![Fulcrum biometrics logo]

FbF® bioLOGIN
## Identity. Authenticate. Protect.

Security Starts with Identities

In an increasingly connected world, the issue of identity, and its inherent connection to security, is more important than ever. The explosion of cloud, mobile devices, and connected things, as well as the consumerization of information technology (IT), has increased the risk of a cyber-security attack due to compromised identities, accounts and credentials. Therefore, managing the security of user identities has become a top priority initiative for organizations. With a variety of different types of users in an organization, it can be challenging to manage the security of your employees, partners and contractors.

FbF bioLOGIN® offers a new, user-friendly, flexible, and customizable identity and access management solution, capable of operating within a diverse industry centric architecture.

- **Single Sign On**
- **Windows Desktop Security**
- **Multi-Factor Authentication**
- **Identity Management APIs**
- **Universal Directory**
- **Large Scale Identification**
- **Transaction Verification**
- **User Management APIs**
- **Secure-Commerce Transactions**
- **Passwordless Website**

Secure Everyone Everywhere

FbF bioLOGIN is the single platform that gives your Organization a secure standards based way of seamlessly managing the identities of your workforce, contractors and partners. Built around robust matching algorithms, **FbF bioLOGIN** incorporates authentication as an integral part of a user's identity (not as an "add-on" feature) so that your organization can incorporate multiple authentication modalities depending on business requirements. With **FbF bioLOGIN**, you can secure users on all platforms, for all applications, to solve your cyber-security business challenges while giving everyone confidence in the digital world.
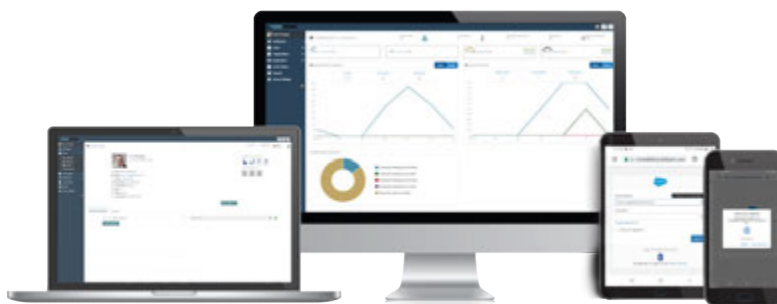
How Does FbF bioLOGIN Help Organizations?

Workforce Protection

FbF bioLOGIN secures your employees, contractors and vendors by using strong authentication and universal single sign-on to access and secure business applications and processes. **FbF bioLOGIN** protects your workforce's laptops and desktops by enabling strong authentication to login. If you have custom applications, processes or physical devices that require authentication of your users, **FbF bioLOGIN** provides REST based WebAPIs that can be integrated into any workflow on any platform. **FbF bioLOGIN** can work alongside Active Directory and AzureAD to provide a single point of management for your user identities.

Universal SSO Engine

Application and website login screens can be classified into two categories – those that implement an industry standard login process compatible with OpenID Connect, SAML or WS-Federation, and those that do not implement any SSO standard. **FbF bioLOGIN's** Universal SSO Engine can be an identity provider to any site that complies with the standards listed above, or it can store a user's username and password in its secure Vault and fill it into an application that follows no standard. **FbF bioLOGIN** can perform SSO into applications running in a browser window as well as applications that run on the computer's desktop.

Multi-Factor Authentication

FbF bioLOGIN supports a wide variety of authentication methods to grant secure access to applications in your business. This includes using biometrics like fingerprint, palm vein and face, security devices like smart cards and tokens or platform authentication like Windows Hello, Apple TouchID, FaceID or Android biometric login.

Technology Built on Proven Standards

When it comes to security, **FbF bioLOGIN** implements the standards that have been proven in the industry. **FbF bioLOGIN** supports OpenId, OAuth 2.0 and SAML for maximum compatibility and security for single-sign on applications. SCIM 2.0 allows **FbF bioLOGIN** to work seamlessly for identity management and user provisioning across multiple domains and systems. **FbF bioLOGIN** uses the latest FIDO 2.0 and W3C WebAuthn standards that allows for tokens, and security devices built into phones and laptops to be used with any additional browser extensions or client software installation. W3C standard which is supported by all new browsers.

Single Sign-On (SSO) to B2B Applications

fiserv.
Cisco webex
Office 365
Dropbox
zoom

Authentication Modalities

- Fingerprint
- Palm Vein
- Windows Hello
- Android Biometric
- iOS TouchID/FaceID
- Phone Based Authenticator

IAM Standards

- Open ID Connect
- OAuth 2.0
- SAML 2.0
- SCIM 2.0
- FIDO 2.0
- W3C WebAuthn(FIDO)
- WS Federation
- ADFS

On-premise secure deployment

The **FbF bioLOGIN** server is designed using modern cloud-based technologies. The server can be deployed in a dedicated hosted environment on-premise thus ensuring that your organization's critical identity data never leaves your trusted network. As your organization grows, the **FbF bioLOGIN** server capabilities can be easily scaled up just by adding additional servers in a load balanced environment. Failover and disaster recovery protection can be deployed using additional **FbF bioLOGIN** servers inside (or outside) your network. The **FbF bioLOGIN** server makes it simple to deploy identity governance, provisioning, administration, and auditing features in your organization.

Client · Network · Load Balancer · Server-1 · Server-2 · Server-3 · Database 1 · Database 2
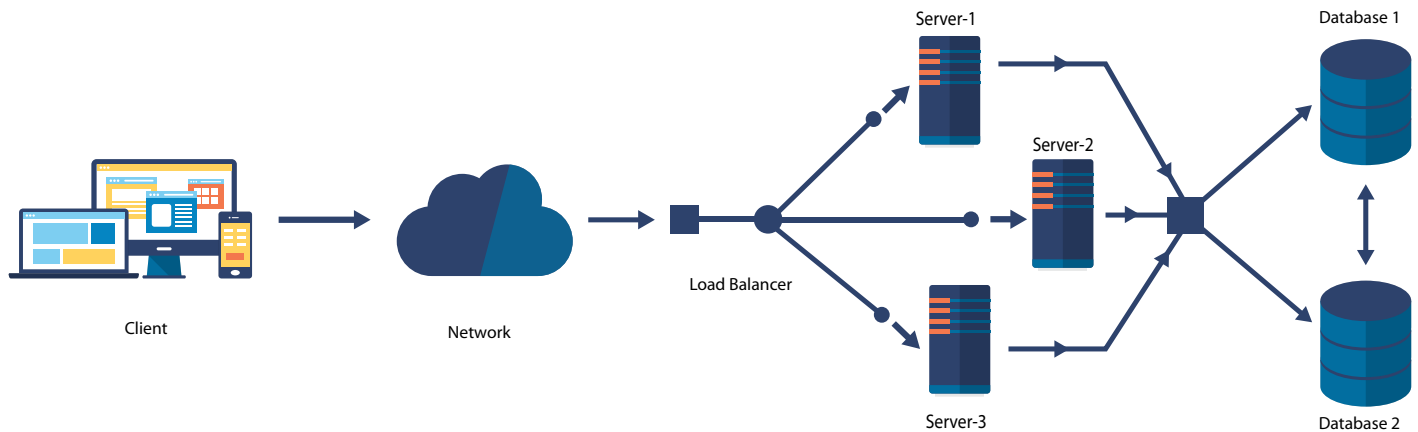
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