# Forgot Password?

Yes I Did !

# About Me

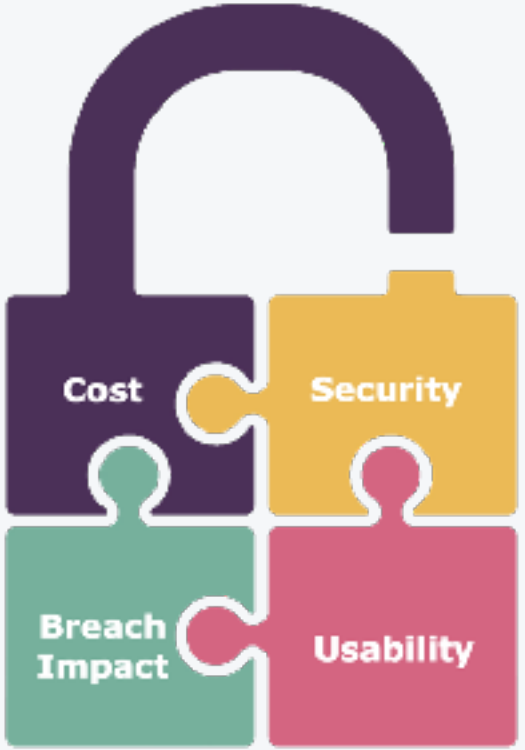
@joel__lord

joellord

Sign in
Username
user
Passwords Are Bad

# Passwords Are Bad

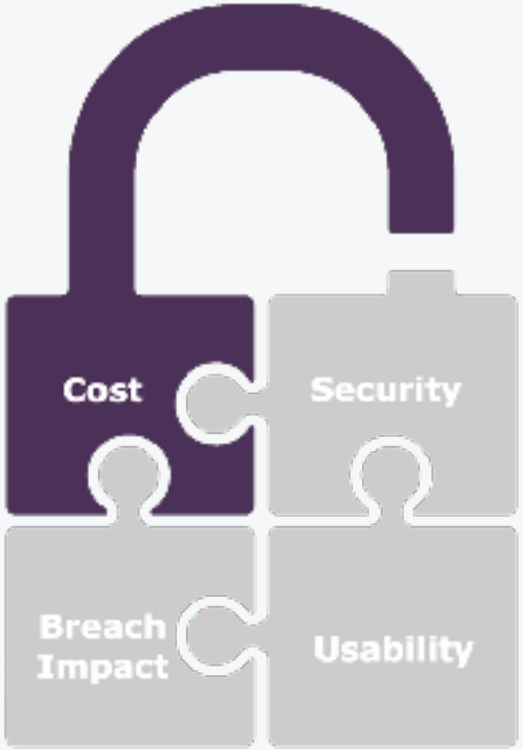
- Cost
- Breach Impact
- Security
- Usability




Auth0

# Cost

- Help desk costs
- Technology acquisition costs
- Management and operations costs

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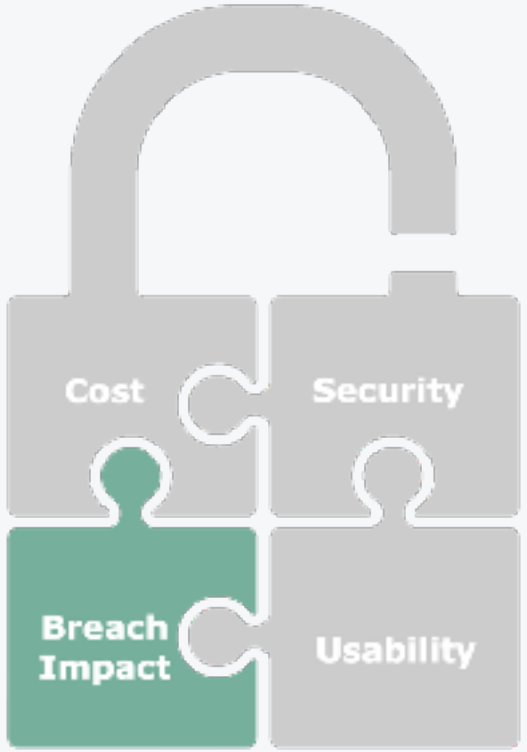
# Breach Impact

- 2,6G data records compromised in 2017

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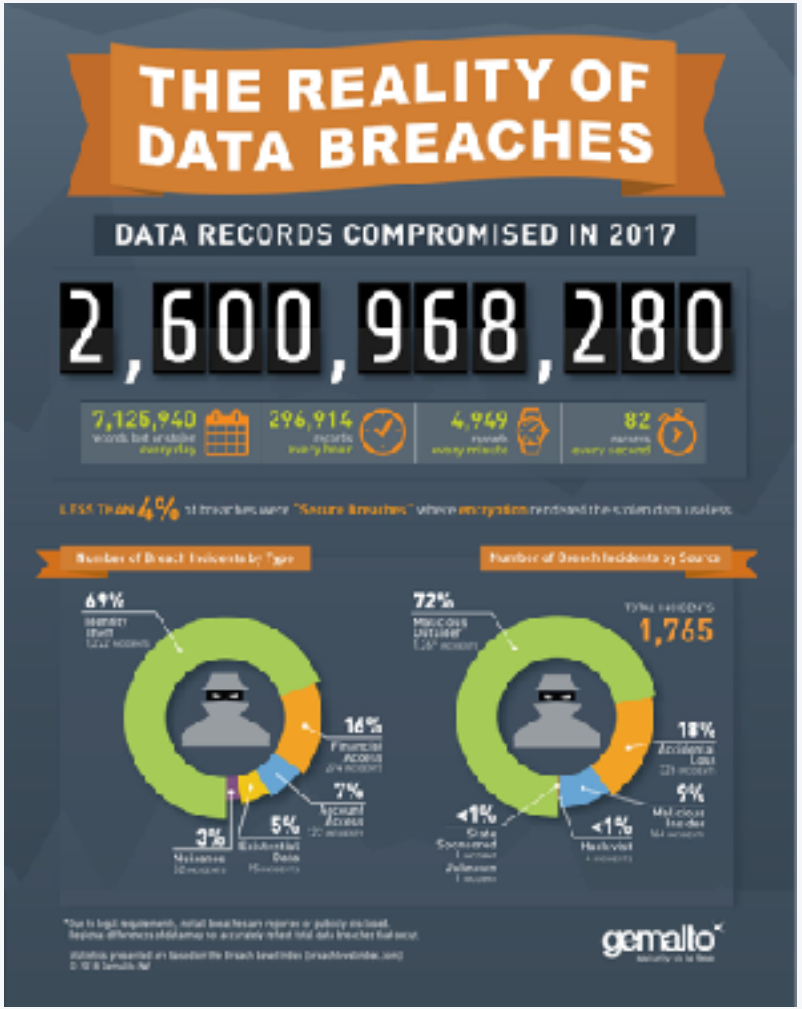
# Breach Impact

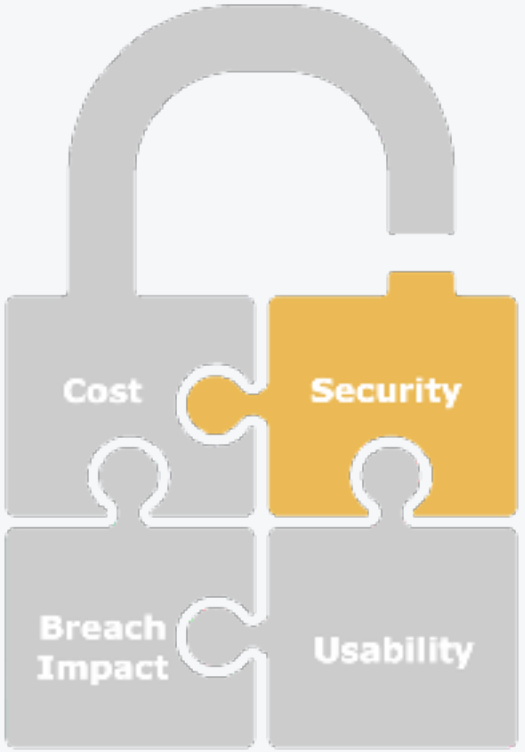
- 2,6G data records compromised in 2017
- https://breachlevelindex.com




Auth0

# Security

- More computing power === easier cracking

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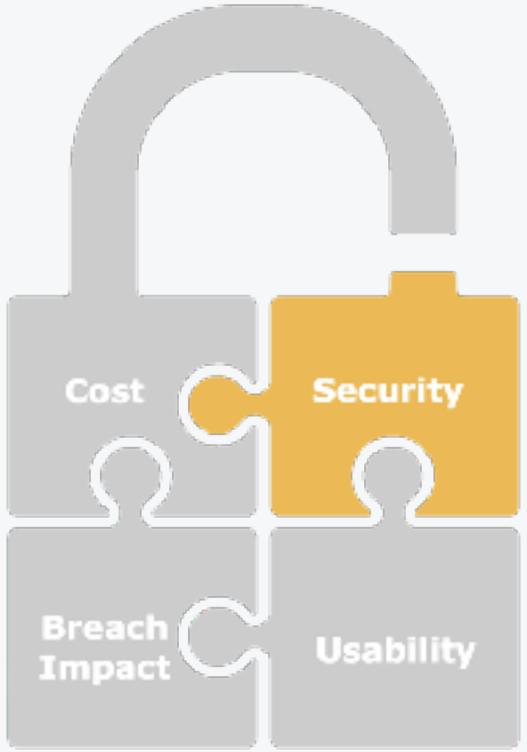
# Security

- More computing power === easier cracking
- More social media presence === easier social engineering

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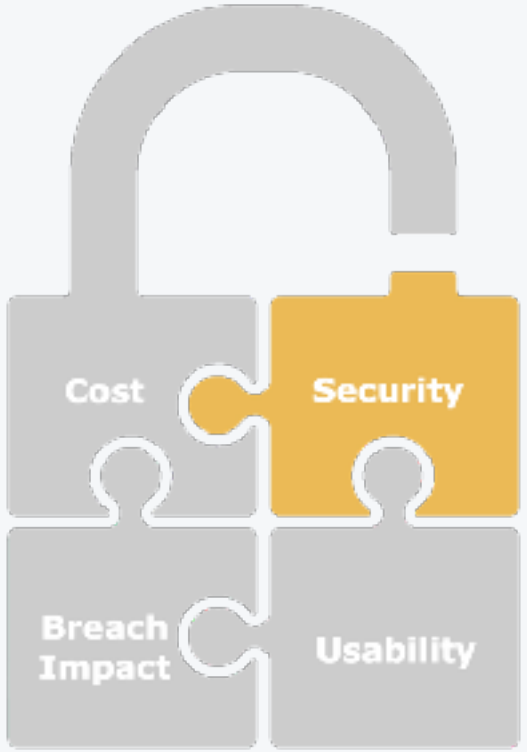
# Security

- More computing power === easier cracking
- More social media presence === easier social engineering
- Users will always be your weakest link

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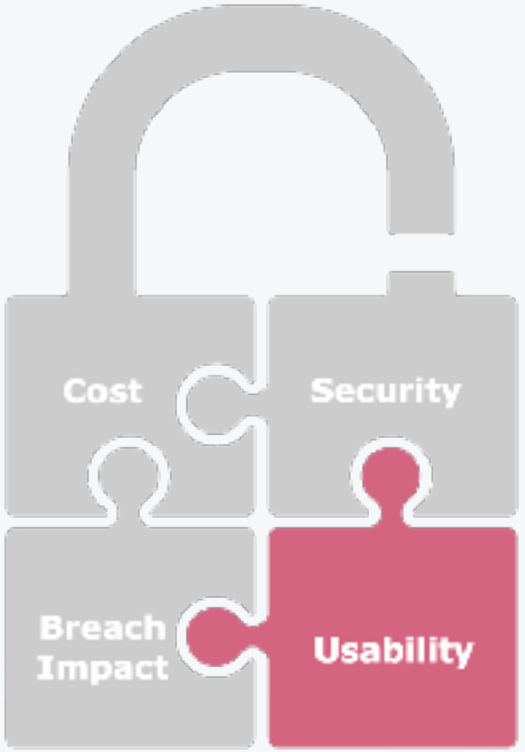
19:39
ASH D.C.
GMT / ZULU
Password
Warningpoint2

# Usability

- 23% of users admit having only one password

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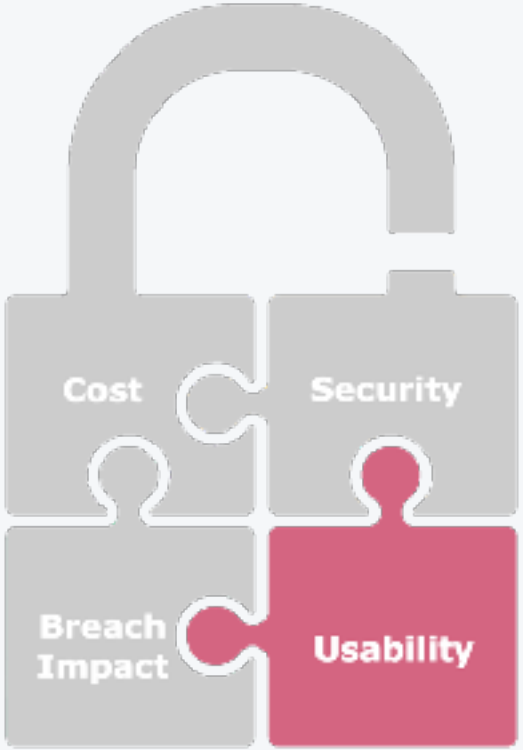
# Usability

- 23% of users admit having only one password
- More than 60% of users use at least two devices everyday

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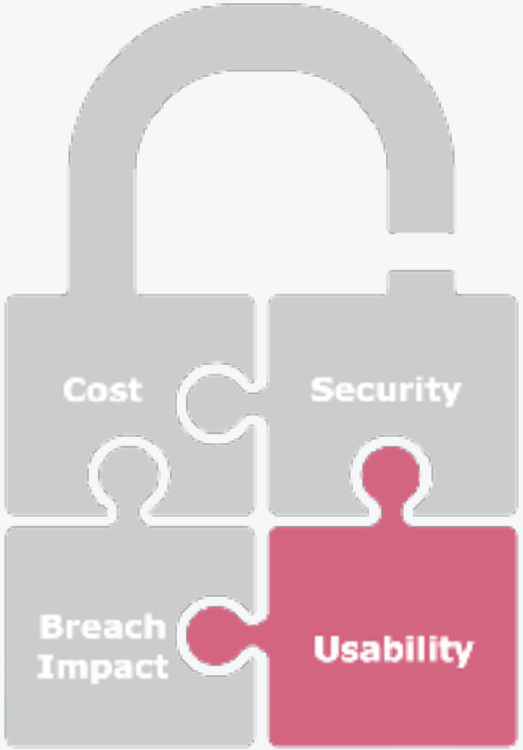
# Usability

- 23% of users admit having only one password
- More than 60% of users use at least two devices everyday
- We all hate passwords!

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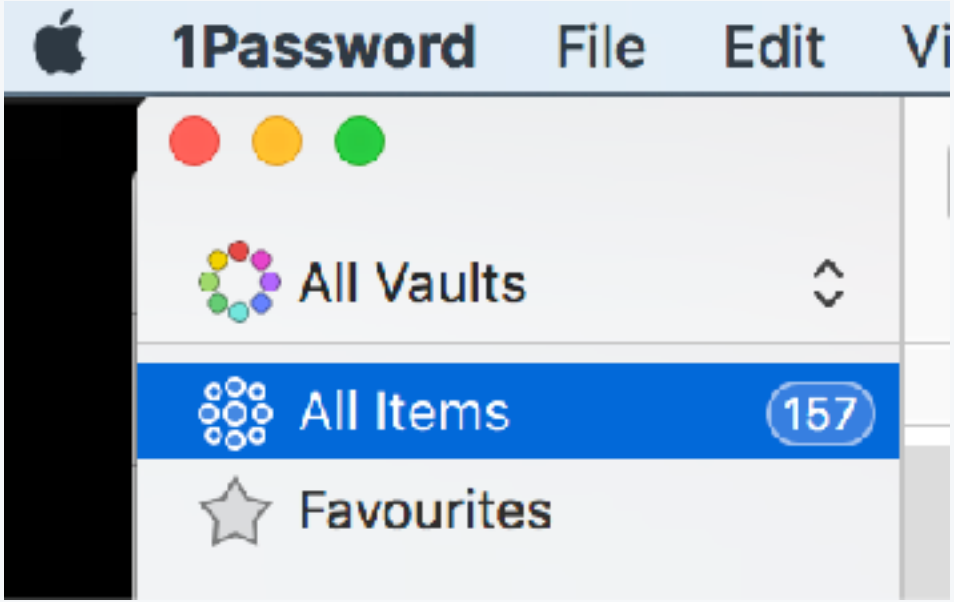
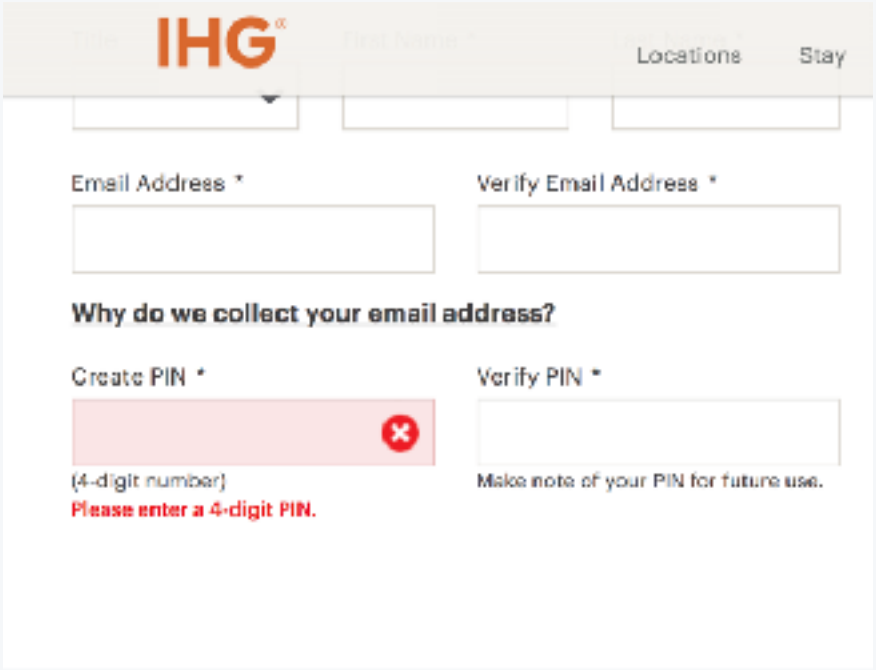
# Passwords

## Usability



# Passwords

## Usability



# Passwords

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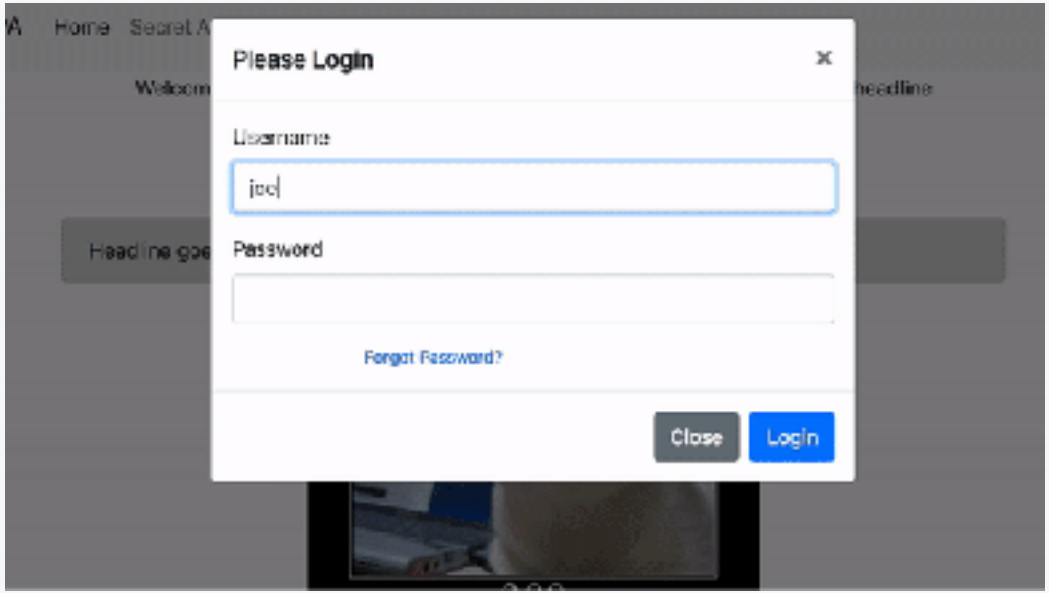

What Can We Do?

# What Can We Do?

- OAuth

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# Authentication Flows

## Implicit Flow

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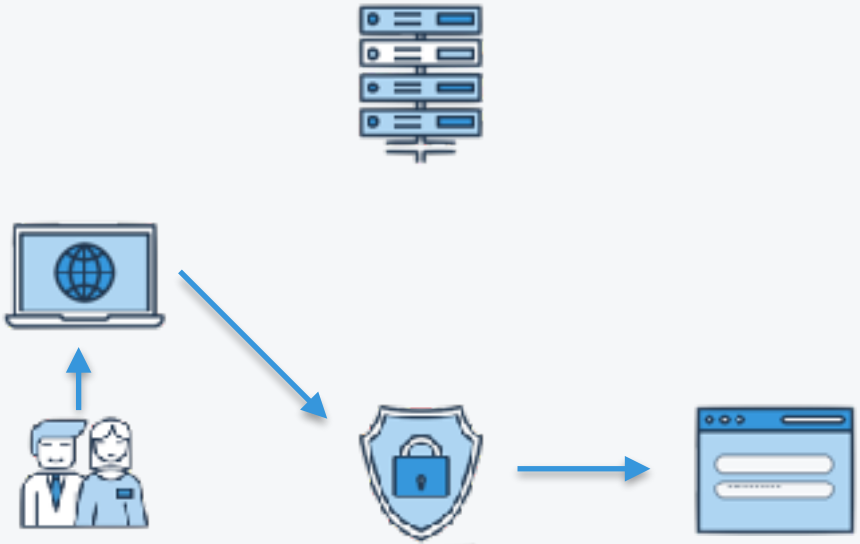
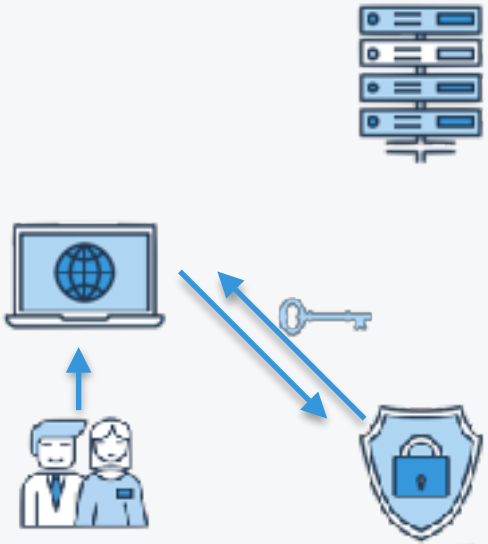


# Authentication Flows

## Implicit Flow



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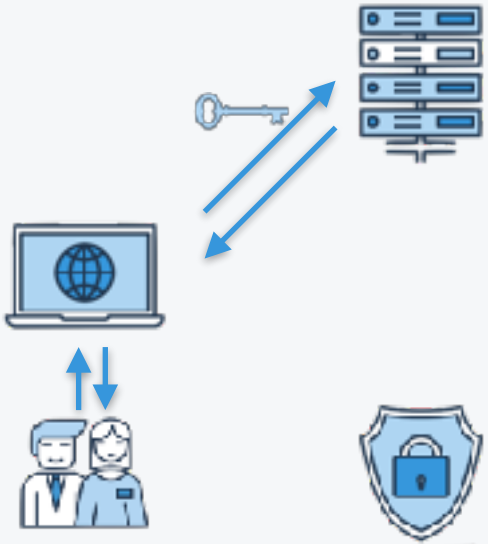
## Implicit Flow



# What Can We Do?

- OAuth
- Delegate

Auth0

# What Can We Do?

- OAuth
- Delegate
- MFA

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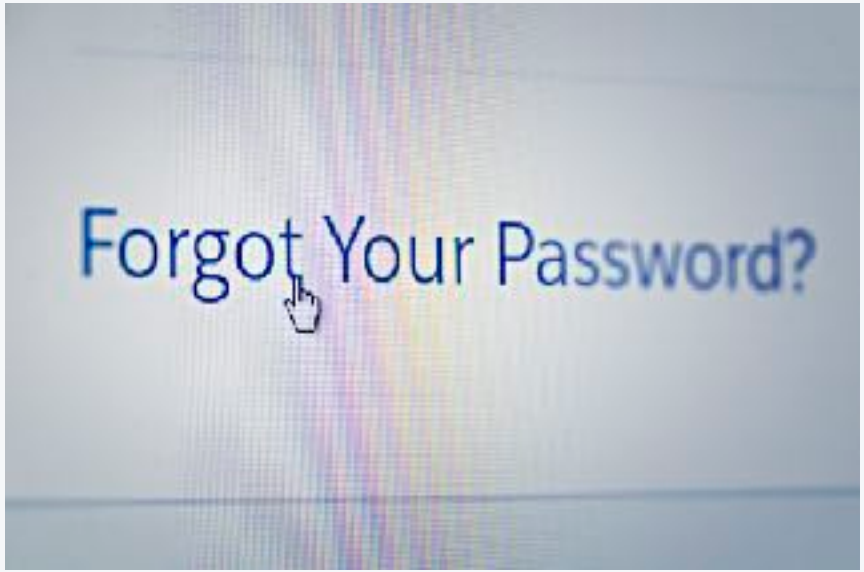
# What Can We Do?

- OAuth
- Delegate
- MFA
- Forget Password

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# Forget Those Passwords

# How to forget a password

- Build strong passwords (something+name of page)

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# How to forget a password

- Use a password manager

WITH GREAT POWER COMES GREAT RESPONSIBILITY

# Alternatives

- Yubikeys (WebAuthn)

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# WebAuthn

- Let’s look at some code

# Alternatives

- Yubikeys (WebAuthn)

Auth0

# Alternatives

- Yubikeys (WebAuthn)
- Biometrics

Auth0

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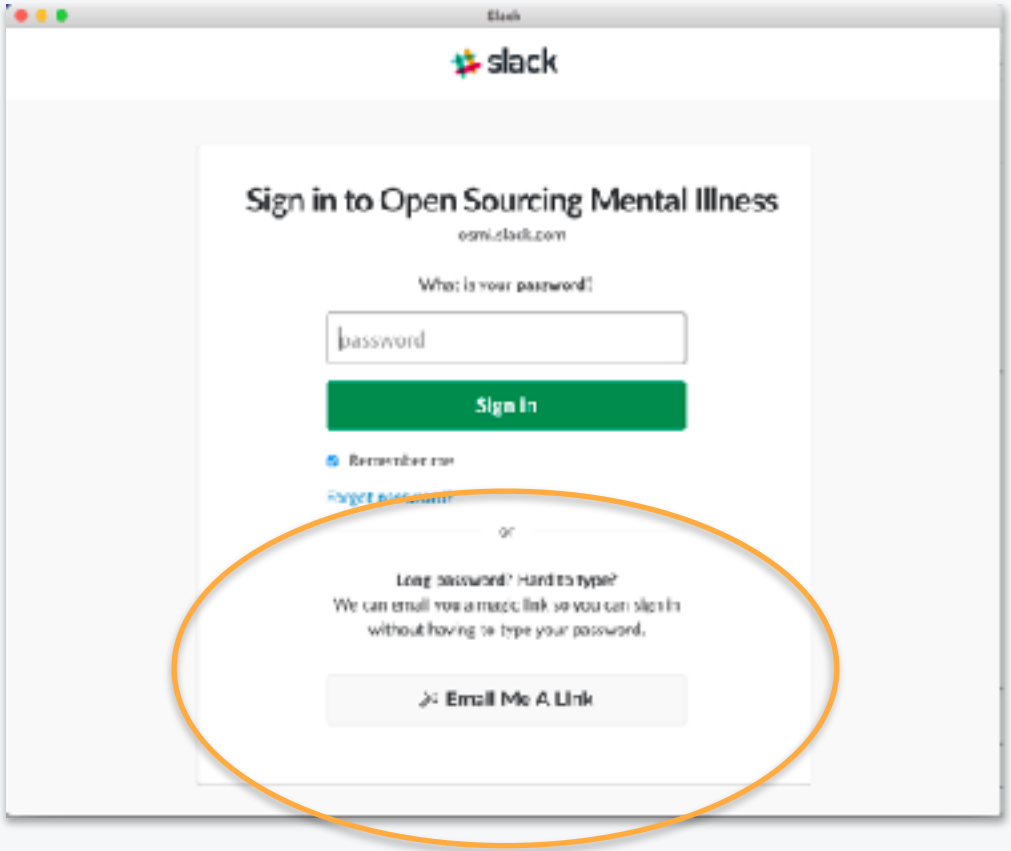
# Alternatives

- Yubikeys (WebAuthn)
- Biometrics
- Magic Link

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# Alternatives

- Yubikeys (WebAuthn)
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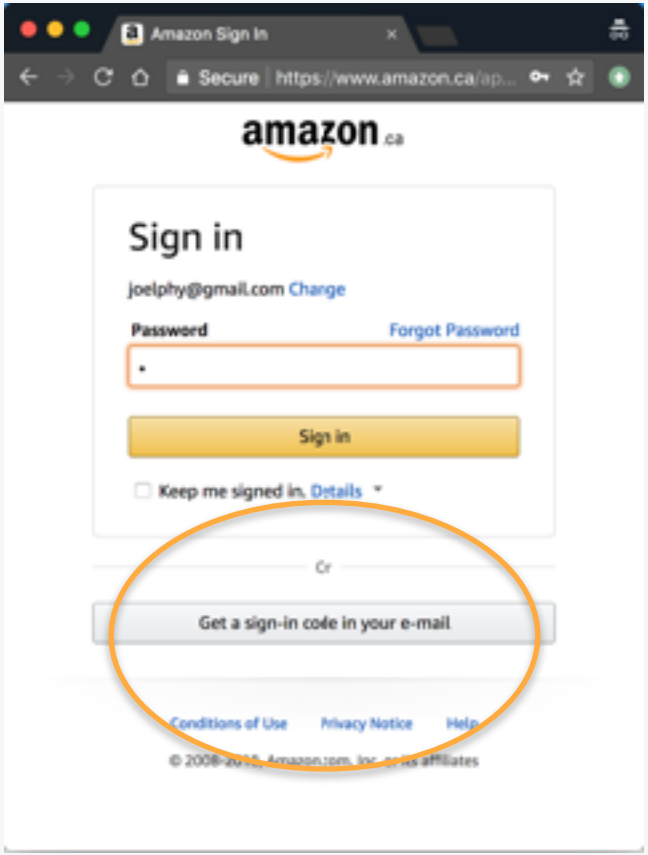
- Magic Link

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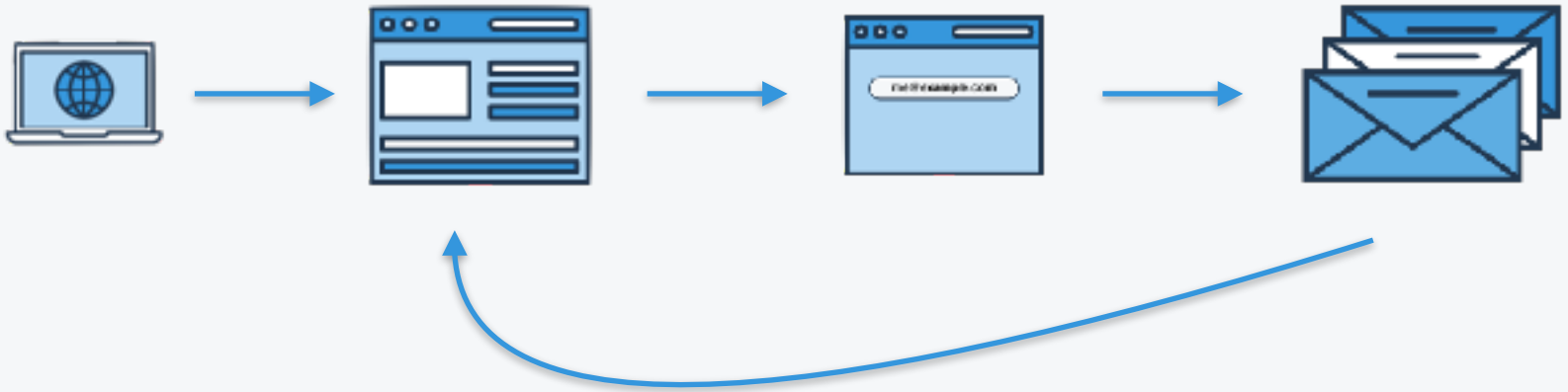
# Magic Link

Via email or SMS



# Magic Links

- Let’s look at some code

# Alternatives

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Future Of Identity Management

# Forgot Password?

Skyway Software Symposium
Minneapolis, MN
June 15th, 2018

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