CORE for Identity Security

Unbound CORE for Securing Identity streamlines your authentication process to one step without compromising on security.

In today's global economy, organizations are expected to match their digital infrastructure to meet the demands of the millions of on-the-go end users. However, as devices and endpoints multiply, so does the need to simplify secure authentication in practice, with the trust and assurance that user data and identity are not exposed to security vulnerabilities. On the one hand, securing devices with traditional secure endpoint methods can cause serious user experience (UX) issues; on the other, making compromises to security in favor of a better UX can turn the authentication process itself into an easy point of entry for an attack. Moreover, both hardware and software token authentication carry with them significant time and financial cost for deployment, maintenance, upgrade, and replacement.

Unbound CORE removes the security vs. usability tradeoff for your enterprise – so you can focus on providing higher quality services, better UX, and best-in-class security while reducing your cost footprint.

Use Cases

- Virtual Enclave SDK for Mobile

- Virtual Enclave SDK for Desktop

- PKI and Certificates

Seamless, Secure Authentication on Any Endpoint

Traditional hardware and software tokens present serious security and operational issues in an increasingly mobile environment.

Hardware tokens incur high maintenance, integration, and replacement costs. They are also a burden for the end user, who must remember to keep the token on hand before and during every operation/account transaction; and a burden for the business, who must keep dedicated teams for the tokens' upkeep.

Software tokens present vulnerabilities on mobile phones and devices, where the key material for the transaction/operation is exposed every time the key is used; the custom development and hands-on maintenance presents operational issues for the business, and technical issues integrating with mobile cryptographic API, iOS, and Android.

Go Passwordless

Passwords (whether the alpha-numeric kind, or one-time password [OTP] generators through the organization and/or third party) are meant to protect data – but they often are especially vulnerable. UX issues are also abundant.

Common password/OTP authentication issues include social engineering (easy for attackers to steal passwords or force access to OTPs); lack of encryption (for SMS OTPs); placing the burden on the end user to remember an alpha-numeric password; SMS OTP delays; lack of backup support for third-party OTPs; and constant switching between apps to complete a transaction.

Features

CORE is built to integrate into existing workflows and has features enterprises need to manage and secure keys on any endpoint, anywhere.

Brute Force Proof Authentication Factors

CORE provides multi-factor authentication (MFA) that can be used to authorize any usage of the cryptographic key. CORE supports PIN code, password, fingerprint, and face recognition. Authentication takes place using the MPC algorithm between the endpoint and the CORE server -- thus preventing brute force attacks on the endpoint side.

Central Management and Real-Time Tamper Proof Audit Trail

The CORE server includes a real time tamper-proof audit log of any crypto operation performed on the endpoint (e.g., signing authentication token, signing a transaction, data decryption). The audit log data can be fed into a SIEM, UEBA or a risk engine, allowing detection of crypto key usage anomalies in real time. Cryptographic data logs are audit and compliance ready.

Instant Revocation

When things go wrong and an endpoint is suspected to be compromised, CORE allows you to instantly revoke any key sitting in the CORE system – preventing theft before it start.

Why Unbound?

Best-in-class cryptographic key security built for global enterprises

Streamlined UX

Lower TCO than legacy solutions

Cryptographic experts on staff anticipate, fix, and manage security issues

Experience with tier-1 banks and Fortune 500 companies in North America and around the world

About Unbound

Unbound Security is the global leader in cryptography and empowers enterprise customers worldwide to confidently secure, manage and authenticate all critical business transactions, information, identity, and crypto assets – anywhere, anytime. Unbound CORE is the enterprise platform of choice for secure key management, trusted by many of the world's largest banks and Fortune 500 companies. Unbound Security is a recent recipient of the Deloitte Fast 500 award and is headquartered in New York, with R&D facilities in Tel Aviv.

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