



For more details visit: <https://www.truth.id/truth-biopass>





What is truth Biopass?

Truth Biopass is an authentication service that enables businesses and consumers to remove their dependency on insecure passwords. Biopass enables users to use any combination of their biometrics (face, voice, fingerprint) to replace passwords for any online account, and they can also use Biopass to protect important documents and approve transactions.

What is Passwordless Authentication?

Passwordless authentication is the process of verifying the identity of a user that does not require the user to provide a password. Instead of passwords, proof of identity is based on possession of something that uniquely identifies the user such as a registered mobile device, or the user's biometrics.

Why do I need truth Biopass?

1. Improved security

Verizon research indicates that [81% of breaches](#) were attributed to stolen credentials. This should not come as a surprise given a 2019 survey by Avast revealed [83% of Americans](#) use passwords that do not include numbers, special characters, upper and lower case letters, and do not create passwords that are at least 10 characters long. The survey also found that 53% use the same password to protect multiple accounts, further putting their accounts at risk of being hacked. In summary, continued use of passwords is contributing significantly to the risk of data breach.

2. Enhanced user experience

Individuals who don't use the same password for all accounts are faced with the challenge of keeping track of them. Research by the [Ponemon Institute](#) shows that 53% of users rely on their memory to track passwords. Needless to say, this method is flawed. Saving passwords in a browser (32%) or in spreadsheets (26%) are other common approaches. Respondents also admitted to manually jotting passwords down in a notebook or on a sticky note (26%). While better than simply forgetting, none of these methods are really safe.

People have a hard time coming up with passwords that work. And when they create strong passcodes, they tend to forget them easily. Research by TeleSign indicates [73% of respondents](#) consider forgetting passwords the most frustrating aspect of account security. If we came up with another way of proving our identity when entering websites and software products, [six out of 10 users](#) would gladly embrace the change.

3. Reduction in Total Cost of Ownership (TCO)

Removing passwords reduces support costs such as responding to customers who have forgotten their password. By substantially mitigating the risk of password phishing, sharing and reuse, businesses can also reduce the costs of preventing and responding to data breaches. IBM estimate the average cost of a data breach [US\\$3.92m in 2020](#).

How Does Passwordless Authentication Work?

A key feature of passwordless solutions is that authentication credentials are not fixed within the system. Instead, new authentication data is generated at the beginning of every session. From a security perspective, truth biopass use the strongest passwordless solutions consisting of multi-channel and out-of-band authentication mechanisms. Biopass enables users to replace passwords with their encrypted biometrics (choice of face, voice, fingerprint) for maximum security and ease of use. User biometrics are fragmented, salted, encrypted, and sharded based on a mathematically unbreakable Secret Sharing scheme, resilient to the full range of known attacks.

What Attacks Does Passwordless Authentication Prevent?

Passwordless solutions help prevent attacks that exploit the inherent weaknesses in password authentication, such as sophisticated guessing mechanisms as well as methods that get between authenticated users and servers to intercept communications. These include:

- Credential stuffing
- Password spraying
- Man in the middle attacks
- Phishing and Spear Phishing
- Mimikatz
- Rainbow Table
- Corporate Account Takeover
- Dictionary Attack
- Meterpreter