

Passkeys 101 ^

Passkeys

How Passkeys Work

Privacy Principles

FAQ's

Passkey Use Cases ^

Case Studies & Directory ^

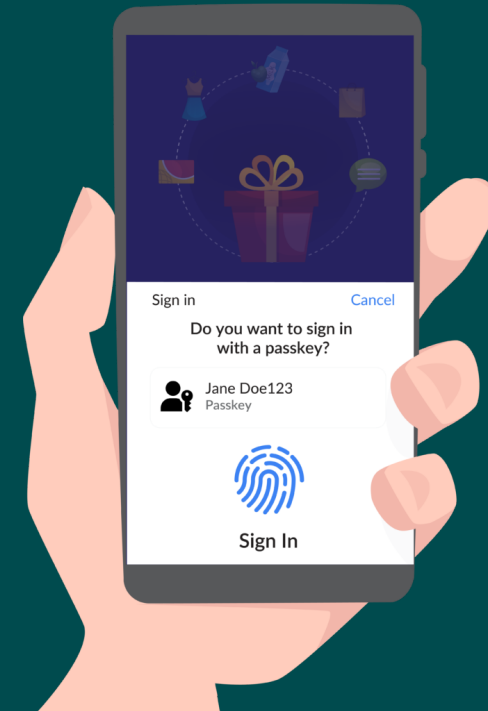
Passkey Implementation ^

Passkeys

Accelerating the Availability of Simpler,
Stronger Passwordless Sign-Ins

FAQ'S

RESOURCES



Passkeys [link](#)

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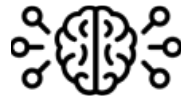
noun

Based on FIDO standards, passkeys are a replacement for passwords that provide faster, easier, and more secure sign-ins to websites and apps across a user's devices. Unlike passwords, passkeys are always strong and phishing-resistant.

Passkeys simplify account registration for apps and websites, are easy to use, work across most of a user's devices, and even work on other devices within physical proximity.

Why passkeys?

Passwords are a problem. [🔗](#)



Knowledge-based



Hassle to use and
remember



Easy to phish, harvest,
replay

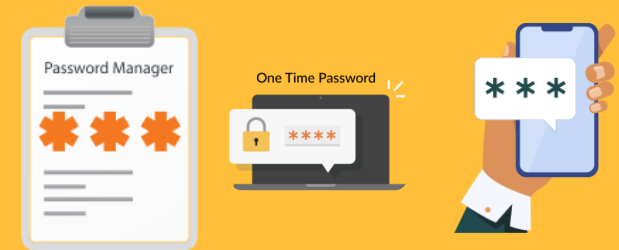
89%



of organizations
experienced a phishing
attack in the past year.*

*HYPR, 2022 State of Passwordless Security Report – Download the Report [here](#).

Legacy authentication solutions don't address the security problem and/or are not usable enough for large-scale consumer utilization.



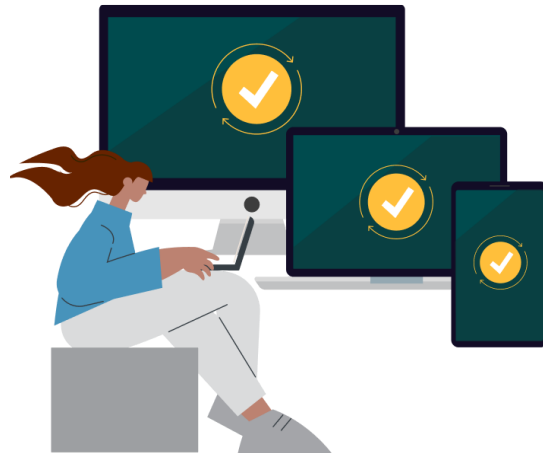
**FIDO AUTHENTICATION IS THE WORLD'S ANSWER TO THE
PASSWORD PROBLEM.** [🔗](#)

FIDO Authentication provides a simpler user experience with phishing-resistant security.

WHAT IS FIDO?

HOW FIDO WORKS

FIDO SPECIFICATIONS



Passkeys optimize access and usability for FIDO Authentication [🔗](#)

Organizations can deploy FIDO sign-ins with passkeys across a variety of use cases. Passkeys enable users to access their FIDO sign-in credentials on many of their devices, even new ones, without having to re-enroll every device on every account. Alternatively, device-bound passkeys that are bound to a FIDO security key or platform are an option for organizations that do not require syncing.

How do users use passkeys? [🔗](#)

When a user is asked to sign-in to an app or website, the user approves the sign-in with the same biometric or PIN that the user has to unlock the device (phone, computer or security key). The app or website can use this mechanism instead of the traditional (and insecure) username and password.

Here's what this means for...



User Experience

The user experience will be familiar and consistent across many of the user's devices – a simple verification of their fingerprint or face, or a device PIN, the same simple action that consumers take multiple times each day to unlock their devices.



Security

Passkeys are based on FIDO Authentication, which is proven to be resistant to threats of phishing, credential stuffing and other remote attacks. Also, service providers can offer passkeys without needing passwords as an alternative sign-in or account recovery method.



Scalability

With passkeys, users do not need to enroll a new FIDO credential on each service or each new device (which would typically be with a password for that first sign-in). The users' passkeys are available whenever they need them—even if they replace their device. Device-bound passkeys that do not support syncing are an option for organizations that require additional proof of provenance of a user's passkeys.

Passkey Logo



Look for the passkey logo on sites that allow you to use passkeys instead of passwords. Service providers interested in using this logo should visit our [FIDO Trademark and Service Mark Usage Agreement for Websites](#) to agree to terms and download the logo files.

Download our passkey logo style guide files

[DOWNLOAD STYLE GUIDE](#)

Resources [↗](#)



White Paper



Blog



FAQs

Developer Resources [↗](#)

Ready to get started?

Apple and Google have created these passkey resources for developers:

[“Passkeys.dev”](#)

[“Member-curated list of sites that support passkeys”](#)

[Apple: “FIDO Authentication with Passkeys”](#)

[Google: “FIDO Authentication with Passkeys”](#)

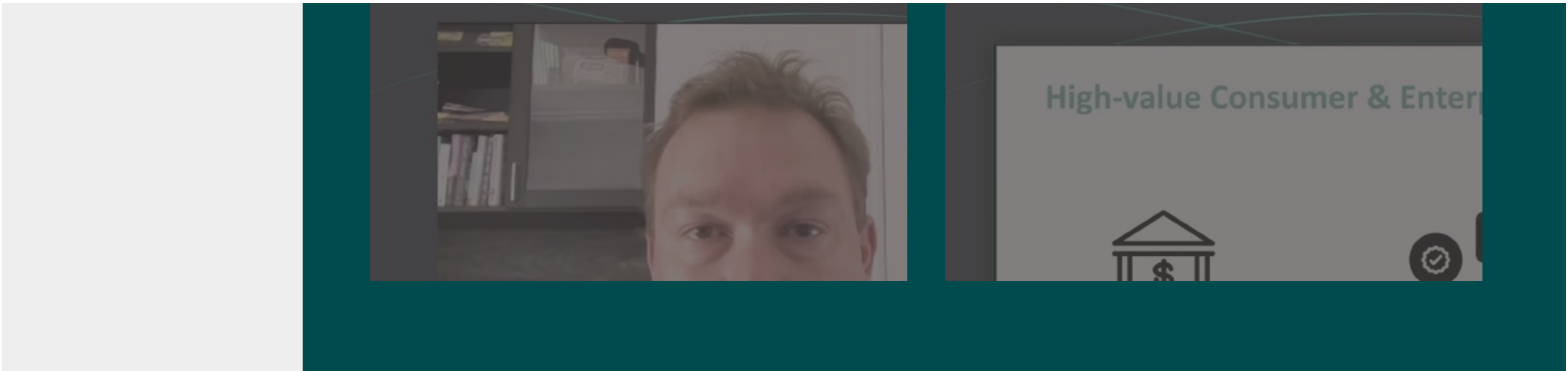
Videos [↗](#)

Passkeys in Action

A demonstration of passkeys across platforms.

Primer on Passkeys





An in-depth explainer on passkeys.



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