Why You Need FIDO End-to-End Authentication

HYPR is the only software authentication solution certified by FIDO across all platform components

FIDO certification has been named the gold standard for phishing-resistant passwordless authentication by organizations such as CISA and the OMB. Many authentication solutions claim to be FIDO Certified when they only support FIDO standards or a single component of the solution, like the server, has FIDO certification. This means that the authentication process may use less secure methods that do not comply with FIDO standards.

The HYPR platform is FIDO Certified from end to end. Organizations that deploy HYPR can be confident that their authentication processes are fully interoperable and meet strict regulatory and security requirements while providing a frictionless experience for users.

The Power of Full FIDO

A FIDO end-to-end certified solution adheres to FIDO standards in its authenticator, client, SDK and server. It does not use passwords, one-time passwords (OTP), or any type of centralized credential, at any point in the login flow. This includes desktop and workstation login, in addition to applications. Instead it uses asymmetric cryptography where the public-private key pair is generated on the user's client device. The private key remains securely stored with the user at all times within a trusted execution environment (TEE) or Secure Enclave — helping businesses become highly resistant to phishing, push attacks, MitM attacks and other credential-based threats.

If a solution lacks certification for its client or SDK then you are not getting the benefit of a FIDO end-to-end solution.

Built-In Regulatory Compliance

The FIDO standards and many regulations on authentication share common requirements. The asymmetric cryptography architecture and multi-factor authentication methods defined by the FIDO U2F (Universal 2nd Factor), FIDO UAF and FIDO2 standards match guidance from NIST (800-63B A), the FFIEC, the OMB, CISA, the FTC and NYDFS in addition to other frameworks such as Zero Trust and PSD2 Strong Customer Authentication requirements.

Highest Level Assurance from Day One

By using a solution that is FIDO Certified across all components you ensure your authentication processes meet the highest levels of assurance. FIDO protocols are designed from the ground up to protect user privacy.

Benefits

Comply With Guidance and Best Practices

Comply with guidance recommended by OMB, CISA, FTC, NYDFS and other regulatory bodies.

Fully Interoperable, No Vendor Lock-in

Use the identity providers and authentication methods of your choice and futureproof your stack for new business models and security risks.

Improve Security and User Experience

Get fast, frictionless authentication for your workforce and customers without compromising on security.

Leverage Open Standards

A fully FIDO Certified solution eliminates vendor lock-in so you can choose best of breed tools at any time. More importantly, it ensures ongoing interoperability and streamlines development and deployment. That's better for your business, better for your team and better for your customers.

HYPR complies with FIDO standards across all of its components, meaning you can keep your current identity system or move to a new provider. A simple, unified experience across devices and channels brings a short learning curve and less user frustration.

Future Proof Your Authentication Strategy

HYPR leverages the latest authenticator technologies and is purpose-built to keep up with evolving regulations. New authentication methods and second-factor devices easily plug and play with the FIDO Certified HYPR Cloud Platform.

Comparison of FIDO Certifications

Ask vendors if their mobile client, SDK and validation server are all FIDO Certified, and verify their claims with the FIDO Alliance's **online registry of Certified technologies**.

	HYPR	1Kosmos	Trusona	Transmit Security	Secret Double Octopus	Veridium	Beyond Identity
FIDO UAF Certified Client (Android)	✓	No	No	No	No	No	No
FIDO UAF Certified Authenticator (Android)	✓	No	No	No	No	No	No
FIDO UAF Certified Client/ Authenticator Combo (iOS)	✓	No	No	No	No	No	No
FIDO2 Certified Mobile Authenticator	✓	No	No	No	No	No	No
FIDO2 Certified Server	✓	✓	✓	✓	✓	✓	No
FIDO UAF Certified Server	✓	No	No	✓	No	No	No

Note that most IdPs have no FIDO certifications. Adding a solution such as HYPR is the only way to align your IAM systems with FIDO standards.