



BlockID : Hope-Based Authentication vs Identity-Based Authentication

We have been relying on usernames and passwords for years, which we all know are the root of so many security and usability problems. A username and password have resulted in what we call "Hope-Based Authentication", or HBA.

Username + Password = Hope!

In other words if you are using a username/password anywhere in your systems:

You hope that your user can remember a username and password

You hope that they can figure your cumbersome MFA system

You hope that the password was not stolen from a central DB

You hope that the password was not stolen via a Man-In-The-Middle (MITM) attack or socially engineered.

Well, as we all know: Hope is not a strategy!

Explore how BlockID introduces true Identity-Based Authentication to your systems and user experiences.

[Try it free!](#)

Fact: The cost of passwords and MFA systems is enormous!

Look at what the industry has done to strengthen HBA:

Because usernames and passwords are so insecure, the industry has created a dozen "layered" technologies in an attempt to strengthen them:

KBA

2FA

MFA

RBA

SSO (WEB)

SSO (FEED)

Password Managers

Passwordless

FIDO

WebAuthN

U2F

Biometrics

Replace ALL of that With Identity-Based Authentication

It's as easy as... 1, 2, 3:

Step 1: Proof the user

Step 2: Issue the user their credentials

Step 3: Let them, and only them, use these credentials

With 1Kosmos BlockID, your customers will always be who they say they are. So will your employees!

- 1Kosmos BlockID enrolls identity attributes that include the user's biometrics. We reach the highest level of assurance (IAL3) in terms of identity assurance per the NIST 800-63 Guidelines. **The creation of a synthetic identity becomes virtually impossible.**
- We authenticate users by reaching the highest level of assurance (AAL3) per the NIST 800-63 Guidelines.
- The utilization of advanced Biometrics to secure the identity of your customers and employees. A hacker cannot reproduce and therefore compromise the analysis and result of a liveness test, for example.

- A distributed ledger that is virtually uncompromisable and that initiates peer-to-peer transactions while ensuring the immutability of the data stored is the answer to risks associated with systems hacking.
- The combination of advanced Biometrics to enroll and authenticate your customers and employees and distributed ledger technology guarantees data is securely stored while facilitating all exchanges between your consumer and your platform or between your organization and your employees.
- Users' and employees' data is **stored encrypted**.



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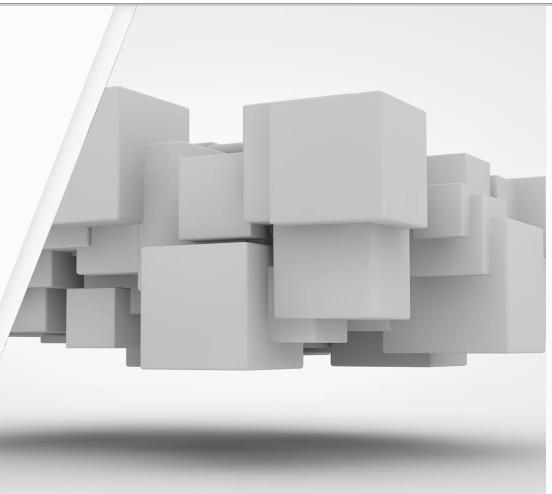


Data Storage and The BlockID Blockchain Ecosystem.

Our Blockchain-based data storage architecture promotes trust between your organization and your customers for all transactions purposes and more and mitigates internal fraudulent issues.

Leveraging the BlockID Blockchain Ecosystem entails storing the customers and employees biometric information in a virtually incorruptible system to ensure they are who they say they are at all times throughout the process. Employees' and customers' data stored in our distributed ledger aren't subjected to data breaches.

The immutability of a distributed ledger is leveraged to record service provider-customer interactions. The document can never be modified, leaving an auditing trail, and therefore creating trust between all parties involved.



Contact us to learn more about BlockID for Financial Services.

Email*

Mobile phone number

First name*



Last name*

Company name

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verizon^v

chose 1Kosmos BlockID

“Cybercrime is a daily threat to every organization and government across the globe...These Verizon solutions (powered by 1Kosmos BlockID) offer a significant step forward in cybersecurity protection.”
Alex Schlager, Executive Director and Chief Product Officer of security services at Verizon Business

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