



1KOSMOS BlockID Workforce



Forget your usernames *and* passwords. Really.

Despite the tremendous advances over the last 30 years that have completely transformed the way we live and work, one fundamentally important technology has seen almost no change in that same time: identity.

Username and passwords are still overwhelmingly the mechanism that's used, despite ample evidence of their extreme weaknesses.



A single compromised credential can lead to millions of dollars of exposure for an enterprise. Even without a breach, the costs are eye opening:

\$15-\$70

The cost to reset a password per user per Instance

57%

Percentage of your workforce that has reset their password in the last 90 days

49%

Percentage of people who reuse passwords

\$1M

Average annual password-related spend per company



To improve security, many companies now require users to create complex passwords and to change them frequently, or use cumbersome multifactor authentication (MFA) solutions, which come with their own costs and headaches:

20%-50%

Percentage of help desk calls that are password related

30 Days

Average age of a password in an enterprise before they need to be reset by employees.

55%

Percentage of organizations that do not use MFA and want to eliminate this as part of the logon experience

BlockID Workforce is the answer to these challenges.

It's a more efficient solution that replaces usernames and passwords with biometrics. It reduces risk and improves the overall employee experience with Zero Trust Security.



"Cybercrime is a daily threat to every organization and government across the globe...These Verizon solutions offer a significant step forward in cybersecurity protection."
Alex Schlager, Executive Director and Chief Product Officer of security services at Verizon Business

Analysts coverage

Blockchain Identity, Decentralized Digital Identity (DID), and Self-Sovereign Identity (SSI) are all revolutionizing Identity and Access Management (IAM) — and industry analysts have taken note.

Gartner

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ANALYSTS

FORRESTER

451 Research



BlockID Workforce

Reduce risk and simplify compliance

BlockID Workforce is a next-generation identity solution designed to greatly improve the security of your corporate network and enterprise applications by eliminating usernames and passwords and the need for separate MFA solutions — and all the risks, costs and hassles that go with them.

With BlockID Workforce, users capture their face, voice and fingerprints on a secure mobile app that is supported by a blockchain. These biometrics are then associated with their corporate credentials, which enables them to authenticate using their biometrics instead of their username and password.

BlockID Workforce combines both ease of use and enhanced security. It's 100% compliant with Cyber-Authentication Technology Solutions Interface Architecture and Specification Version 2.0 (CATS2 IA&S), FIDO2 UAF, and the Pan-Canadian Trust Framework.

More than just Windows

BlockID Workforce provides out-of-the-box integrations not only for Windows but also for Unix servers, web applications, Mac OS, and other custom logins to help ensure a consistent login experience across the diversity of systems you'll find in today's enterprise. It also comes with a software development kit (SDK) so you can customize it to meet your needs, integrate it into an existing app or create a white label solution.

Replace cumbersome MFA with a better experience

Your employees will no longer need to carry dongles or keys to get a token for them to enter as their second factor. Instead, BlockID Workforce uses their face, voice or fingerprint, eliminating the need for cumbersome and annoying tokens, devices or separate applications.

Become passwordless in 30 Minutes

Creating a passwordless enterprise is far faster and easier than you might imagine. You can integrate BlockID Workforce with Active Directory in less than 30 minutes. We'll even give you a free trial.

The ultimate in security and reliability

With BlockID Workforce, your users' identity data is encrypted and replicated across multiple online servers in a blockchain, so there's no centralized database and no single point of failure. The blockchain acts as an index of identifiers and an audit trail for the exchange of verifiable claims. The security and anonymity inherent to the blockchain protects your data in ways that no legacy identity management system (IDM) can match. It's also blockchain agnostic – it will run on any blockchain technology with the ability to interoperate.

Why Blockchain?

A blockchain is a distributed database used to record digital transactions, which are linked and secured using cryptography. The transactions are immutable – that is, they cannot be altered retroactively. When information needs to be added or updated, the change is verified, authorized, recorded and sealed off by encryption in a "block" of data, unable to be edited again. The new block is then cryptographically linked to the previous block to form a chain – a blockchain – that's a complete, chronological record of all transactions. Having a distributed ledger provides the security and audit traceability. It also eliminates the need to maintain master passwords.

No passwordless identity solution offers greater compliance than BlockID





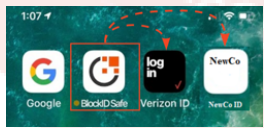
BlockID Workforce

Reduce risk and simplify compliance

Creating an Identity Safe and enrolling credentials

STEP 1

User downloads the company-branded app



STEP 2

App automatically creates a unique digital identity account and provides user with a private key

Private Key



Private Blockchain

STEP 3

User registers by linking existing accounts (i.e. Active Directory). Passwords are replaced with certificates.



Private Blockchain

STEP 4

Identity is protected and validated with biometrics



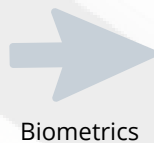
Private Blockchain

Using the Identity Safe for passwordless login



Login with Biometrics

User scans a QR code or receives a push message to start authentication. Then login with TouchID or a live face scan to authenticate

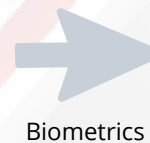


Biometrics



Permissioned Access Granted

The user is authenticated and given access to their accounts on any integrated cloud system or workstation



Biometrics

Private Blockchain
Queryable
Ledger



Access Logged ✓

The access record is logged to the Blockchain, providing an immutable record of access and satisfying Cyber Security and Regulatory challenges