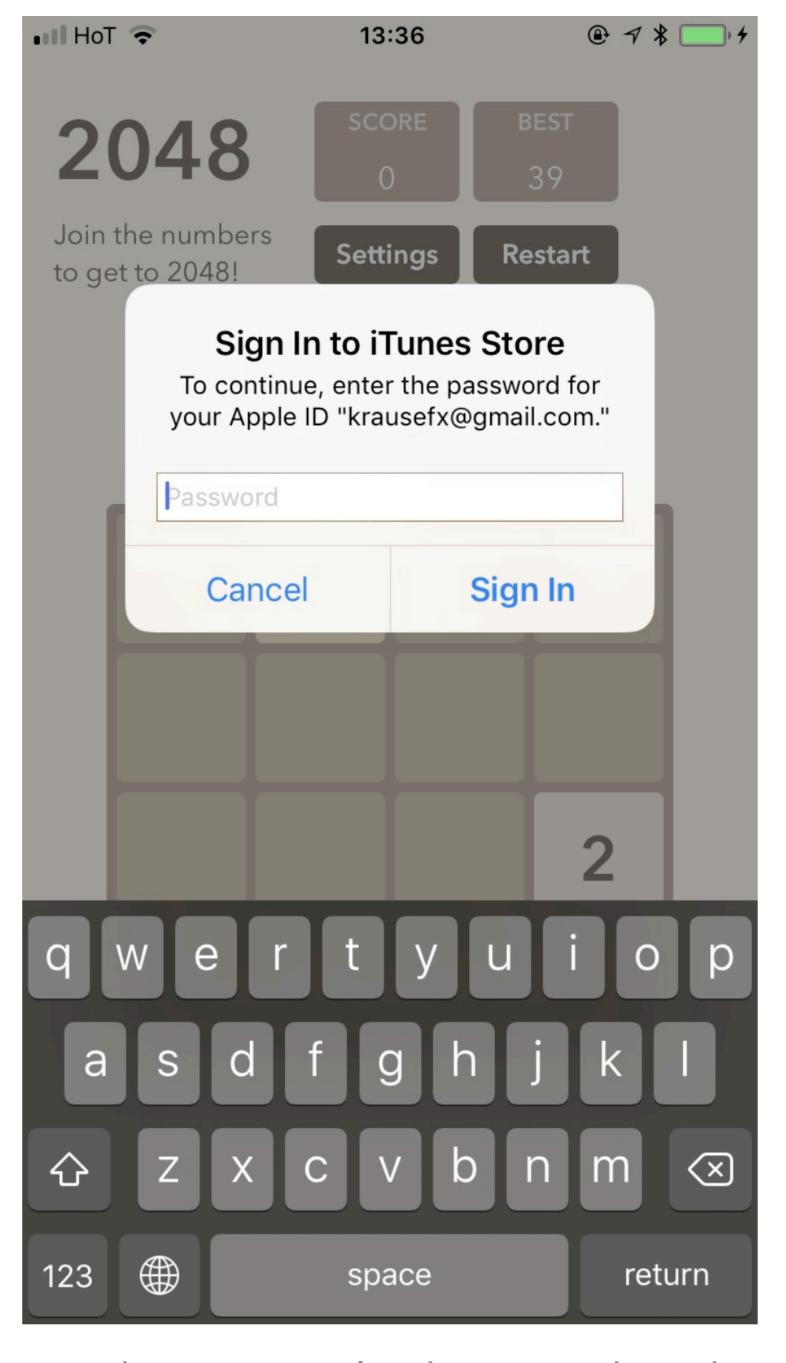




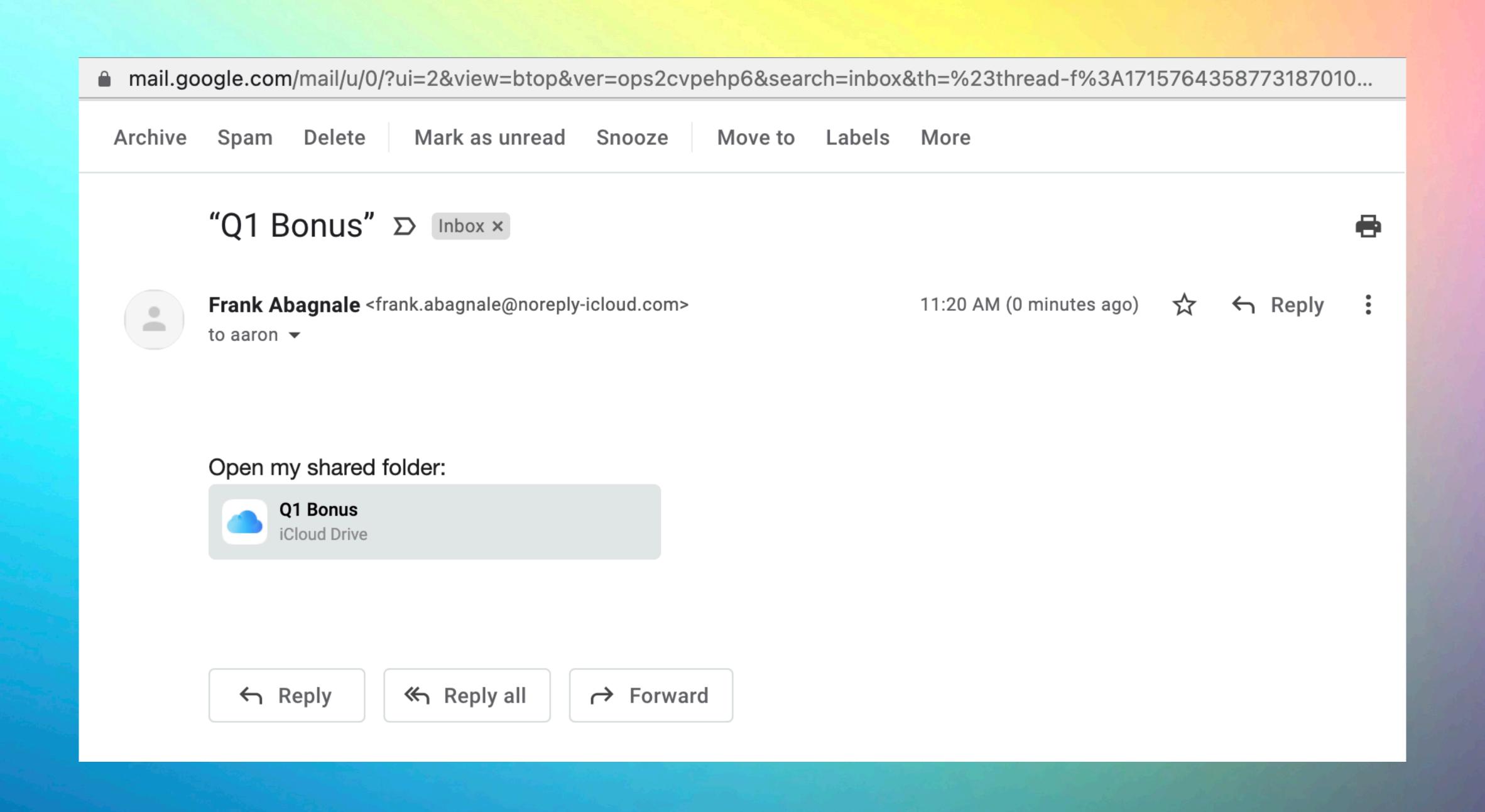


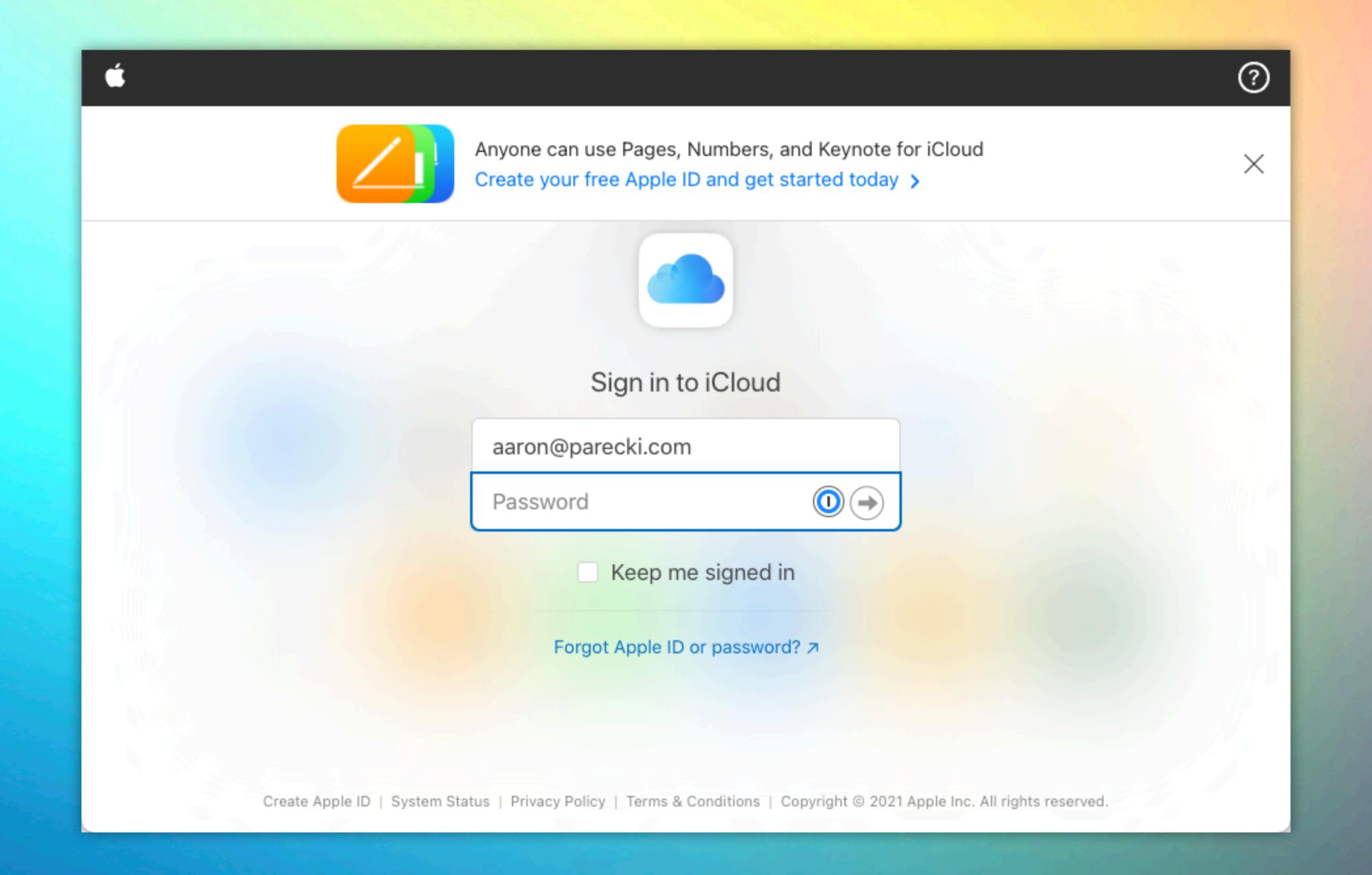


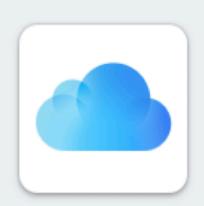




https://krausefx.com/blog/ios-privacy-stealpassword-easily-get-the-users-apple-id-password-just-by-asking







Your Apple ID is being used to sign in to a new device.

Enter this verification code on the web to sign in. Don't share it with anyone.

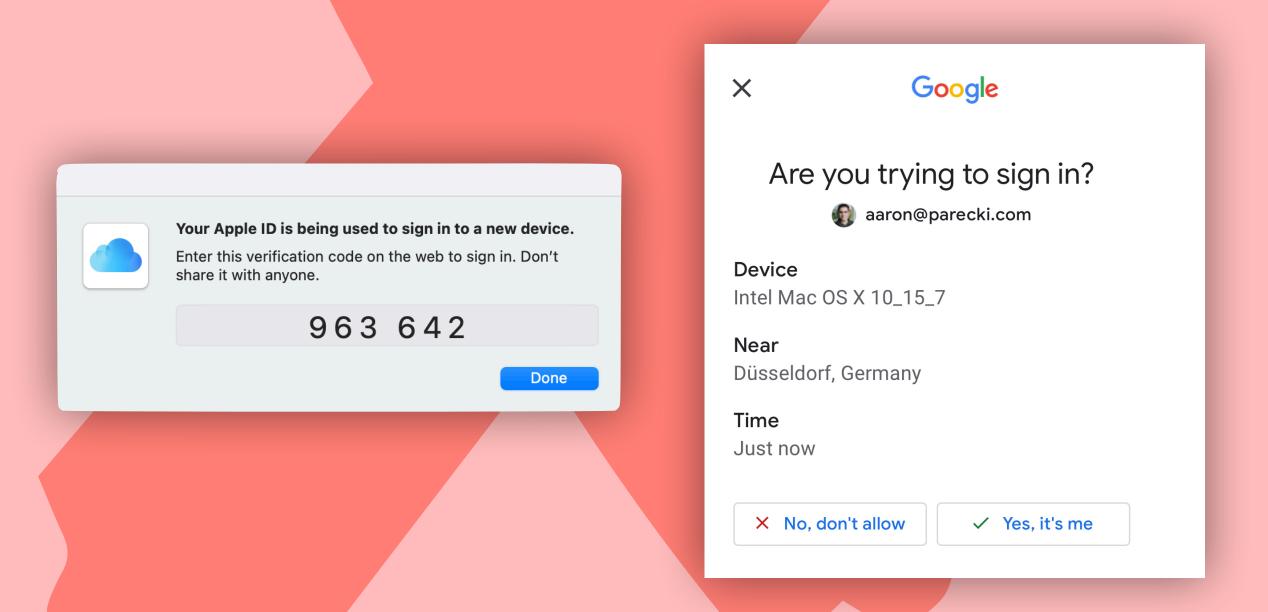
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Done

THENWHATGOOD IS MULTI-FACTOR AUTHENTICATION?

Phishable MFA

678328 is your Microsoft Azure verification code



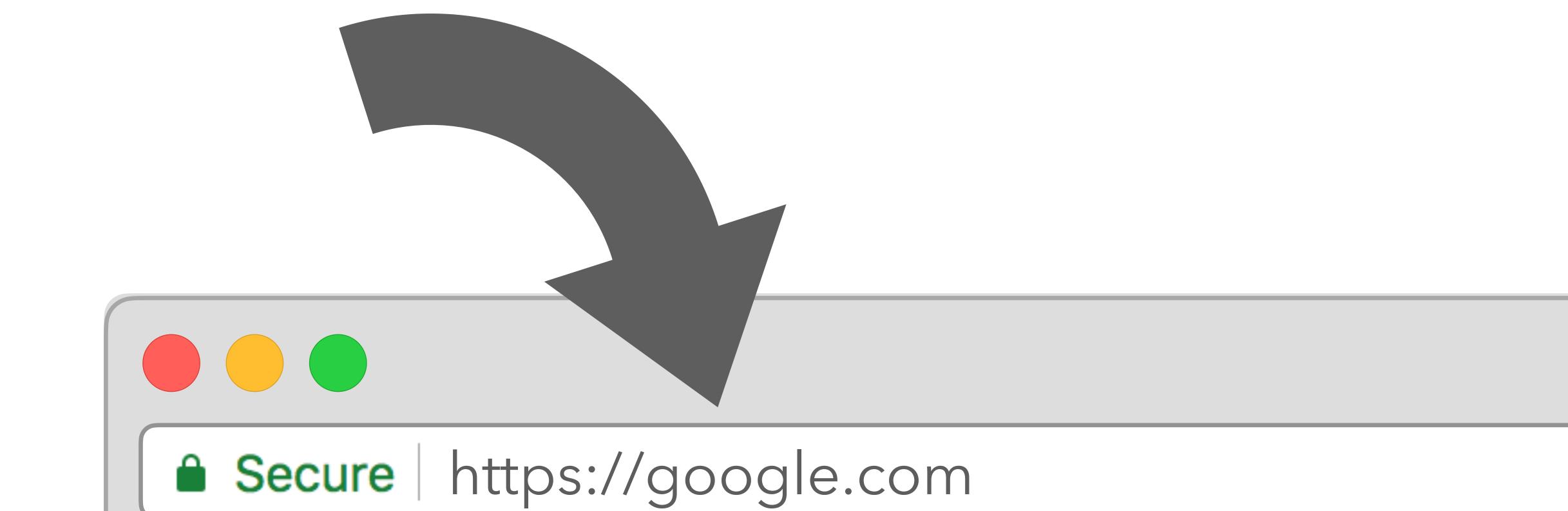
Non-Phishable MFA

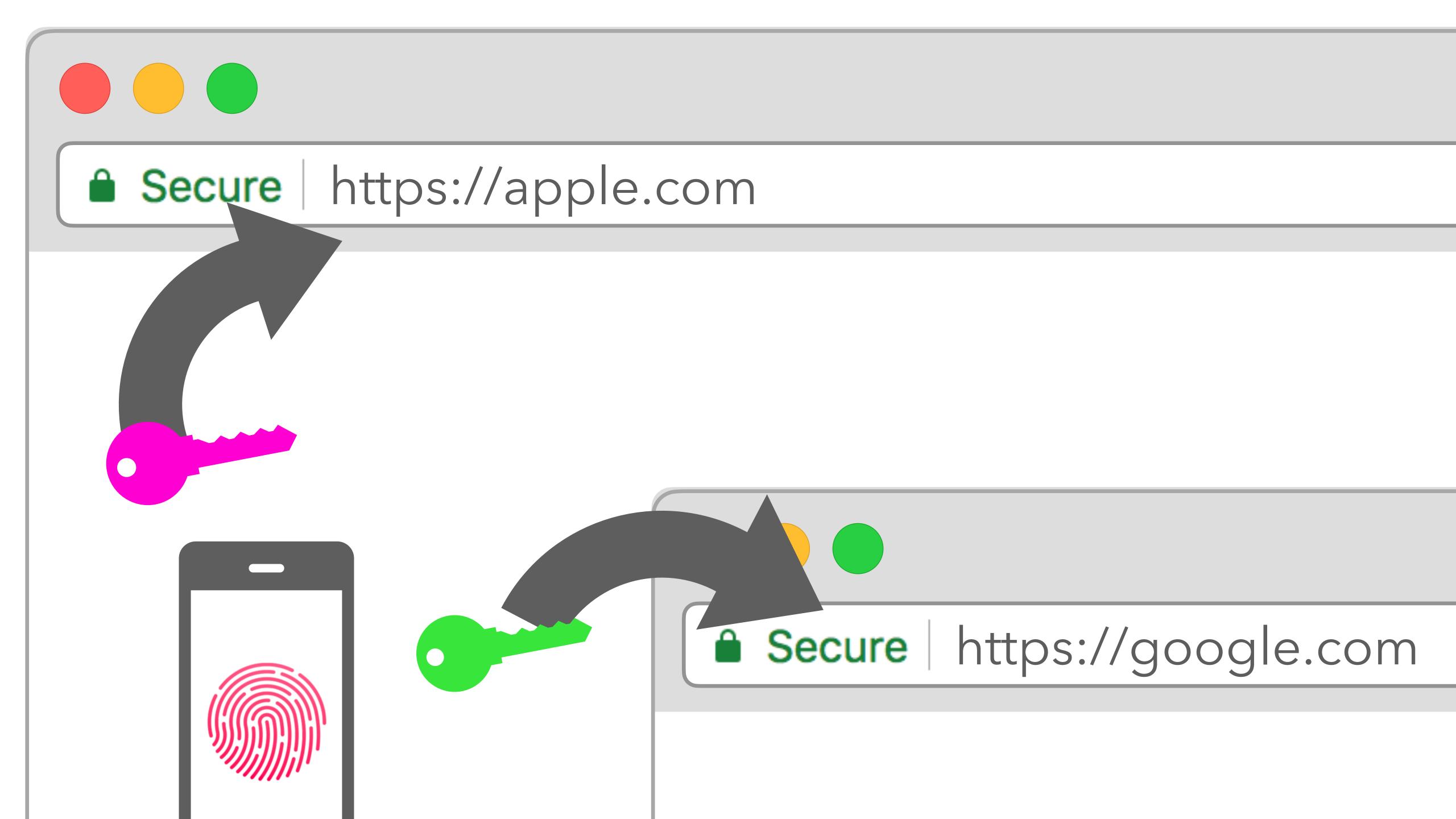


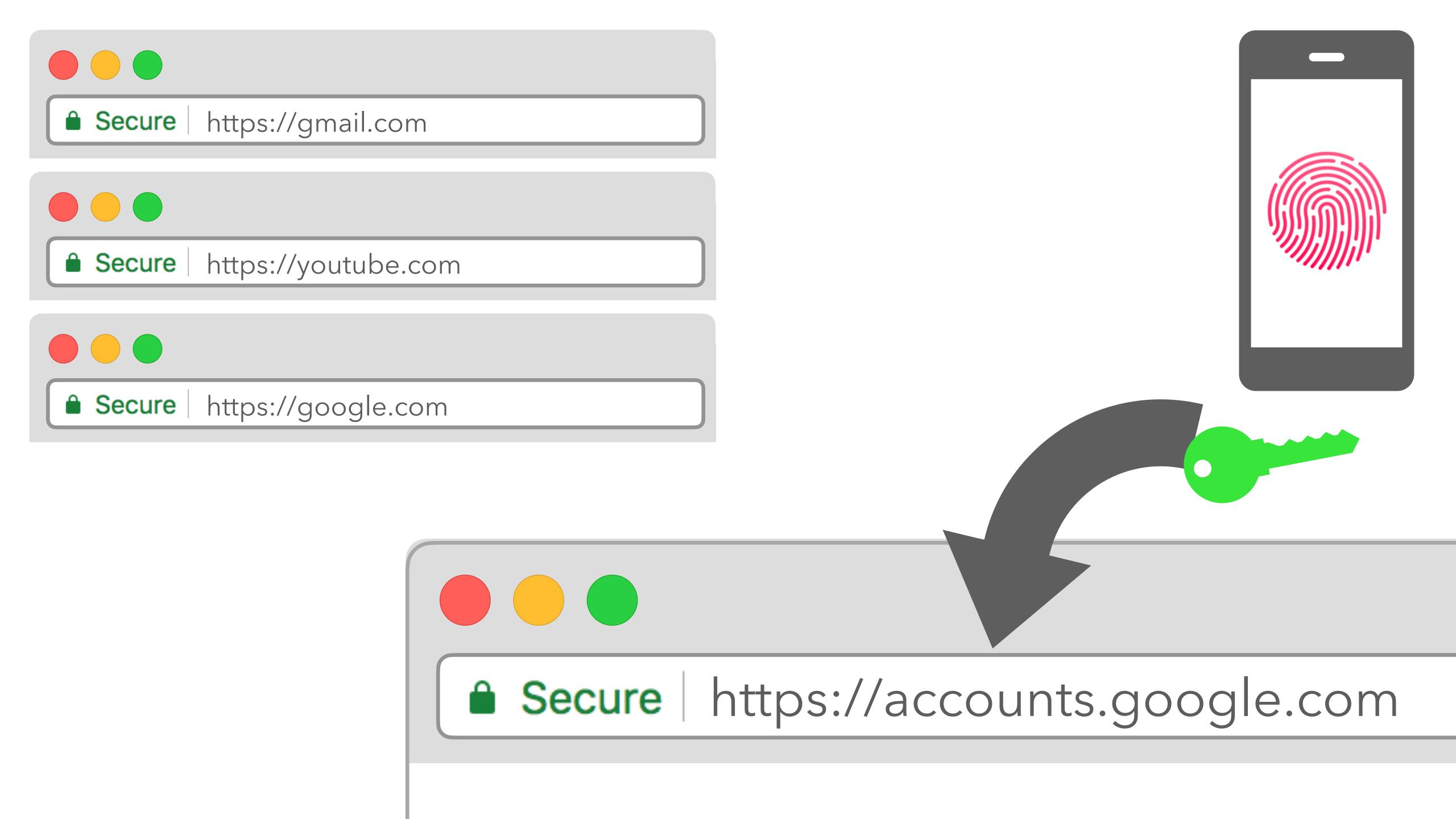
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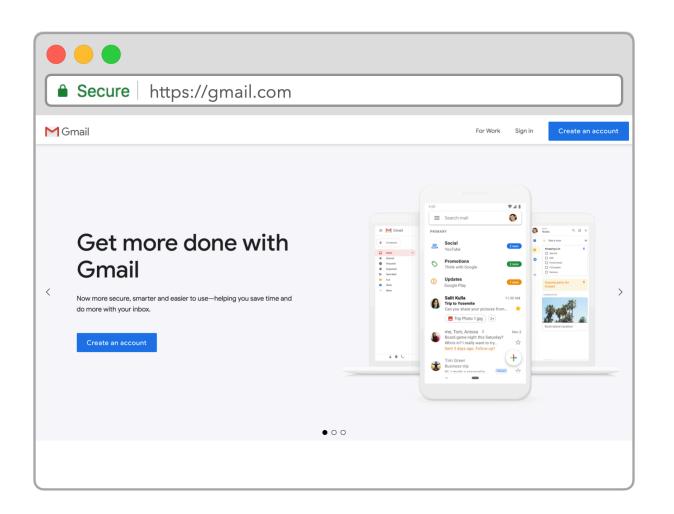


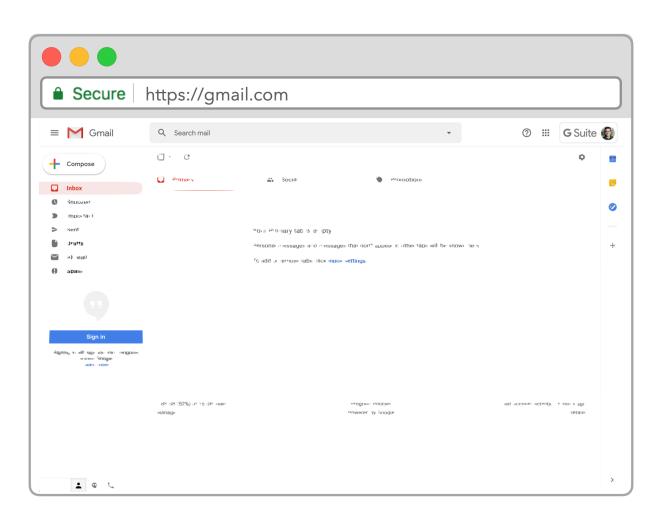


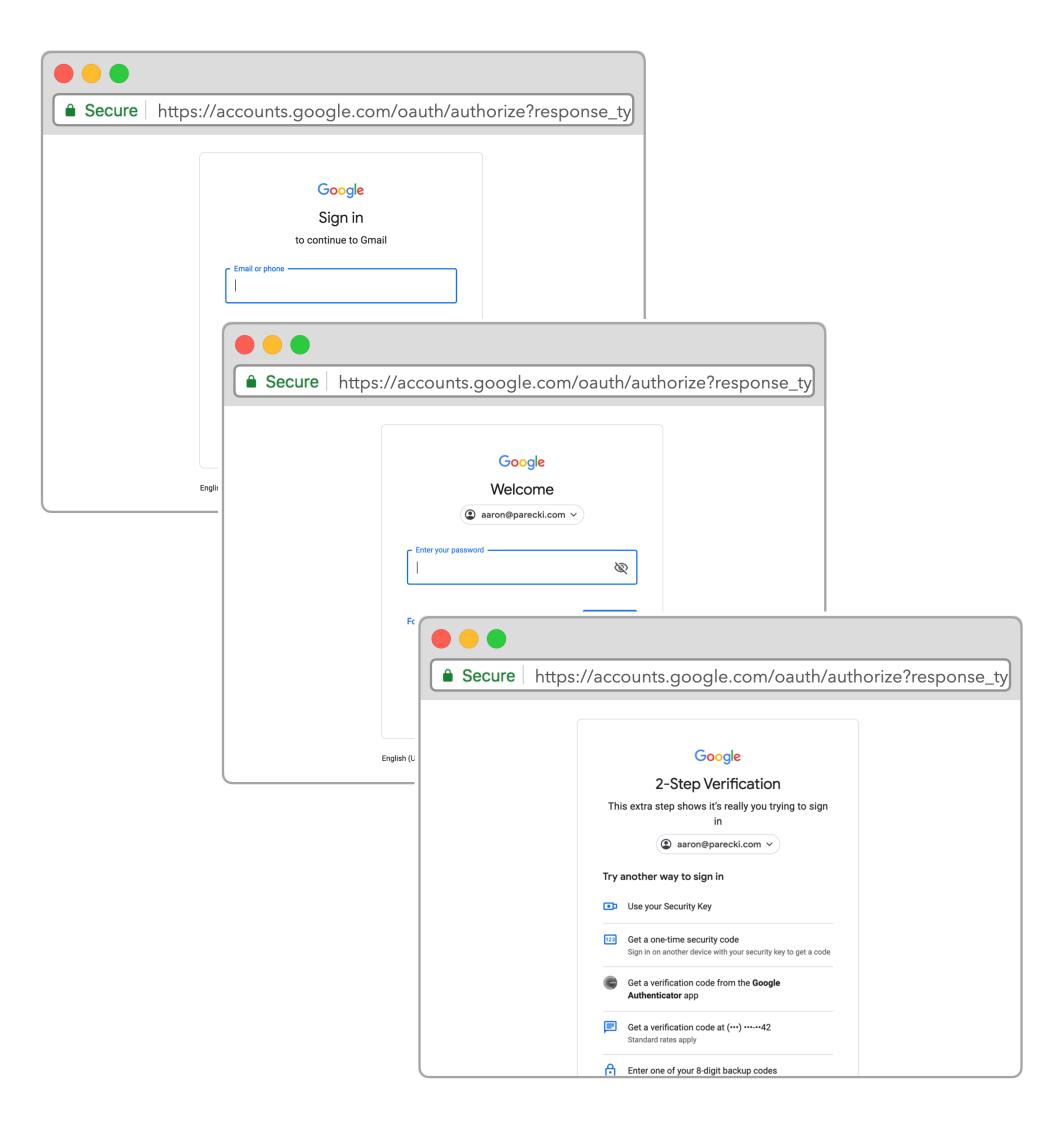






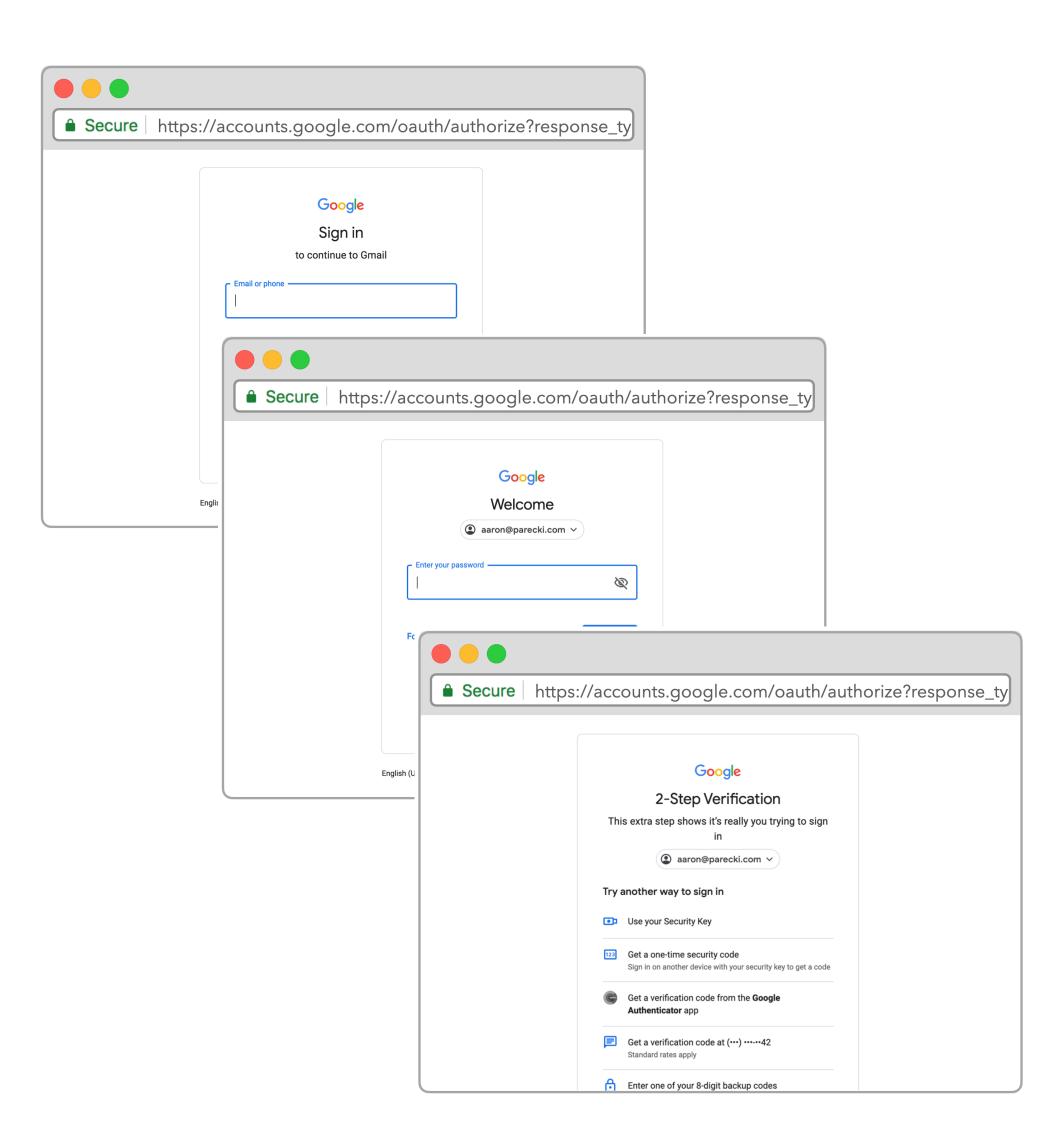






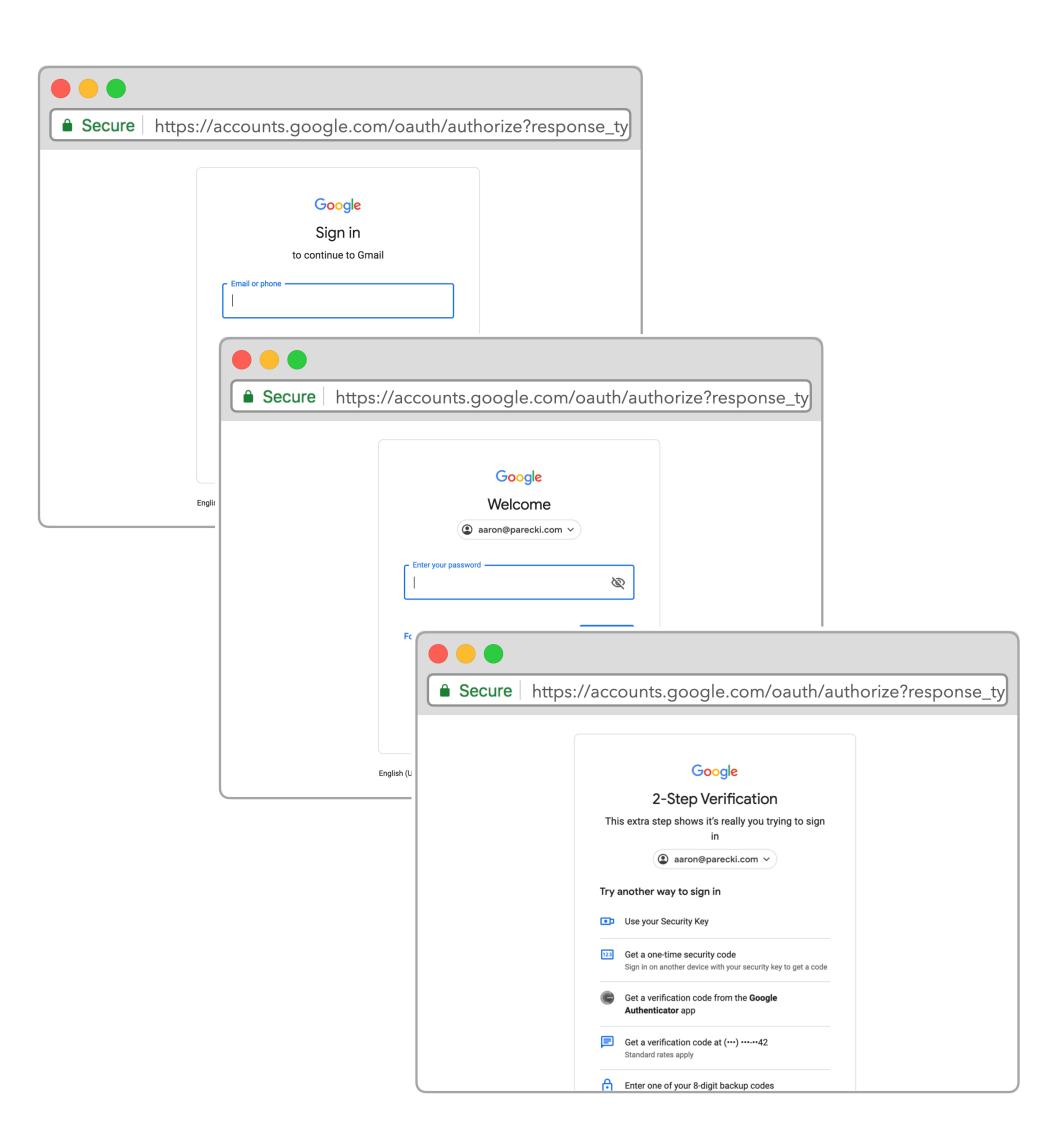




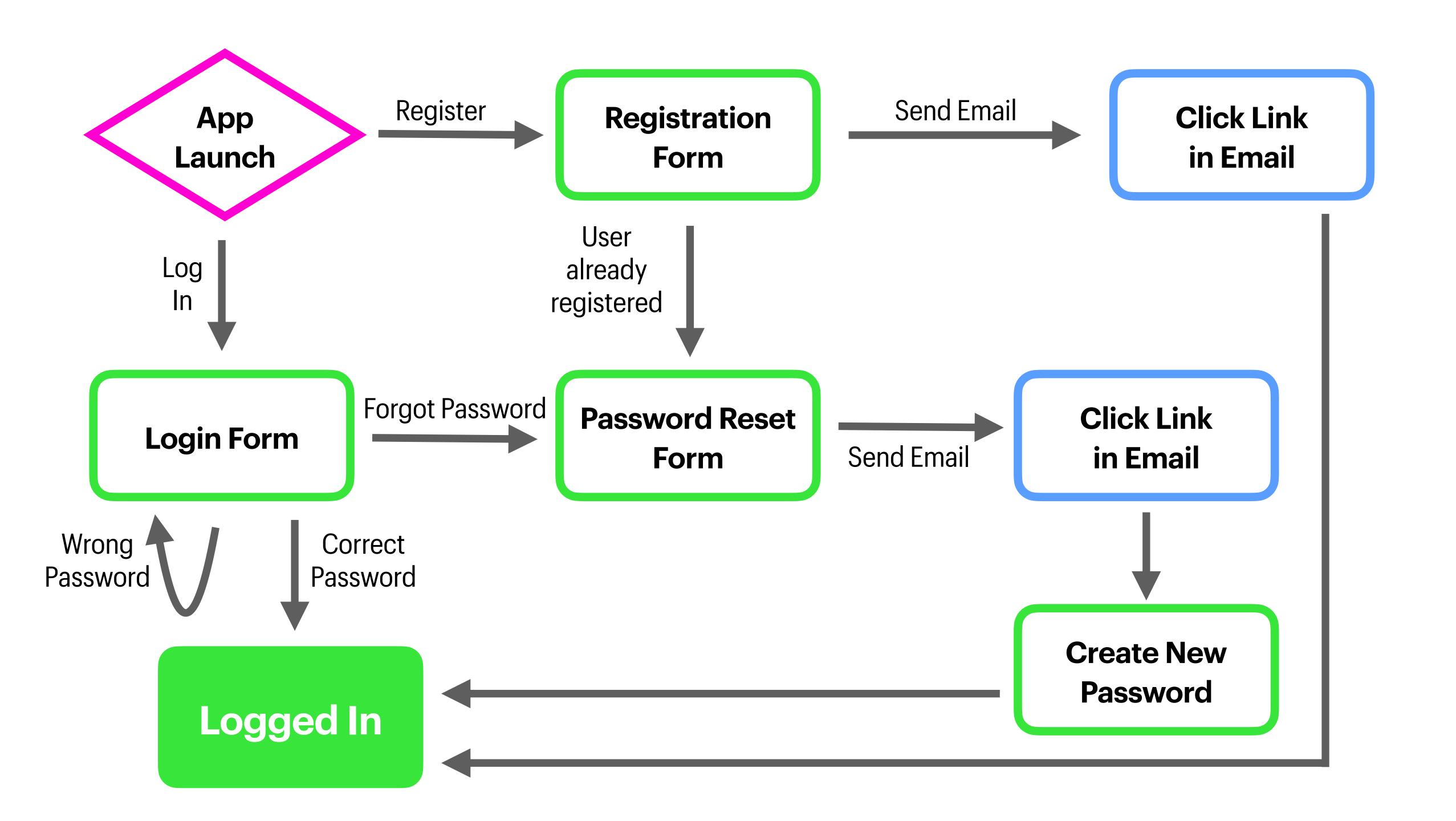


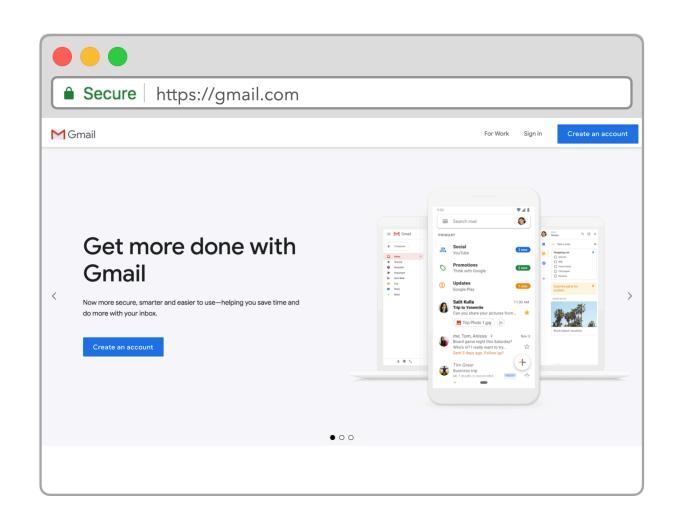


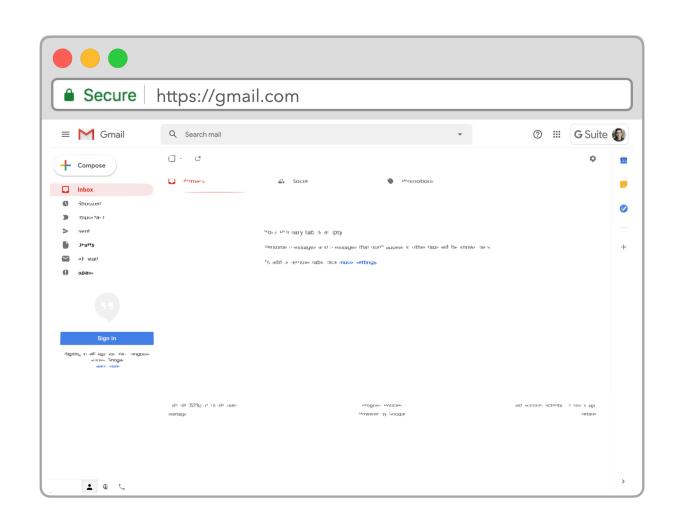


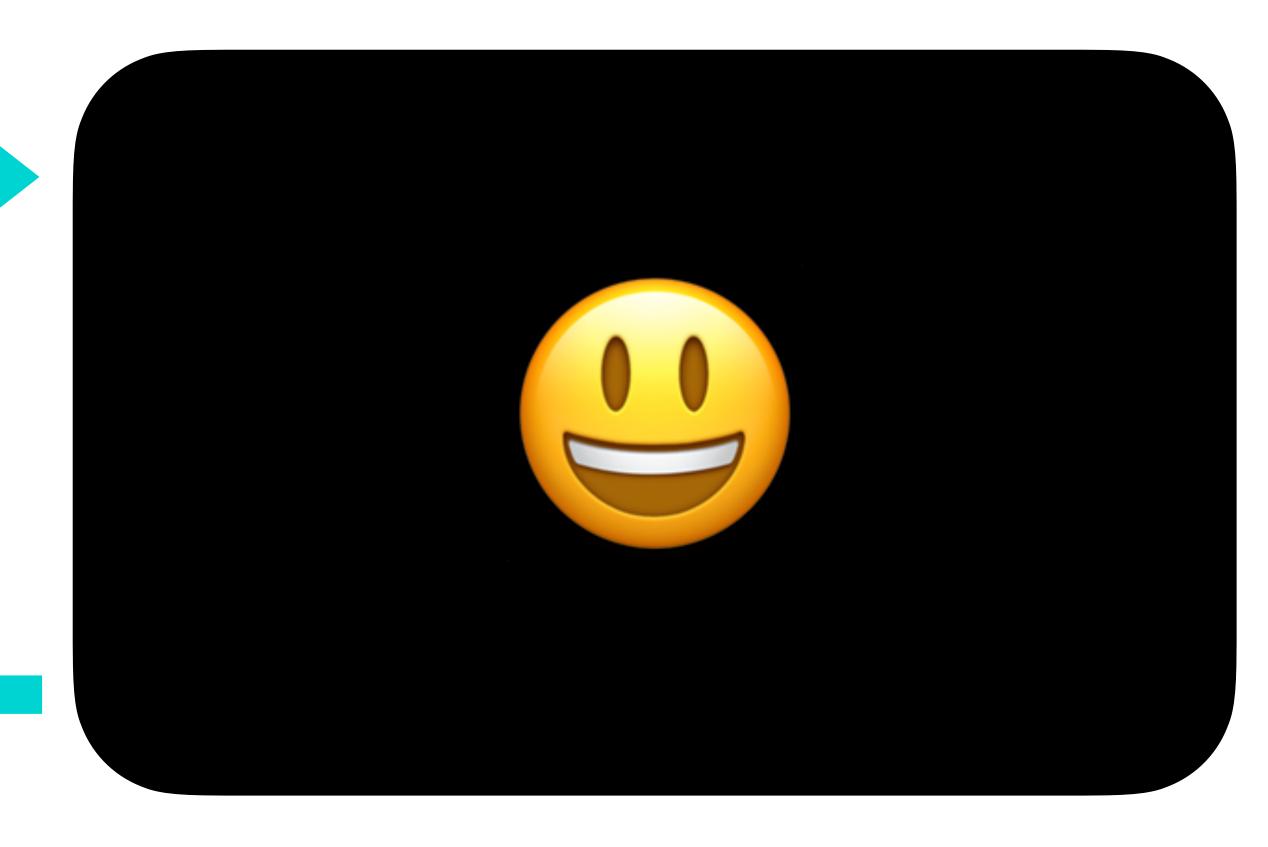


REGISTRATION AND ACCOUNT RECOVERY











OAUTH PROVIDES ACCESS TO DATA







WHATISTHISTHEN?

f Sign in with Facebook

& Sign in with Google

Sign in with LinkedIn

Sign in with Twitter

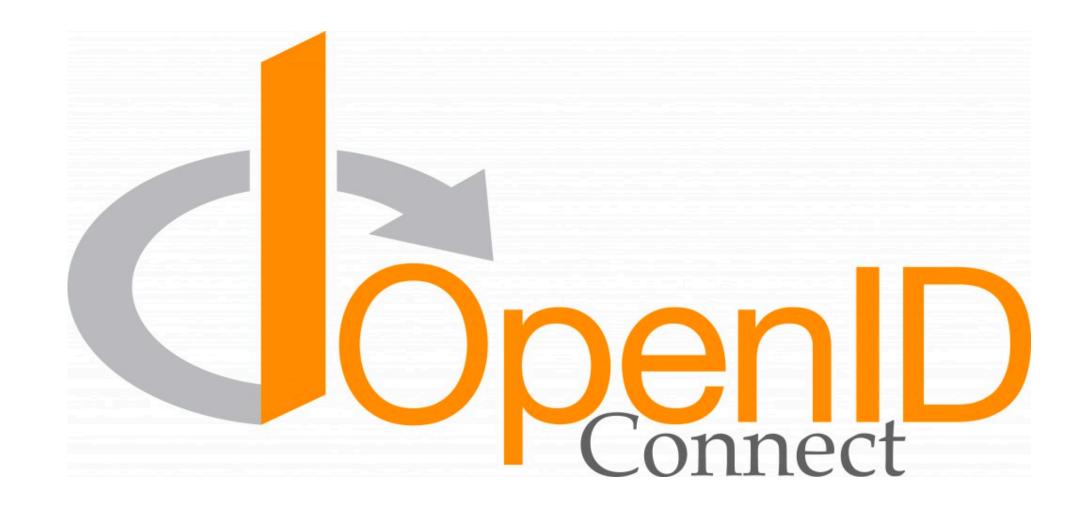


t custom stuff



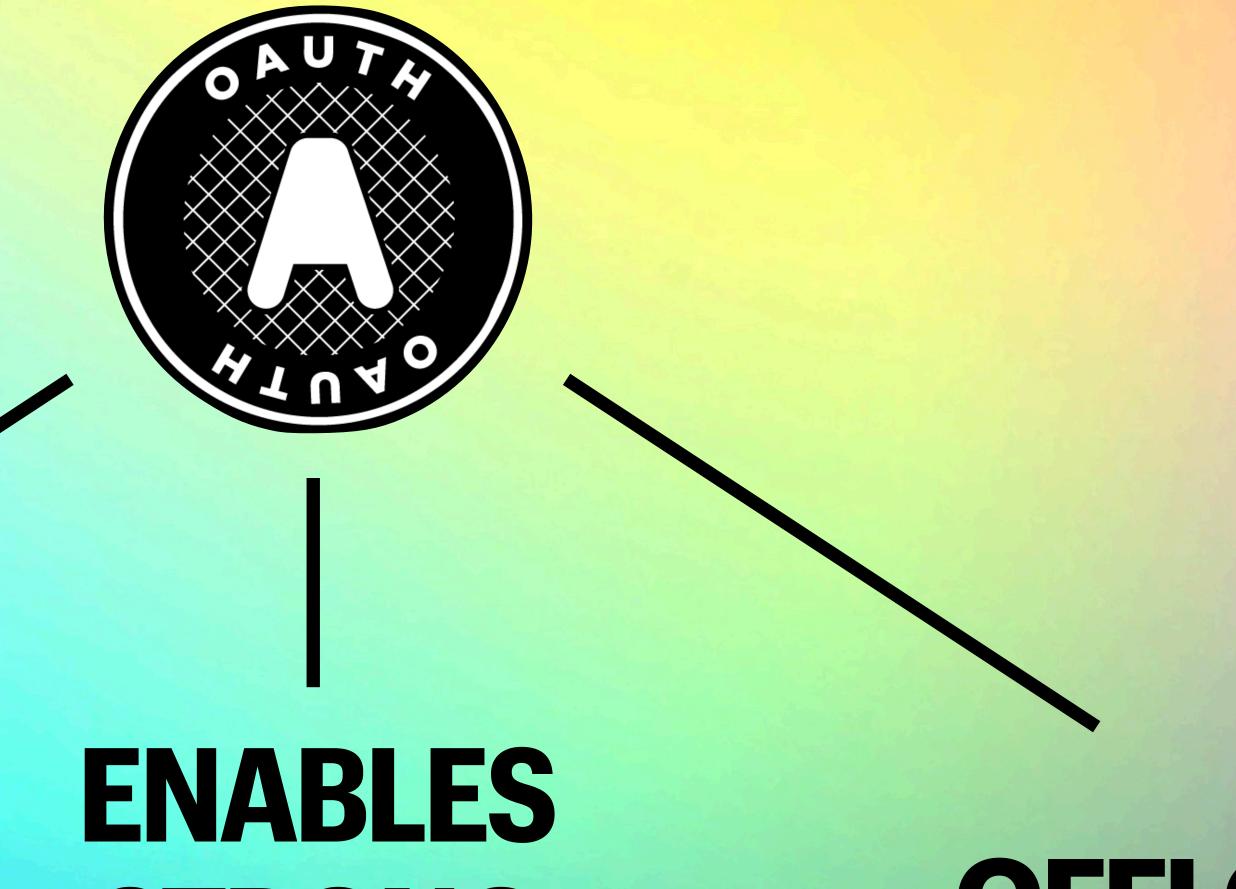






Accessing APIs

Identification



AVOIDS HANDLING PASSWORDS ENABLES
STRONG
MULTI-FACTOR
AUTH

OFFLOADS COMPLEXITY

GETTINGSTARTED



oauth.net

specs, extensions and links to resources

Oauth.Wtf
my video course and book

OAUTH 2.1

The OAuth 2.1 Authorization Framework draft-ietf-oauth-v2-1-04

Abstract

The OAuth 2.1 authorization framework enables a third-party application to obtain limited access to an HTTP service, either on behalf of a resource owner by orchestrating an approval interaction

THANKAOUS



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AARONPK.COM
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