

A look into the future

Authentication & Authorization

Click here for a better
version of this talk!

Authentication

DaKnOb

Sign in

to continue

Email

Password

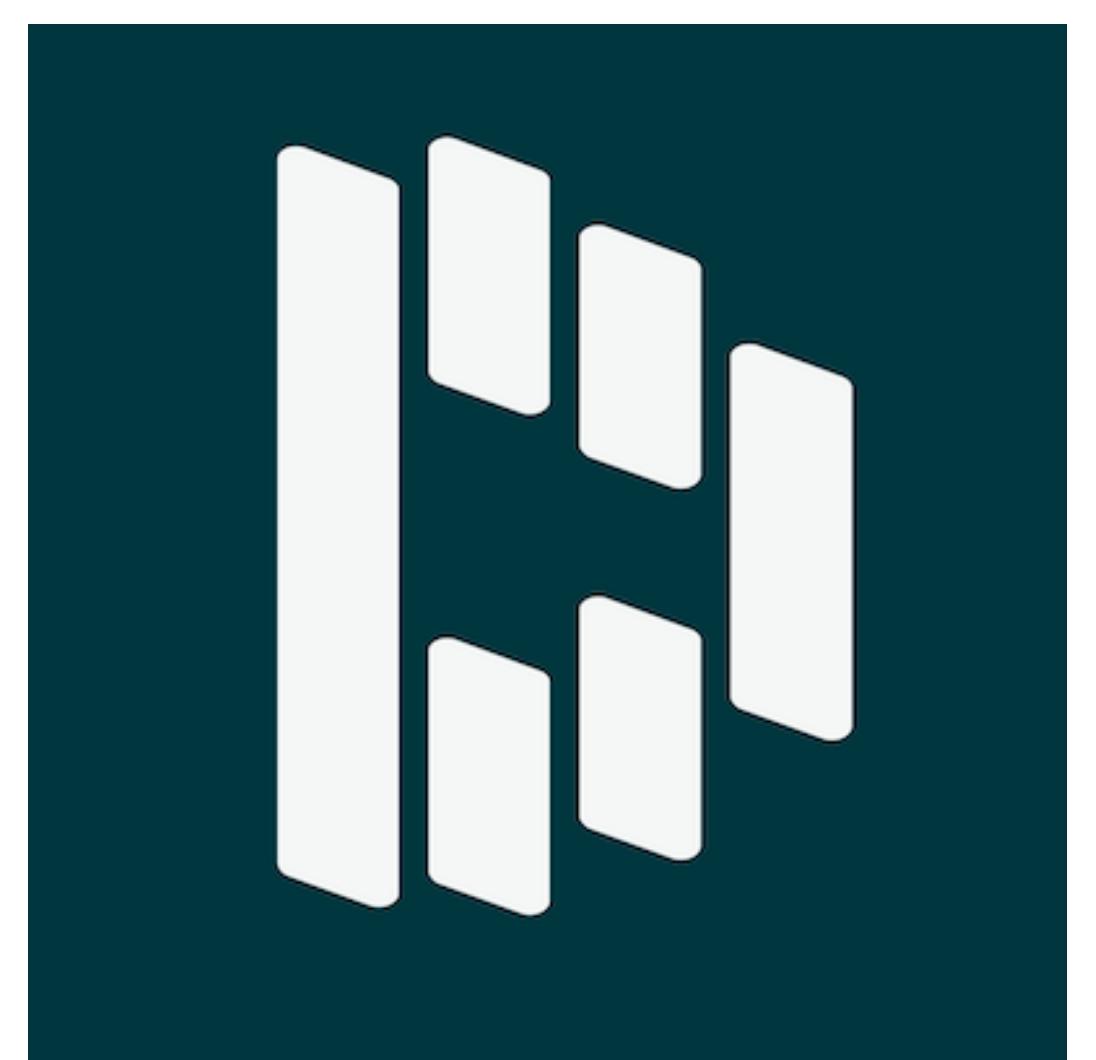
Sign in

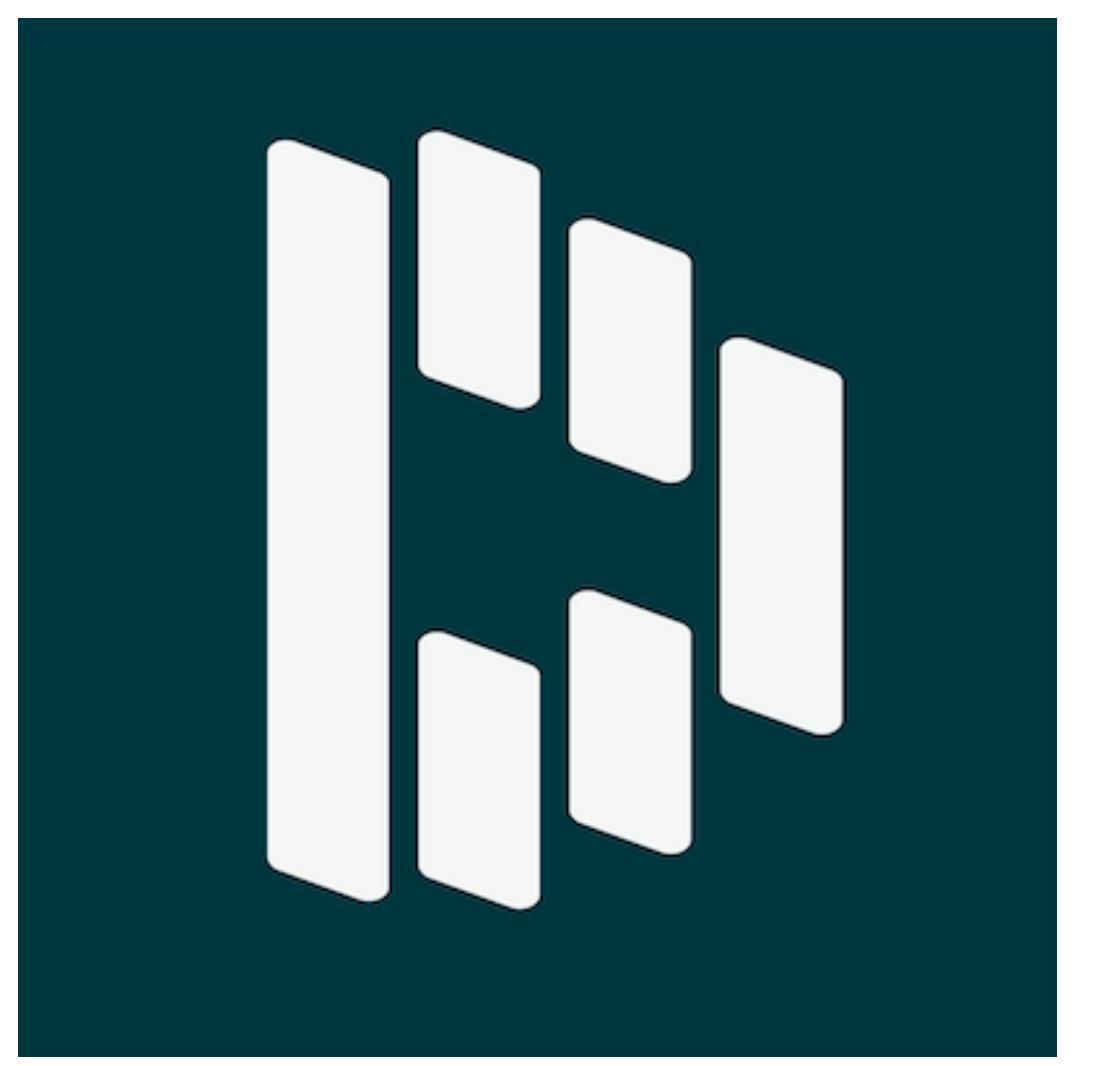
Password

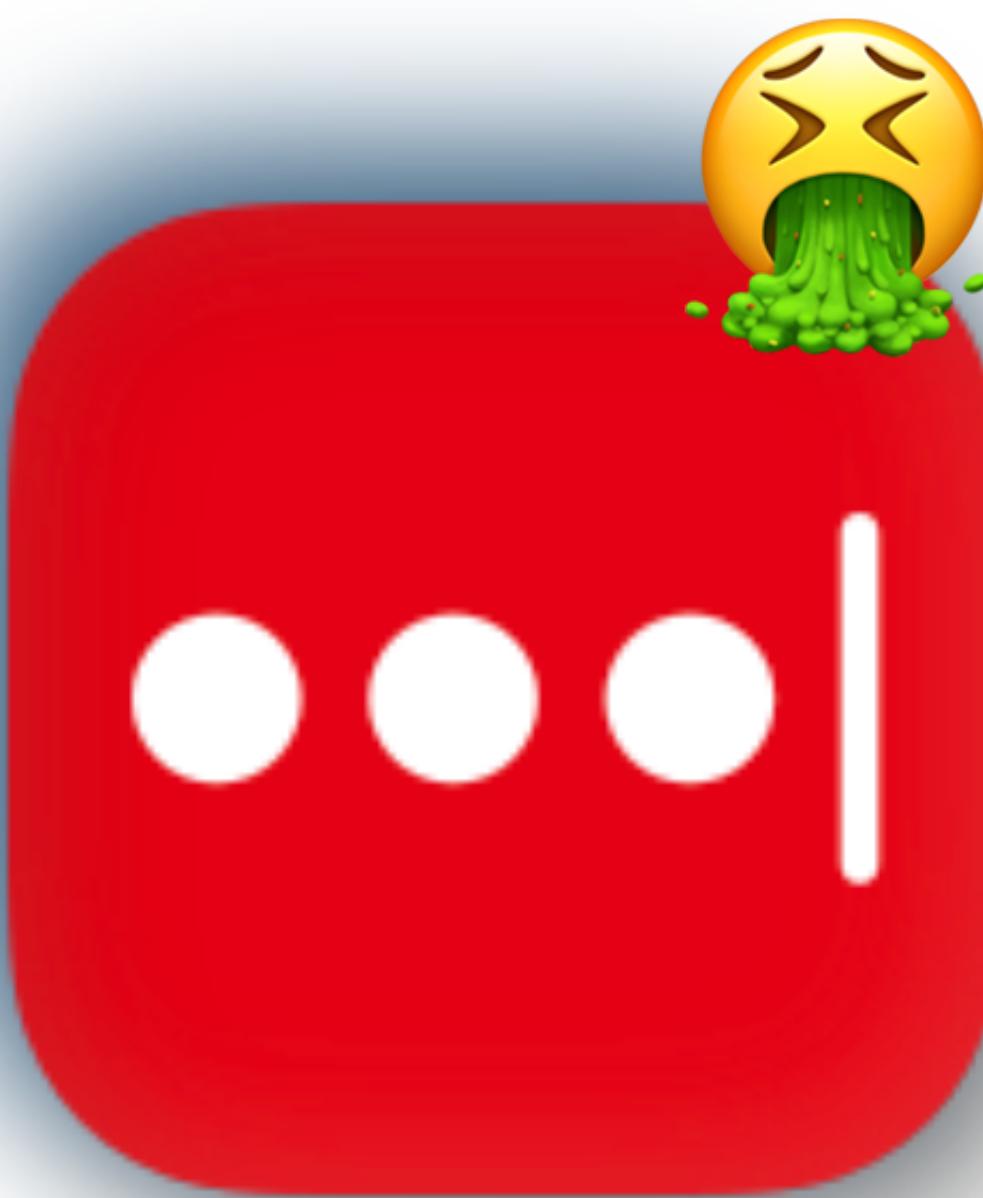
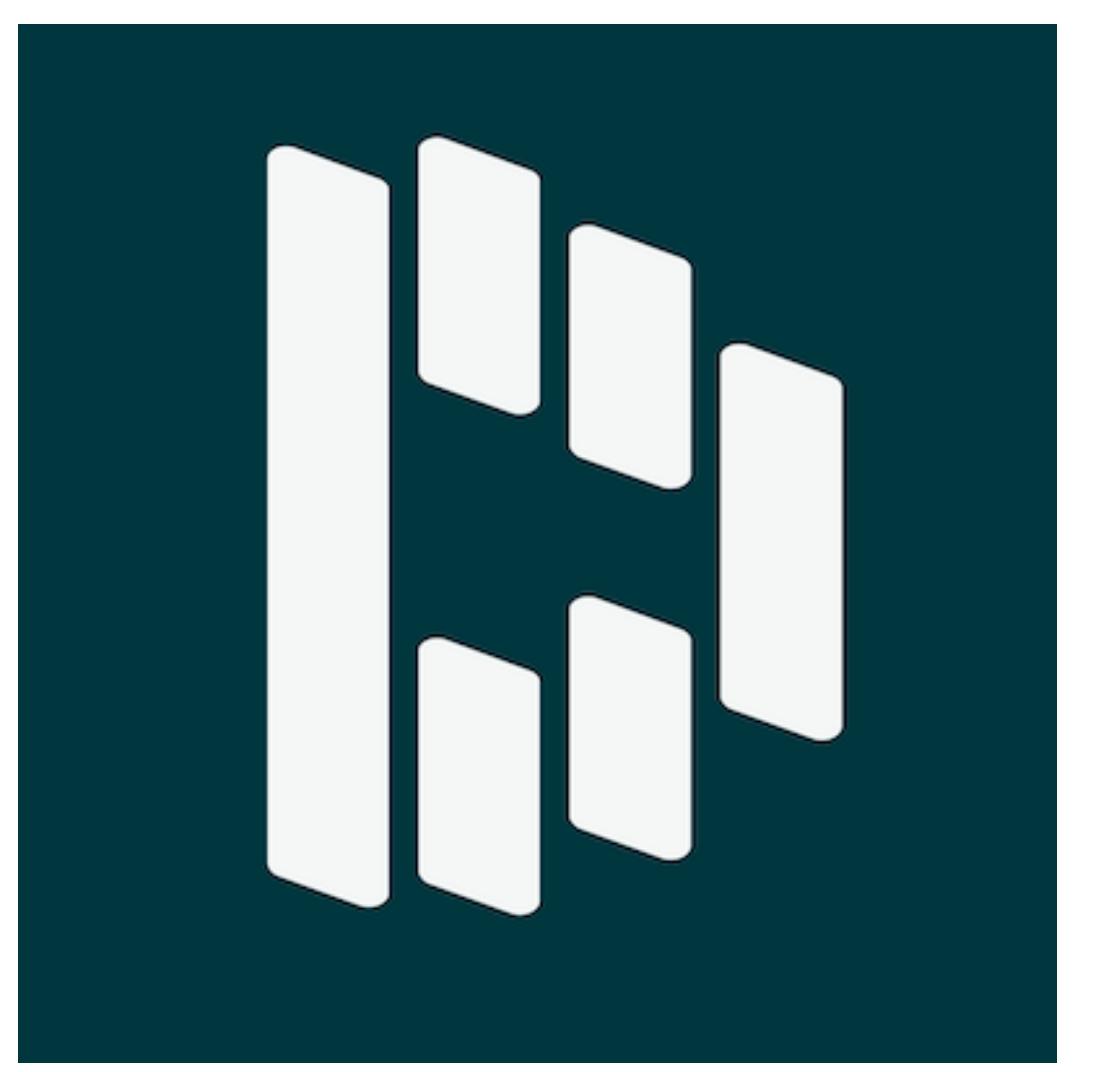
Passwords

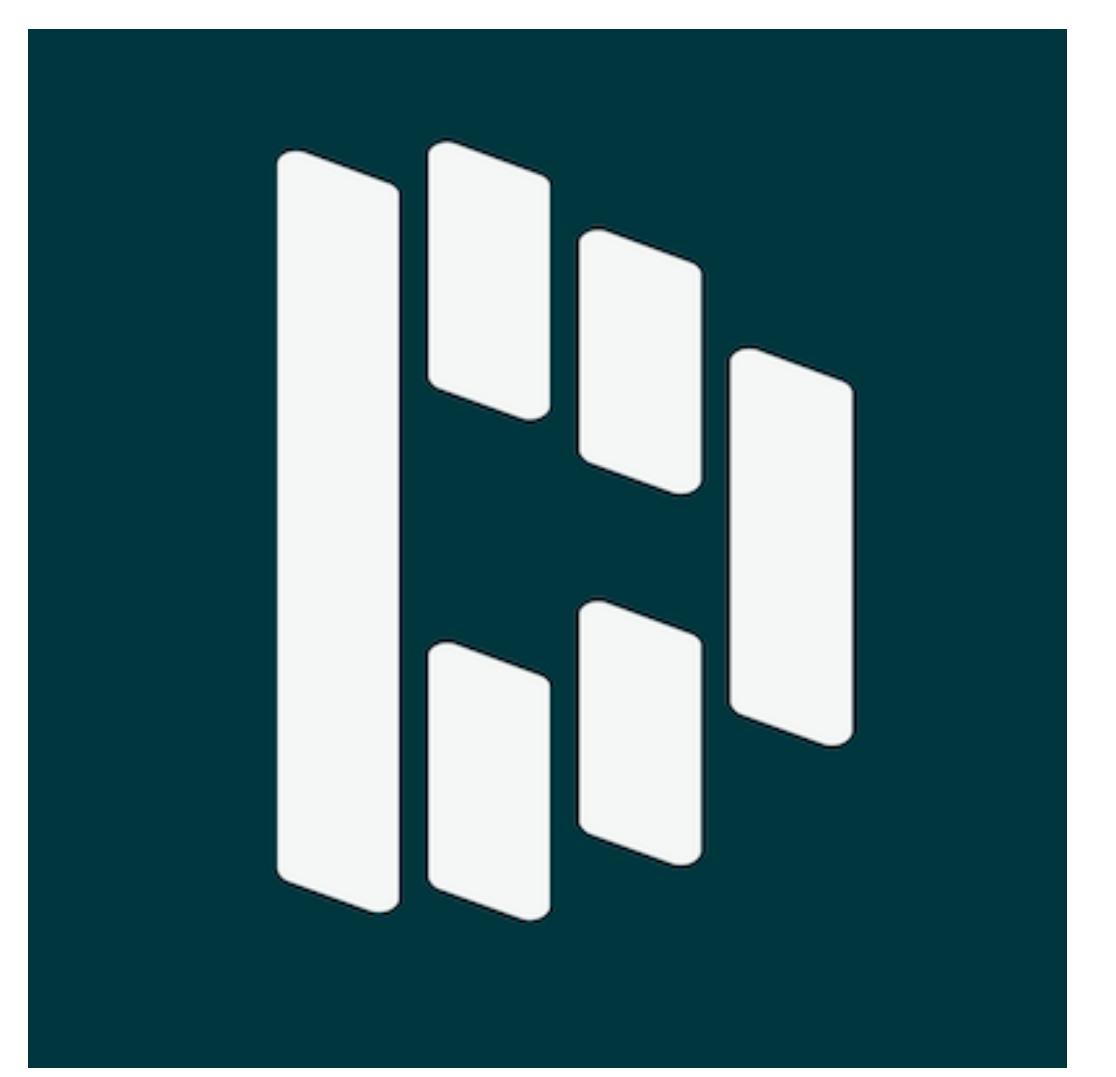
- Difficult to remember
- They leak
- They can be phished or stolen
- Proper use is difficult, even for professionals

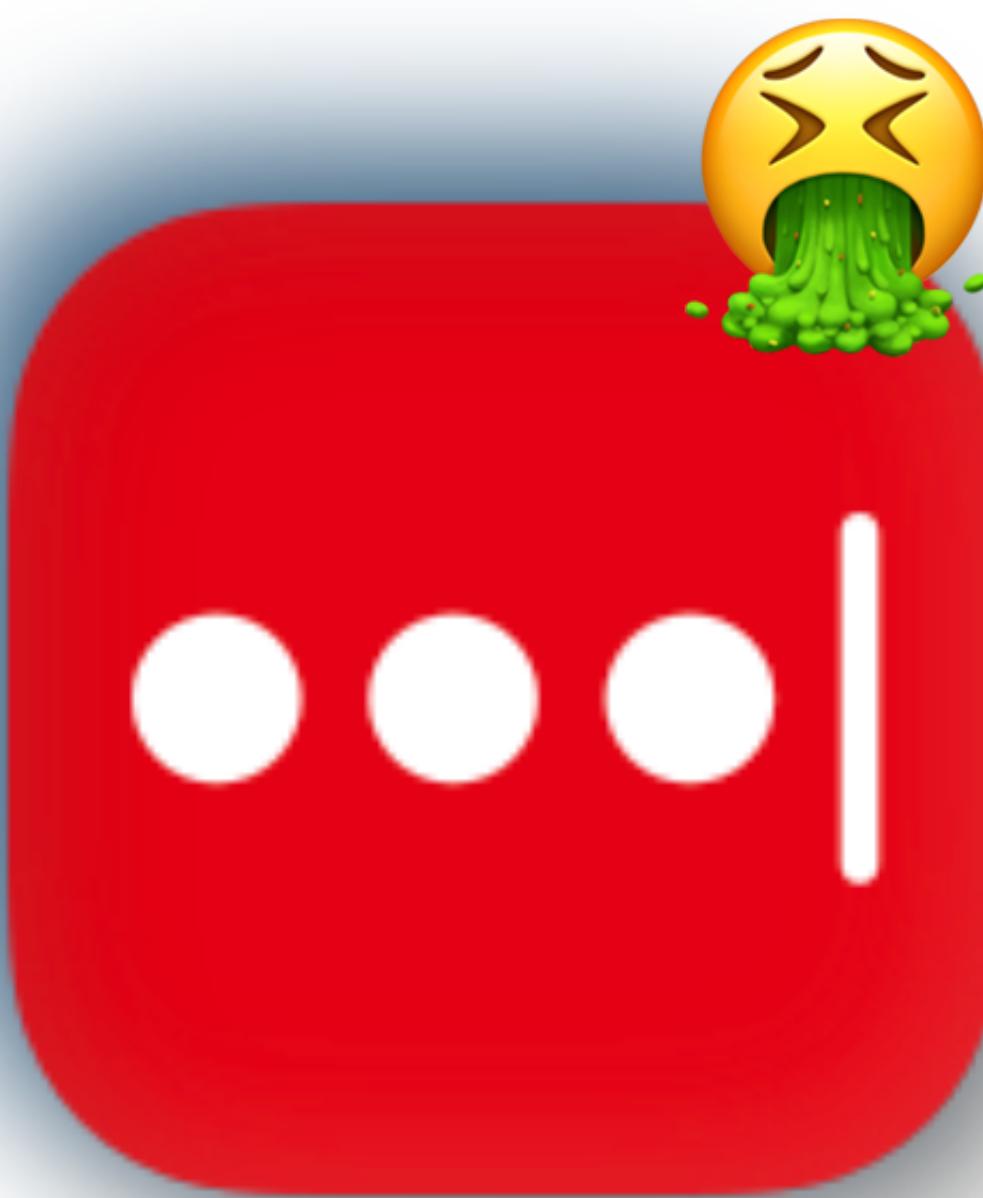
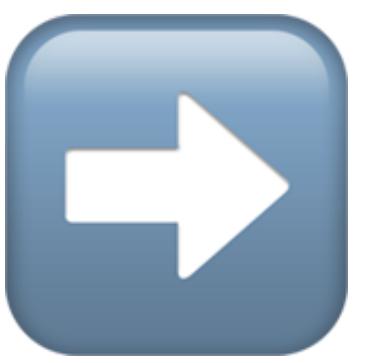
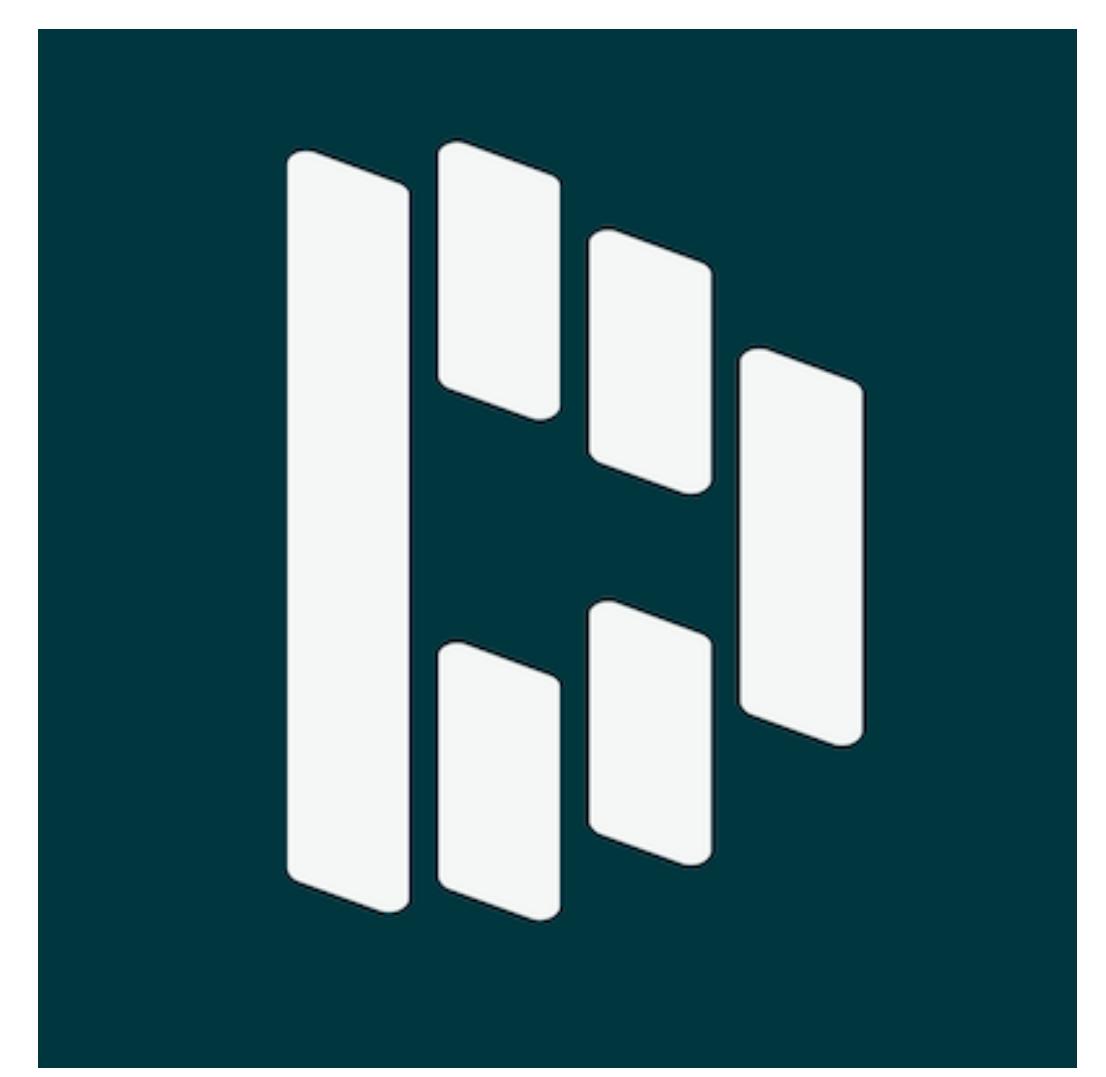












Passwords

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Password

Password + 2FA

Password

Password*less*

DaKnOb

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Email

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Magic Links

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Instant Web3 wallets for your customers

Magic gives developers the tools to make adoption frictionless, secure, and non-custodial.

No downloads. No passwords. No seed phrases. 12M users.

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Connected

Basketball Hiro 01/100 Free

Details Transfer

Secured by Magic

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Connected

Basketball

Hiro

01/100 Free

Details Transfer

Secured by Magic

Password

Passkey

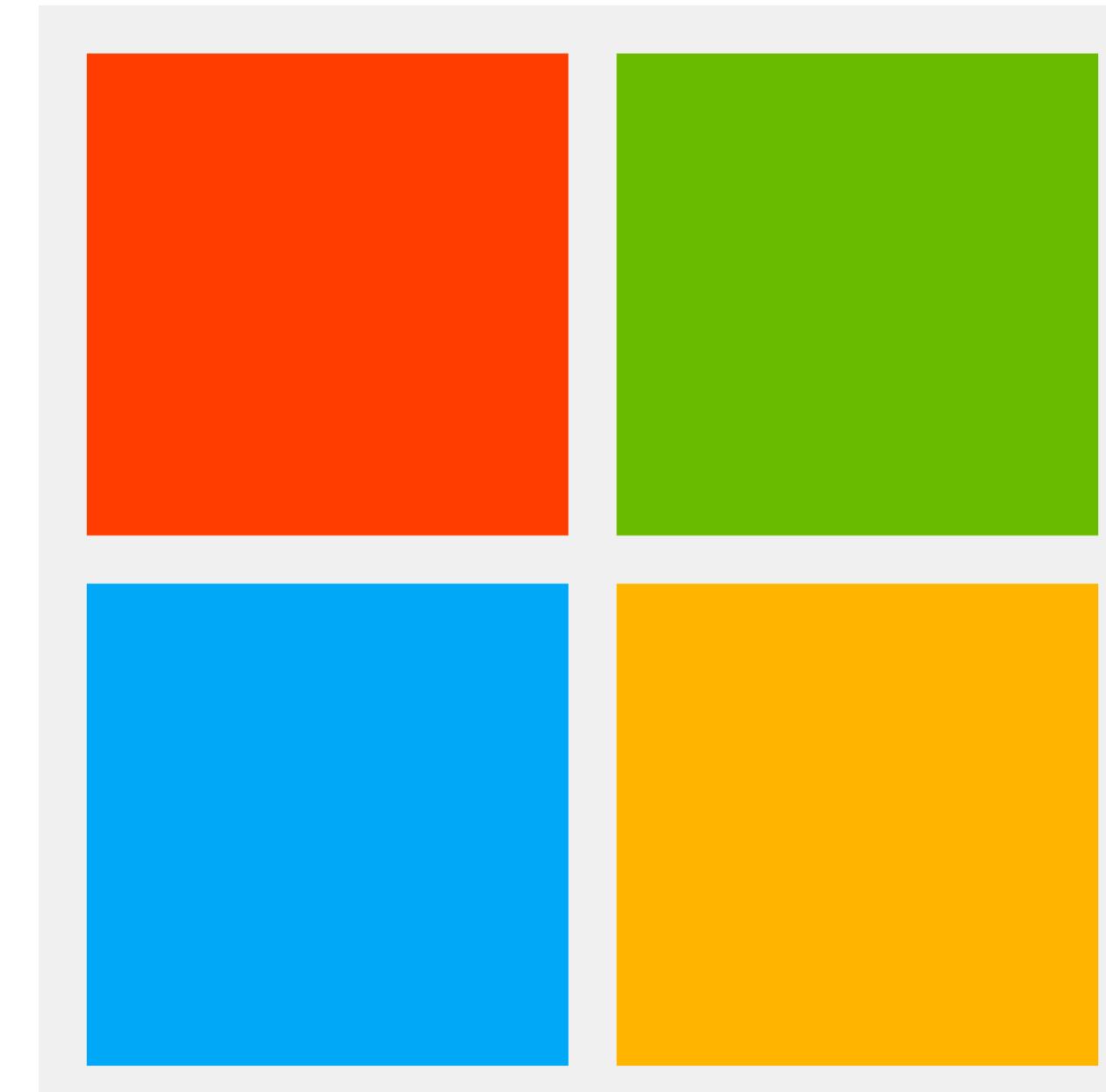


WebAuthn

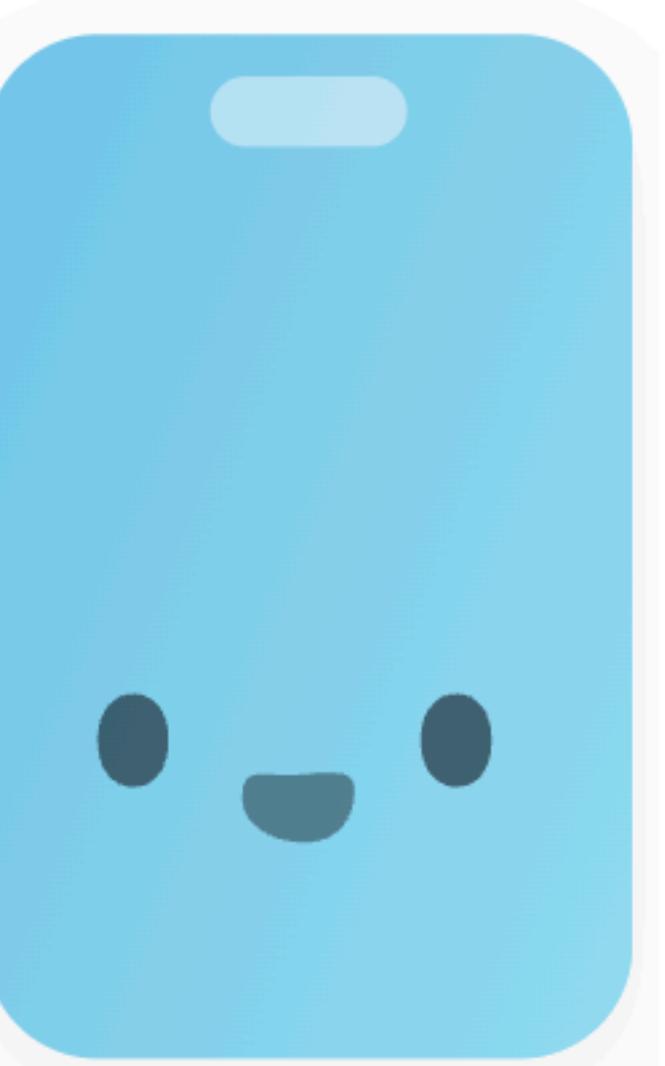


WebAuthn

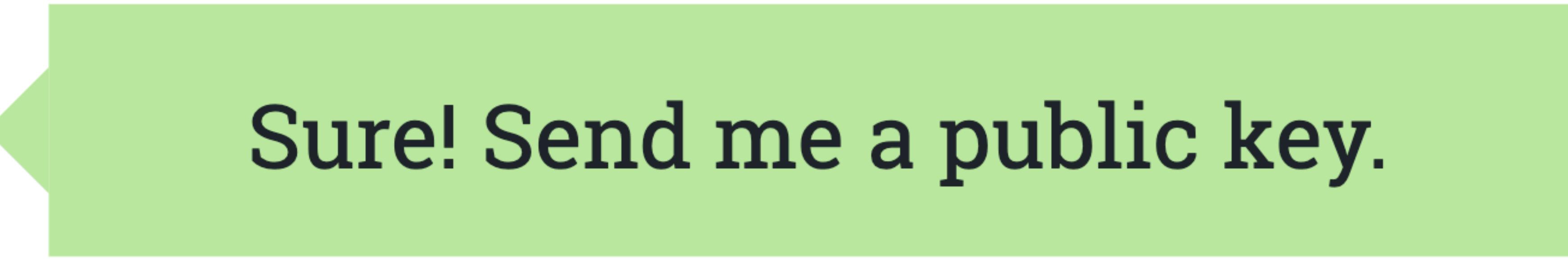
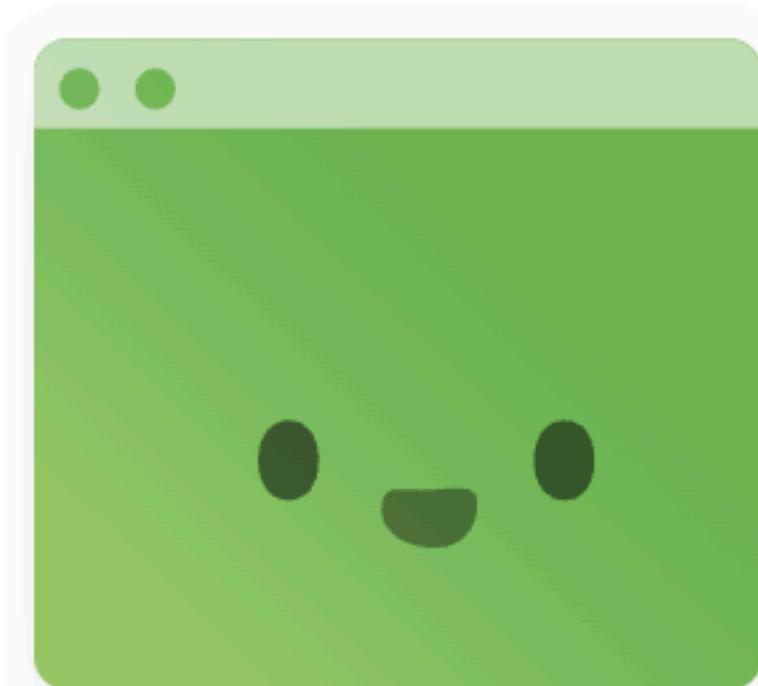
yubico



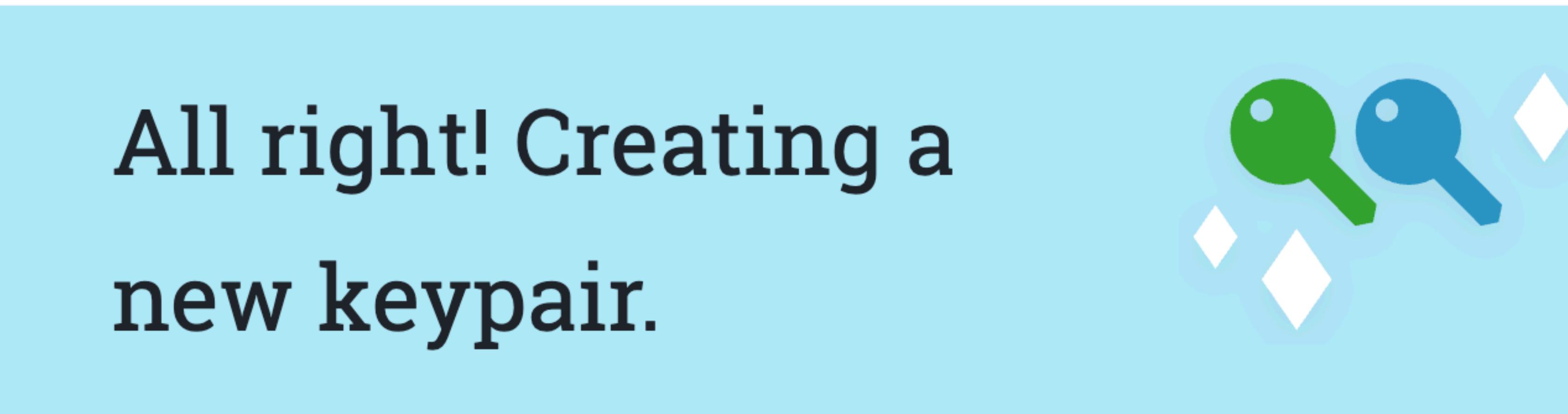




I want to create a new account.



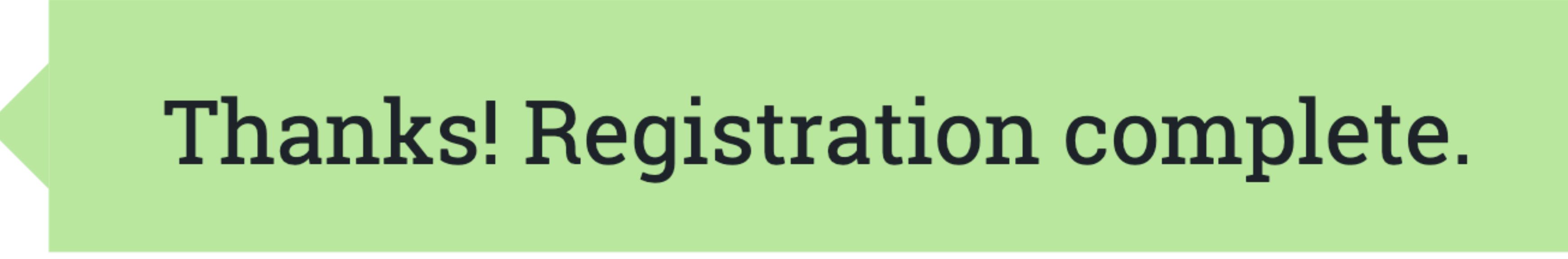
Sure! Send me a public key.



All right! Creating a
new keypair.

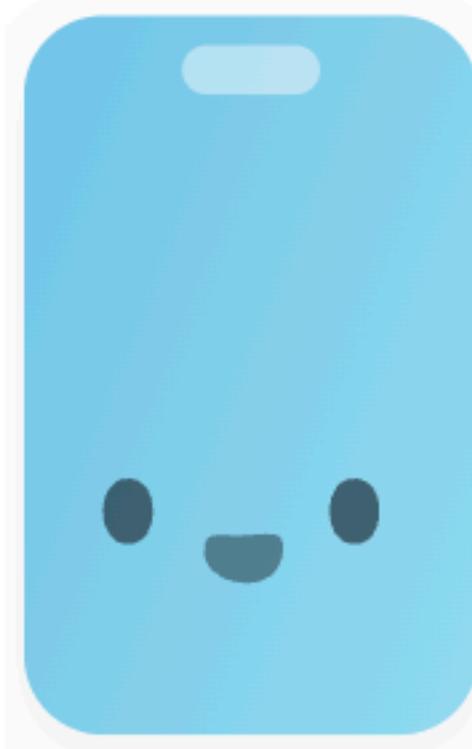


Okay, here's the public key!

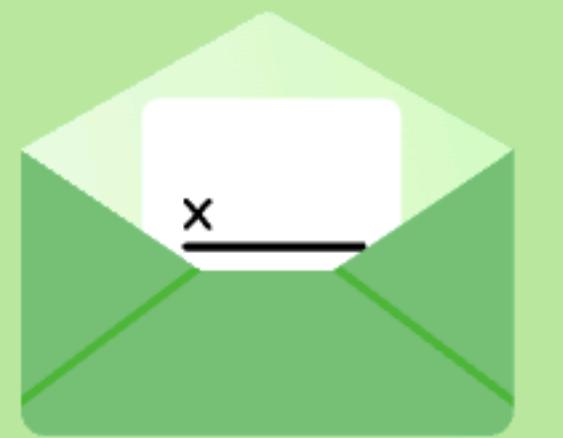


Thanks! Registration complete.

I want to sign in.



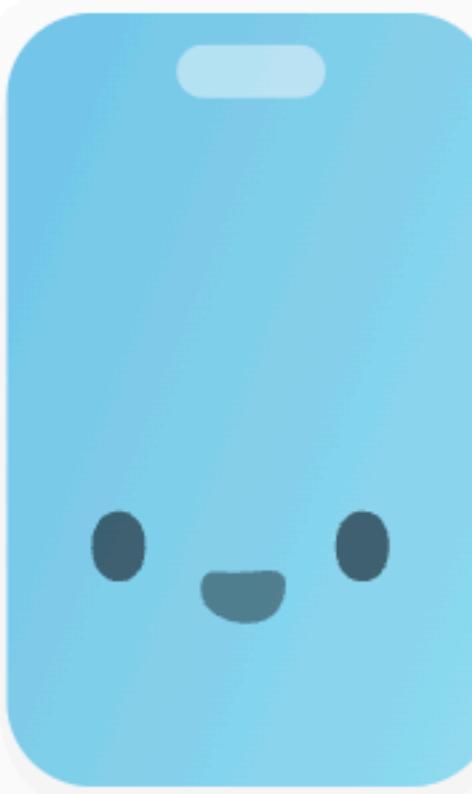
Please sign this data
so I really know it's
you.



Creating a signature
with the private
key...



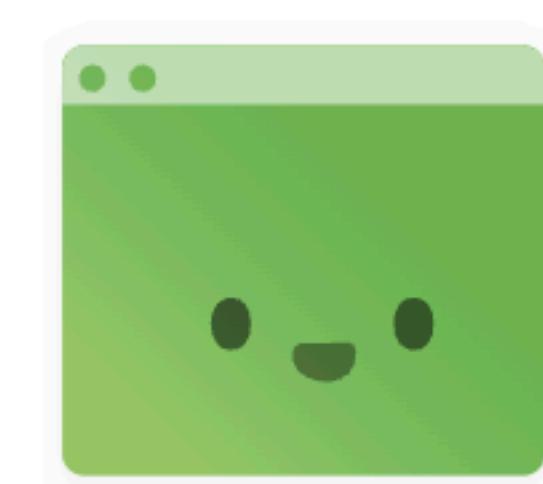
Okay, here's the
signature.



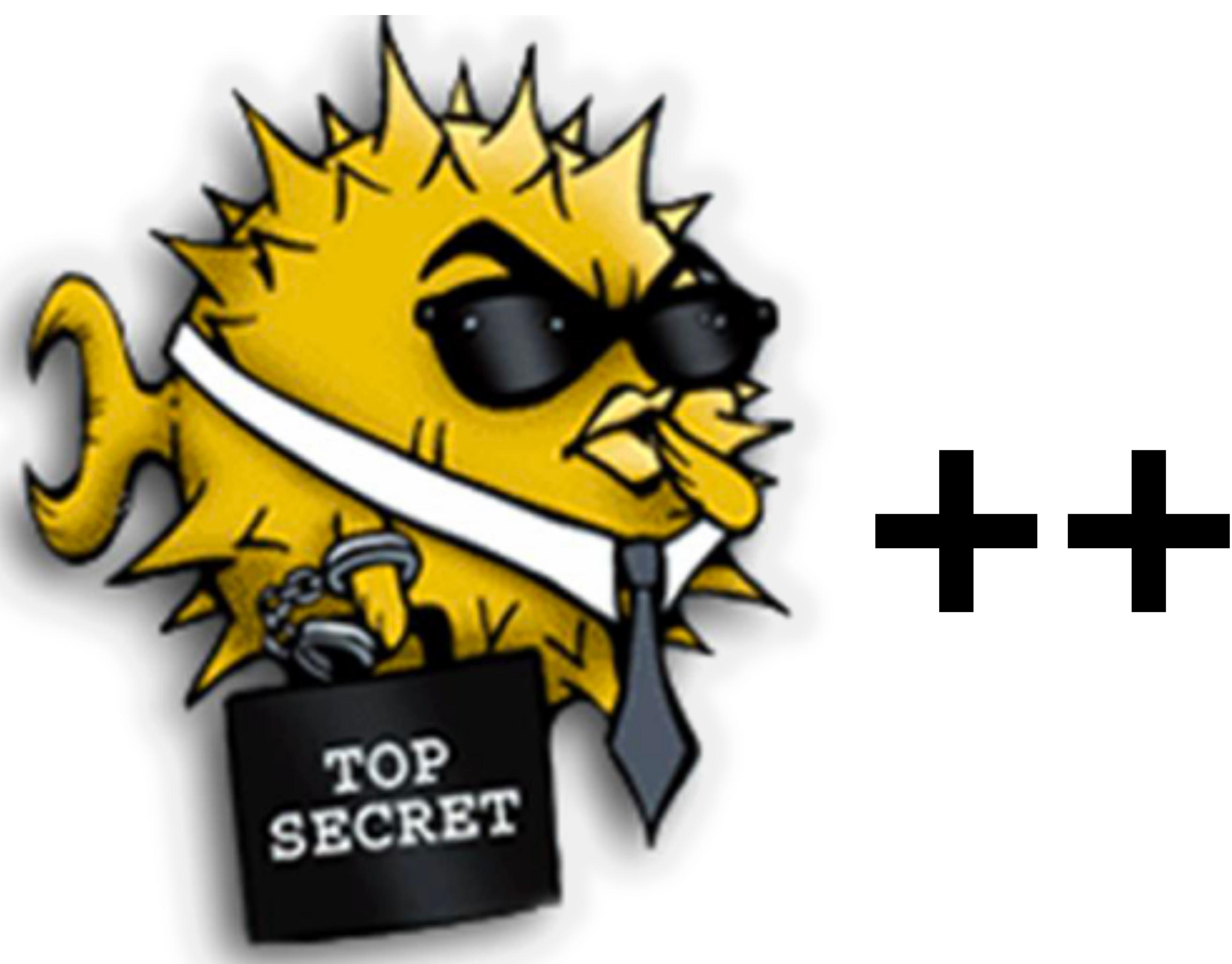
Verifying the
signature with the
public key...




Great! This checks out. You can
sign in.













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Support them!

- Apple Developer Guidelines
 - <https://developer.apple.com/passkeys/>
- A nice implementation guide
 - <https://www.imperialviolet.org/2022/09/22/passkeys.html>
- <https://webauthn.io/> & <https://webauthn.guide/>
- <https://passkeys.directory/>



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s/gov/net/g

