



## Biometric Solutions

BIO-key gives your organization the ability to positively identify users before granting them access to valuable corporate resources, web portals and applications. Powered by our patented Vector Segment Technology™, our VST, WEB-key® and BSP solutions allow you to seamlessly integrate fingerprint biometrics into virtually any application. Compatible with most major operating platforms and databases, BIO-key delivers a tangible return on a security platform investment that:

- **Protects access to facilities, databases and applications**
- **Improves user convenience**
- **Lowers operating costs**

BIO-key solutions are integrated into **retail, healthcare, financial, education, and civil applications**, and provide secure and convenient user identity to:

- **Reduce fraud**
- **Simplify ID credential management**
- **Protect user privacy**
- **Ensure regulatory compliance**

We offer three Software Solutions that enable our vertical solution provider, OEM, and integrator partners to quickly and seamlessly integrate our strong and 'convenient to use' identification technology into their applications.

### SOFTWARE SOLUTIONS

**Vector Segment Technology™** – Our VST™ provides the tools to build positive identification within virtually any application. Our patented Vector Segment Technology platform gives your application complete control over the user enrollment and authentication processes. Employing a secure data architecture, this solution delivers a foundation that "future proofs" your applications.

Core capabilities include:

- "Reader Interoperability" supports every major fingerprint reader manufacturer
- Flexible, server-centric architecture customizable to meet specific needs
- Full identification engine (supports 1-to-many searches)
- 41-step image enhancement and encrypted template process
- Compliant with Bio API standards
- Fast search capability for real-time, real-situation identification

**WEB-key®** – brings biometric security solutions to Windows and Web applications. WEB-key supports an Internet-ready, 3-tiered architecture based on our proprietary Vector Segment Technology™. Using WEB-key, you can add a fast, highly accurate user authentication process to your existing or new application.

WEB-key delivers these capabilities to biometrically enable your application:

- Quick, scalable and reliable network based implementation
- Complete, secure authentication for web and thin client applications
- Centralized authentication and data security

*BIO-key is the leading provider of robust fingerprint identification solutions.*

*We distribute our biometric security software to virtually every market segment in partnership with our network of vertical solution providers, OEMs, and integrators. Our business model is based on providing our partners with the most cost effective, convenient, and secure biometric based authentication software and we are committed to supporting our partners with superior identification technology and support to ensure our mutual success.*

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### **The BIO-key partner network**

*has incorporated secure, convenient biometric identity authentication into a wide spectrum of turnkey and customizable applications.*

*Our technical team is available to meet with you to understand your specific requirements and to recommend what existing partner applications are available to meet your needs. We can also help you identify what resources are available to build a solution that can be tailored for your specific application.*

**Biometric Service Provider (BSP)** – Conforms with the BioAPI Consortium’s standard Application Program Interface (API). BIO-key International’s BSP implementation meets all of the criteria set forth in this standard, plus a host of additional valuable features including:

- Application-ready sample code for quick implementation
- Our patented, highly discriminating template (1500+ data points)
- Customizable user enrollment and authentication screens

### **ADDITIONAL BIO-KEY CAPABILITIES**

**True User Identification®** – Using industry standard Oracle 9i and 10g database servers, the True User Identification framework provides a scalable, easily managed infrastructure for performing large scale identification. For smaller scale implementations, a proprietary database alternative is available.

**ID Director for Oracle Fusion Middleware** – A simple, tightly integrated Authentication Scheme for Oracle’s Fusion Middleware that is secure, scalable and solution orientated. BIO-key also offers a similar ID Director for Computer Associate’s eTrust and SiteMinder platforms.

**Single Sign On (SSO)** – With BIO-key development tools you can integrate biometric security into an existing Single Sign On Application or if you prefer, ask your BIO-key representative for more information on the various Single Sign On alternatives our partners offer.

**Supported Devices** – Unlike other biometric algorithms that are bound to specific hardware, BIO-key’s algorithms offer complete reader interoperability, and interface with the widest array of fingerprint readers. Our ability to “Plug and Play” with every major reader manufacturer, gives you the flexibility to choose the best reader for your application. We even support different readers on the same application to suit unique user requirements for desktops, laptops, public portals, PDAs, wireless devices and doors (entry access), all with a single enrollment.

### **Why is reader interoperability an important feature?**

- It “future proofs” applications, providing flexibility to add/change readers from current and future reader manufacturers as your applications grow and change
- Users ENROLL ONCE and verify/identify on any of the supported devices
- There is no need for reenrollment when you change and upgrade readers