


FROM AUTHENTICATION TO
THE FUTURE OF IDENTITY

GETTING STARTED WITH KEYLESS ZERO-KNOWLEDGE BIOMETRICS

A use case guide

NOTHING TO REMEMBER.
NOTHING TO STEAL.
YOU ARE THE KEY.

KEYLESS



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81%

81% of hacking related breaches used either weak or stolen passwords.

— Verizon Data Breach Report 2017

\$4 millions

4 million dollars is the average total cost of a data breach.

— Ponemon Cost of Data Breach Report 2019

12.6 mins/week

12.6 mins/week is the average time spent entering or resetting passwords per week per employee.

— Ponemon Authentication Report 2019

\$70

70 dollars is the average cost for each password reset.

— Forrester Research



Nothing to remember. Nothing to steal. You are the key.

Enhance your digital transformation

Unify your authentication experience across all customer touchpoints, on every channel and end user devices.

Offer multi-factor security by design

Eliminate passwords and shared secrets and thus breaches, fraud and phishing attacks.

Comply with regulations like PSD2 or GDPR

Leave behind any compliance concerns by adopting Keyless private by design ZKB authentication.

HOW DOES ZERO-KNOWLEDGE BIOMETRICS FIT INTO MY ORGANISATION?

“By 2022, 60% of large and global enterprises, and 90% of midsize enterprises will implement passwordless methods.” - Gartner.

Passwordless is just the beginning... enter secure Multi-Party Computation (sMPC).

sMPC is an ideal technology for secure zero-knowledge, end-to-end privacy-preserving authentication systems. The problem has been that existing implementations have lacked the performance to make it a viable option... until now.

Keyless has made unique patent-pending advances in the field resulting in zero-knowledge biometrics, combining biometric authentication with sMPC in a performant, secure and private way.



FOR YOUR EMPLOYEES.

Employee authentication to business applications

Upgrade your existing SSO solution with private biometric authentication or unlock the value of passwordless for your workforce.

Keyless has partnered with the leading IAM providers allowing you to seamlessly enhance your existing authentication journeys with zero-knowledge biometrics (ZKB) as an additional authentication factor or fully embrace passwordless. The choice is yours. Keyless Authenticator easily enables both scenarios.

Unify the authentication experience across the organisation, remove the burden of users having to manage multiple sets of credentials and the associated help-desk burden (30%-50% of all helpdesk tickets are now related to password resets and account lockouts).

Keyless ZKB enables employees to seamlessly and securely log in to any application with just a look. There is nothing to remember, nothing to type, nothing to lose or to forget.

Ubiquitous authentication; enrol once, use everywhere.



Helpdesk - user authentication

Verifying that the right person is actually on the end of the line can be a cumbersome and convoluted process yet is essential to maintain security and guard against social engineering attacks. A more effective approach is needed.

With Keyless Verify, ensuring that the person calling the helpdesk is the real person associated with an account is a simple one-click process.

Enable your helpdesk agents to easily send a verification request to the user's pre-registered device for them to verify their credentials with just a look.



FOR YOUR CUSTOMERS.

New Customer Account Opening

The customer onboarding process is paramount, not just from a security and compliance perspective, but also from a user experience perspective. Your customers first real interaction with your product can be a formative point in time with regards to their first impressions.

Keyless True Identity - combines industry-leading identity proofing with zero-knowledge biometrics, allowing you to have confidence that the identity of the person registering and performing successful future authentication transactions, matches that of a genuine state-approved ID document.

Easily add identity verification to the onboarding flow of your existing apps using our SDK.

With two simple steps, your customers can be identity checked and verified in seconds; take a picture of an identity document, like a passport or driving license, then simply finish with just a look at you - we'll do the rest.



Customer Authentication

Bring just-a-look authentication to your app, no matter what device or platform.

Keyless ZKB performs multi-factor authentication in one simple action. Remove the need for your customer to remember a password or receive and type an OTP from a text or email along with the added friction that comes with it.

Add Strong Customer Authentication (SCA) to your application with one simple SDK in order to adhere to regulations such as PSD2. There is nothing for your customer to remember, nothing to type, nothing to copy and paste, nothing to lose or to forget.

Enable the same authentication method across all customer touchpoints on every channel, creating ubiquitous identity - enrol once, use anywhere.

Account sharing

Credential sharing has become increasingly commonplace. Keyless Authentication allows a seamless authentication step that inherently verifies that the real human user is actually the person authenticating.

Seamless UX enables you to introduce more authentication requests into your customer journeys without added friction of traditional authentication processes.

Protect your premium services with Keyless and enjoy not only all the benefits of simple, secure, private biometric authentication but also the ability to verify that the real-world person is the one who is consuming the service.



Person to Person - Customer Authentication

Due to increasingly sophisticated social engineering methods, call centres and direct points of sale are a common target for fraudulent customer account takeover attempts, often the weakest link in the security chain. Existing methods of verifying the customer is the person they say they are, your real customer, can be radically improved and streamlined using Keyless Verify.

In a simple one-click process, your call centre operators can easily send a secure and private verification request to the account holder on their pre-registered device allowing them to prove their credentials with just a look.