

HYPR Authenticate

Passkey-based MFA that empowers your employees and customers with secure, convenient, deployable passwordless access.

Protect Access While Removing Friction

Deploy phishing-resistant, passwordless MFA that accelerates and protects your business. HYPR Authenticate extends the functionality of FIDO passkey and PKI-based authentication into a comprehensive authentication solution for your workforce and customers. HYPR is the recognized leader in passwordless multi-factor authentication and is deployed at scale in some of the largest and most complex environments globally including top financial service providers, manufacturers, retail and beyond.

Modernize Your MFA

Legacy MFA leaves organizations vulnerable to attack and cannot provide the user experience needed in today's digital world. The vast majority of security incidents can be traced back to a weakness in authentication. Attacks on MFA include 'push bomb' attacks, man-in-the-middle, phishing, smishing, password stuffing and other credential attacks. Traditional IAM technologies sacrifice usability to improve security, introducing greater friction that negatively impacts user satisfaction and productivity.

HYPR Authenticate is purpose built with a no shared secrets architecture to eliminate authentication-based threats while delivering a seamless user experience across all channels, from anywhere, on any device.

Deploy the Strongest Passwordless Authentication Available, Everywhere

HYPR provides the strongest authentication combined with a simplified user experience that accelerates business at scale. HYPR's frictionless, phishing-resistant MFA is FIDO Certified end-to-end, which the Cybersecurity and Infrastructure Security Agency (CISA) considers the gold standard for Zero Trust Authentication. By deploying HYPR, organizations can decouple authentication from their identity providers to ensure best of breed technology and one consistent login experience.

HYPR Authenticate Key Benefits

- Solve your desktop MFA gap
- Stop credential phishing, fraud and account takeover
- Simplify login and reduce user friction
- Improve productivity and reduce password reset tickets by 95%
- Integrate quickly with existing systems, IdPs and applications
- Cover critical use cases including offline mode, recovery PINs, RDP access, VDI and more
- Manage authenticators at scale including software app, passkeys, security keys and platform authenticators
- Deploy mature, enterprise-proven passwordless MFA that delivers validated ROI of 324%¹

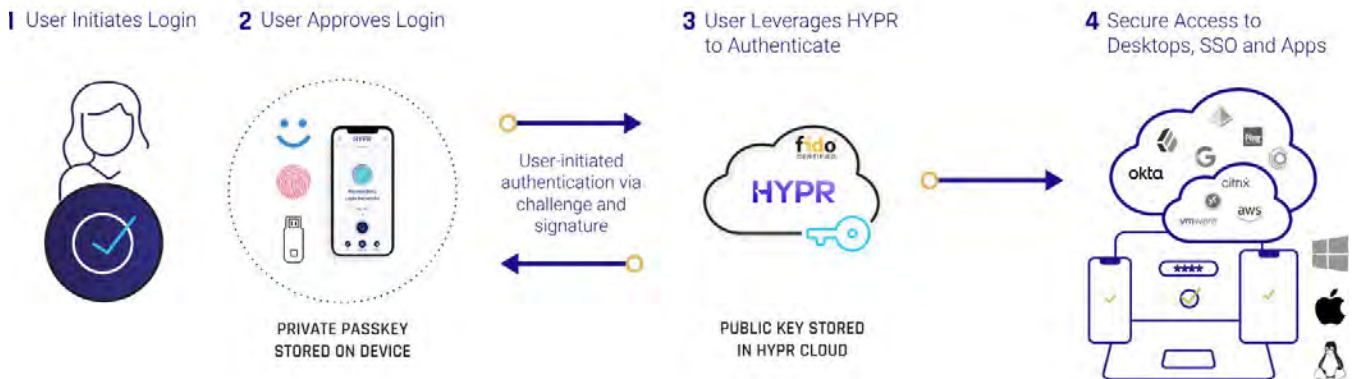
¹ The Total Economic Impact™ Of HYPR True Passwordless MFA, Forrester Research, July 2023

How HYPR Authenticate Works

HYPR Authenticate replaces shared secrets such as passwords, traditional PINs, SMS codes and OTPs with strong public key encryption based on proven standards including FIDO passkeys and PKI framework. Biometric sensors such as Apple Touch ID, Face ID, and their Android and Windows counterparts, can be used to unlock these credentials that are verified against an authentication server using public key cryptography.

At registration, HYPR securely generates a pair of cryptographic keys. The private key is stored and bound to the user's mobile device or platform at the hardware-level in their respective secure, isolated Trusted Platform Module (such as the Secure Enclave or Trusted Execution Environment). The public key is stored on the HYPR FIDO Server. HYPR also works with any other FIDO Certified authenticator, such as synced passkeys, hardware keys and smart cards, to provide flexibility and choice for users and businesses.

Private Key Always Remains on User Device



HYPR Authenticate Components

HYPR Authenticator App

HYPR offers a lightweight mobile app that replaces passwords with passkey-based authentication that's 300% faster than traditional MFA. The HYPR App works across multiple user devices, providing secure login anywhere, even offline.

HYPR SDK

Incorporate systematic, seamless, privacy-preserving manager attestation that provides a complete chain of evidence and audit trail. Helps ensure compliance with your security, legal and regulatory requirements.

HYPR Desktop Client

The HYPR desktop client solves a serious yet common authentication gap. Eliminate passwords and shared secrets across Windows, MacOS and Linux workstations, including shared workstations, consoles and virtual environments. Comply with regulatory mandates and security framework guidelines for MFA at the desktop. Users also gain single action login from desktop to SSO and cloud apps, including virtual desktops, VPN and RDP with fewer intermediate re-authentication events.

HYPR Control Center

Manage, provision, and deploy passkey-based authentication policies across millions of users with the HYPR Control Center. HYPR enables you to manage all your FIDO authenticators at scale, easily customize enrollment and create authentication policies, and monitor real-time user and system analytics and audit logs.

HYPR Authenticator Choice

With the power of the HYPR FIDO Certified server and Desktop Client, enterprises are empowered to enable a variety of choices for end user authenticators beyond the HYPR Authenticator App or Mobile-App SDK. Enterprises can deploy smartcards and security tokens at scale to end users, empowering a self-driven secure enrollment sequence ready for today's remote-friendly global workforce.

Passkeys for Workforce and Customers

HYPR comprehensively covers both your workforce and your customers to ensure the highest levels of phishing-resistant security across all your user populations. Modern CISOs, CIOs, COOs, IAM, IS and IT leaders look to HYPR to reduce the total cost of ownership of their IAM stack and align their security, usability, and efficiency goals. HYPR is proven to deliver 324% ROI and reduce employee onboarding time by 55%.²

HYPR Adapt Option

HYPR Adapt enables organizations to effectively manage identity-related risks with real-time risk assessment and adaptive security controls. Its powerful risk engine consumes and analyzes risk signals and telemetry from multiple sources, including user behavior analytics and contextual information, dynamically adjusting security policies based on the current state.

Results can be used to enforce step-up authentication as well as sent to other participatory products such as SIEM and SOAR systems for additional enforcement or reporting actions. Individual risk profiles enable organizations to deliver a personalized user flow that is optimized to reduce friction while maintaining stringent security measures. HYPR Authenticate includes certain base-platform features of the HYPR Adapt solution, and progressively benefits from additional out-of-the-box policy insights.



3 in 5

**organizations were breached
due to authentication weaknesses
in the last 12 months**

² Forrester Research

 **\$2.95M**

average cost of authentication-related cyber breaches in the last 12 months

Source: The State of Passwordless Security Vol. 3, Vanson Bourne and HYPR, March 2023

HYPR Features and Benefits

Eliminate the Target

With HYPR, there is no centralized database of passwords or shared secrets that can be hacked. Credentials in the form of a private key are stored and remain in the most secured areas of the user's device at all times.

HYPR stops MFA attacks and breaches including push attacks (MFA bombing), OTP-interception, man-in-the-middle, replay attacks, credential stuffing and social engineering.

Secure Access from Desktop to Cloud

Users authenticate with HYPR when they first log into their device and it carries them through all login operations until they shut down or as otherwise determined by their administration policies. In a single authentication operation, users get phishing-resistant, passkey-based MFA access to their device, data, local and cloud applications.

Fast, Simple User Experience

The average person performs 26-plus daily logins. HYPR reduces this to single-action login that's 3x faster than legacy methods. There are no more passwords to remember, no downtime resulting from being locked out and no calls to the helpdesk for password resets.

HYPR supports a variety of hardware and software FIDO authenticators so you can provide users a choice of authentication options.

Deploy the Gold Standard in Authentication, End-to-End

HYPR Authenticate is FIDO2® Certified end-to-end. FIDO is considered the gold standard for phishing-resistant, passwordless authentication by governing organizations such as CISA, NYDFS, OMB and others. Many other solutions claim "FIDO-support" or "FIDO-compliance," or may be FIDO Certified in a single component only, such as the server.

Meet Compliance and Zero Trust Requirements

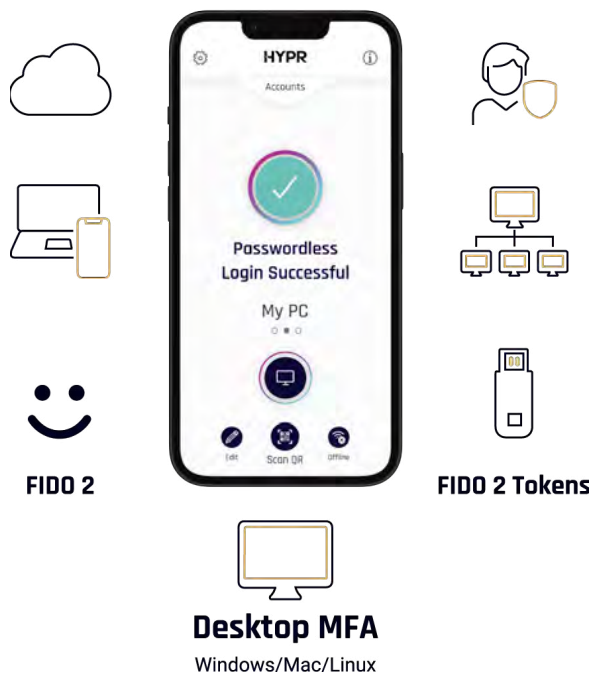
HYPR does not use passwords, PINs or shared secrets that could violate data security mandates. Each user's cryptographic material, including authentication keys and biometrics, is stored in the trusted platform module (TPM) on their device. HYPR helps you align with official industry guidance for phishing-resistant MFA and meets and exceeds MFA requirements set by the NYDFS, the FFIEC and other regulatory bodies.

HYPR Authenticate adheres to NIST AAL3 and is FIDO Certified on all components, meeting the gold standard for Zero Trust authentication defined by CISA and other agencies.

Integrate Rapidly; Reduce Identity Sprawl

Eliminate passwords across Windows, MacOS, and Linux machines, as well as virtual desktops (VDI) and virtual private networks (VPN).

Many organizations manage multiple SSOs and identity providers such as Okta, Ping and Microsoft Entra ID. HYPR integrates with all major providers, decoupling the authentication process so you don't get caught in vendor lock-in and users gain a unified authentication experience. Deploy best-of-breed technology and get more value from your existing infrastructure.



Bring Legacy Apps Into The Passwordless Era

Legacy and proprietary applications traditionally pose a challenge in updating to current authentication standards. HYPR partners with identity orchestration providers so even the oldest applications and most customized security stacks can seamlessly use passwordless MFA.

Passwordless Anywhere, Including Offline

HYPR Offline Mode ensures passwordless MFA is available even when connectivity isn't. Offline Mode leverages a secure decentralized PIN that allows your

mobile workforce to safely log in from anywhere.

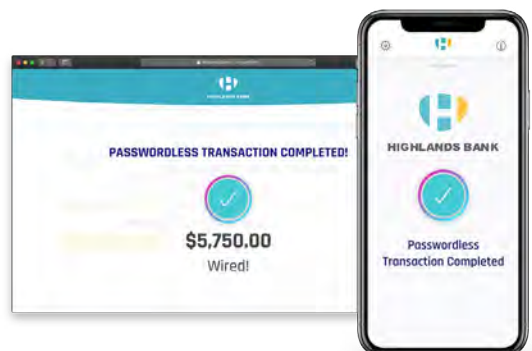
PINs are stored in the device secure element and can only be used once. Administrators choose to activate this feature along with the PIN definition, number of PINs permitted and validity period. Each time the user successfully authenticates online, new PINS are generated, and all current PINs discarded.

Secure Customer Authentication

HYPR's secure passwordless customer authentication supports both synced and device-bound passkeys, giving your users a consistent mobile-to-web login experience and accelerating transaction velocity with passwordless transaction approval. HYPR is scalable to millions of transactions per minute and addresses PSD2 SCA requirements, including cryptographic signing of every transaction and unique dynamic linking.

Add Risk-Based Authentication Controls

HYPR Adapt employs a powerful risk engine that enables dynamic adjustments of security policies in response to real-time risk assessments. This feature ensures that access controls are flexibly tailored to each user's unique context and dynamic threat landscape. By continuously adapting security measures based on the latest risk evaluation, organizations can maintain a granular and personalized security posture, mitigating risks effectively and minimizing the potential for unauthorized access or breaches.



Rely on the Passwordless Leader

Organizations face a multitude of problems with passwords and legacy MFA, cutting across security, operations, productivity, engagement and user adoption. Moreover, as history has demonstrated, security threats, business climates and operating environments are all dynamic. HYPR delivers best-of-breed security and an unparalleled, fast and consistent user experience to protect your users, services and brand reputation now, with the flexibility and forward compatibility to meet future evolving conditions.

HYPR has a demonstrated track record securing organizations globally, with deployments in some of the most complex and demanding environments, including finance and banking, critical infrastructure and government. HYPR's solutions have been independently validated to return a 324% ROI and deploy faster than other solutions on the market. HYPR understands change management and the focus on effectiveness for a critical path product. HYPR also holds ISO and SOC2 Type 2 certifications, and is verified as ADA Compliant.

Create Trust Throughout the Identity Lifecycle

HYPR Authenticate is an integral part of the HYPR Identity Assurance Platform, which combines modern passkey-based authentication with adaptive risk mitigation, automated identity verification and a simple, intuitive user experience. HYPR Identity Assurance provides the strongest end-to-end identity security, allowing organizations to detect, prevent, and eliminate identity-related risks at every point in the identity lifecycle, from onboarding to goodbye.

HYPR

THE IDENTITY ASSURANCE COMPANY

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