SOLUTION BRIEF

HYPR Enterprise Passkeys for Microsoft Entra ID

Protect your Entra environment with Microsoft-approved phishing-resistant MFA

Turn smartphones into FIDO device-bound passkeys built for your Microsoft environment. Officially validated by Microsoft, HYPR Enterprise Passkeys provide the assurance of hardware keys, the convenience of a mobile app, and the features and flexibility that enterprises require.

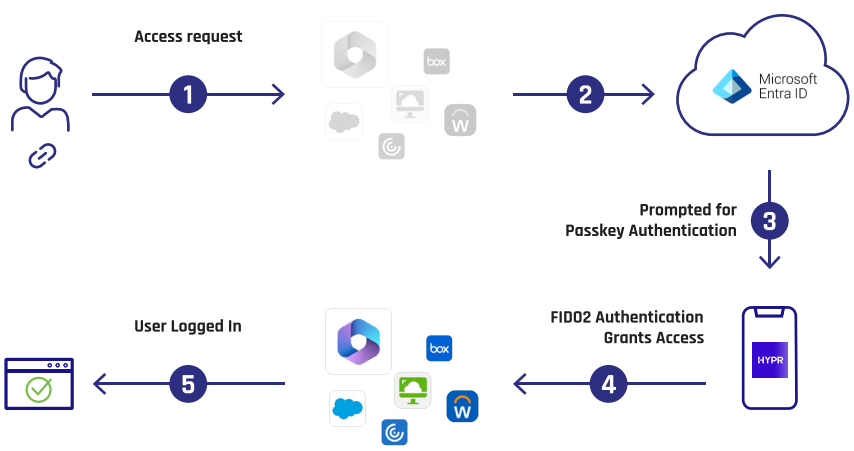
Harden Your Entra ID and Hybrid Environments

Passwords and traditional MFA are vulnerable to phishing, prompt bombing and other attacks, yet they are often the only thing standing between an adversary and your Entra ID environment. As the access point for Azure, Microsoft 365 and any other connected SaaS application, compromise of an Entra ID account can have widespread impact. HYPR Enterprise Passkeys seamlessly integrate proven phishing-resistant passwordless authentication with your Entra-joined and hybrid environments. With HYPR, an ordinary smartphone becomes a Microsoft-approved, virtual FIDO2 security key.

How HYPR Enterprise Passkeys Work

Through our tight Entra ID integration, HYPR enforces phishing-resistant authentication flows to your devices, SSO and connected cloud apps.

Web Application Login Flow

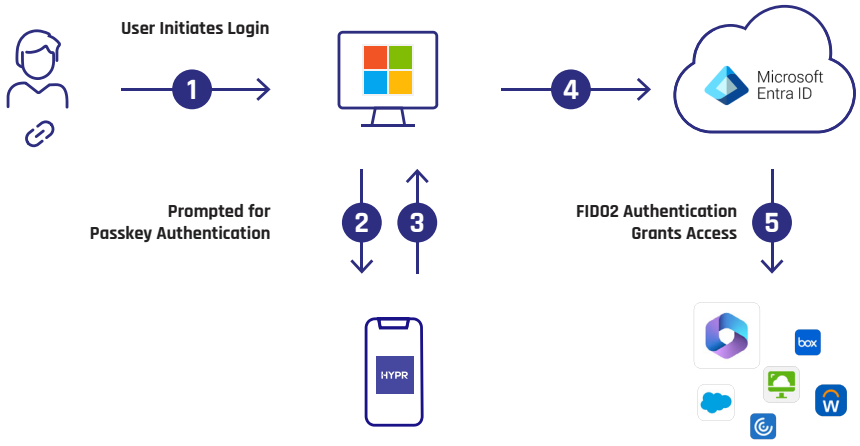


1. User requests access to an application protected by Entra ID
2. Directed to Entra ID
3. User prompted for passkey authentication using HYPR
4. Valid authentication via FIDO2 passkey grants access
5. User is successfully logged in to the requested application

HYPR Enterprise Passkeys Key Benefits

- Prevent ATO with Microsoft-validated, FIDO2 passwordless authentication
- Enable easy, self-service passkey provisioning
- Provide a simple, consistent authentication experience for all users and applications
- Enforce seamless, phishing-resistant MFA from desktop to cloud, across Entra and hybrid environments
- Meet the new MFA requirements for Azure, Entra and Intune, without adding friction

Desktop Login Flow



1. User initiates login to their Entra ID-connected workstation
2. User prompted for passkey authentication using HYPR Enterprise Passkey
3. Valid authentication via FIDO2 passkey logs the user into their workstation
4. Valid FIDO2 passkey authentication grants PRT token Entra ID
5. User is granted access to Entra ID protected applications according to policy

Solution Features and Benefits

Eliminate Shared Credentials
Completely remove passwords and shared secrets from your authentication processes. HYPR protects your Microsoft environment from unauthorized access and account takeovers with FIDO2 passwordless MFA. No phishable factors or password-based fallbacks ever — even when offline.

Make Authentication Fast and Simple
Provide best-in-class UX and a fast, familiar authentication experience across your populations and use cases. With Enterprise Passkeys, users authenticate with a single gesture to gain access to Entra ID and all downstream apps. HYPR is also fully interoperable with FIDO2 hardware keys, smart cards and platform authenticators, such as Windows Hello, to provide users with their choice of authenticators.

Set up is just as easy. Get employees up and running quickly with single point registration and simple self-service provisioning.

Easy, Passwordless Desktop MFA
Solve your desktop MFA gap for Windows, MacOS, Linux and VDI endpoints. Employees passwordlessly login to their workstation with HYPR using two independent factors. The authenticated identity is automatically passed to Entra ID. No additional verification steps unless required by conditional access policies.

Drive Compliance Without Sacrificing Convenience
Ensure your authentication processes meet the new Azure MFA mandate and security directives for phishing-resistant MFA from CISA, OMB, NYDFS and other regulatory bodies. HYPR Enterprise Passkeys never leave the device after registration, so you can confidently attest to their provenance and legitimacy without deploying or requiring MDM.

Maximize Your Microsoft Investment
By adding HYPR, you gain greater security, flexibility and control for your Microsoft and non-Microsoft environments. HYPR is platform agnostic, integrating with all major IdPs, whether on-prem or cloud. This unifies siloed identity systems and streamlines transition to Entra ID.

Enterprise Passkeys are part of the HYPR Identity Assurance solution, which ensures continuous end-to-end identity security for your entire enterprise:

- Secure identities from Day 0: Tie real world identity to digital credentials by uniting identity verification with provisioning workflows
- Leverage HYPR's high-fidelity data, IdP data, and endpoint and browser risk signals for conditional access decisions
- Integrate identity verification as a core security component

Synced vs. Device-Bound Enterprise Passkeys

Passkeys replace passwords with a cryptographic key pair and on-device authentication to make user login easier and more secure. There are two primary types of passkeys, which differ in functionality and purpose.

Synced Passkeys
The standard passkeys offered by Apple, Microsoft, Google and others are managed by those platforms and can be synced between the user's devices via the operating system's cloud service. They are primarily meant for consumer use as they live outside enterprise control and lack certain enterprise security and functionality requirements.

Device-Bound Passkeys
A device-bound passkey cannot be shared amongst devices. It is designed for enterprise environments with security and operational requirements that make synced passkeys unsuitable. HYPR Enterprise Passkeys are built on this type of passkey. It operates within a technology stack, covering the entire range of enterprise use cases, from desktop to cloud.

Learn more about the HYPR | Entra ID integration at

hypr.com/entra-id

About HYPR

HYPR, the leader in passwordless identity assurance, delivers comprehensive identity security by unifying phishing-resistant passwordless authentication, adaptive risk mitigation and automated identity verification. Trusted by top organizations including two of the four largest US banks, HYPR ensures secure and seamless user experiences and protects complex environments globally.

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