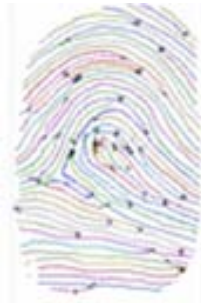




## Biometric Service Provider (BSP) SDK Product Overview

### PRODUCT OVERVIEW

BIO-key International's implementation of the Biometric Service Provider (BSP) is based on BIO-key's patented Vector Segment Technology™ (VST™), the industry's fastest, most accurate and reliable fingerprint algorithm.



BIO-key's BSP provides an easily implemented, BioAPI compliant interface for applications. It supports both verification or identification modalities. BIO-key has taken great efforts to extend this BioAPI to include user identification. Additionally this API's user enrollment and identification screens can be easily customized for a streamlined and seamless application experience.

### Key Benefits

#### Why choose BIO-key's BSP?

- *Built on proven Vector Segment Technology (VST)  
- VST has generated over 400 Million ISO fingerprint templates!*
- *One-to-many fast search capability*
- *Device Interoperability*
- *Scalable & Cost Effective*

#### How it Works

The BioAPI Consortium was formed to establish a widely available and widely accepted API that meets the following criteria:

- Leverage existing standards to facilitate easy implementation
- Develop an OS independent standard
- Supports a broad range of applications

The BioAPI framework enables the rapid development of applications employing biometrics. Applications can query the framework for available BSPs and then load one or more of them in order to access the biometric functions. Each BSP presents an identical interface to the framework.

### FEATURES

- 41 level image enhancement and extraction, yields unparalleled finger discrimination— reducing false accepts and false rejects
- Optimized 1-to-many search capability for alias checking
- Verification (1-to-1) and identification (1-to-many) modes
- Application ready sample code for quick implementation
- Employing VST, a proven, fast, accurate, U.S. based algorithm with a highly discriminate template (1500+ data points)
- Device interoperability for enrollment and authentication
- VST model is an irreversible fingerprint representation
- Easily customized to conform to your business process
- Adjustable matching criteria
- Highly customizable user enrollment and authentication screens

## 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 meet your needs. We can also help you determine what resources can be utilized to build a solution that can be tailored for your specific application.*

## SYSTEM REQUIREMENTS

C++, Java or Visual Basic compatible Environment

**NOTE:** The application server and user data store may reside on the same system. For increased performance, depending on user population, the application server and data store should be maintained on separate servers.

## 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 Single Sign On alternatives offered by BIO-key partners.

**Every Major Reader Manufacturer Supported** – Unlike other biometric algorithms that are bound to specific hardware, BIO-key's algorithms offer complete reader interoperability, and interface with all major fingerprint reader manufacturers. Our ability to "Plug and Play" with a wide variety of readers, 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" your applications, providing flexibility to add/change readers from a wide variety of current and future suppliers 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