



SOLUTION BRIEF

Gemalto and BIO-key: Securing User Access in Tandem

In work environments where employees are required to be mobile but need access to especially sensitive information, such as healthcare or academic records, enforcing authentication can be a challenge. Simple passwords aren't secure enough to comply with regulations governing the protection of data in these industries. Biometric authentication is a secure option that allows employees to quickly authenticate themselves through fingerprint readers. But what happens when fingerprint readers are not available?

The Solution: Strong Authentication with BIO-key and Gemalto

Gemalto and BIO-key bring together two different yet highly complementary authentication solutions to provide a unique and flexible answer to an organization's mobile authentication needs. BIO-key's biometric authentication offering and Gemalto's convenient one-time password (OTP) tokens from SafeNet serve as two different methods that work together to comprise a multi-factor authentication solution for specialized environments. Users who have quick and easy access to both biometrics and OTP login methods on the go can easily move around their work environments, and obtain quick access to the information they need to achieve success in their organizations.

BIO-key Fingerprint Authentication

BIO-key's WEB-key is the most accurate fingerprint-based biometric authentication solution on the market today. The underlying technology is built on more than 40 unique fingerprint image enhancement filters that guarantee low false match and reject rates. Multi-layer, triple encryption prevents fraud or replay attempts. Additionally, using BIO-key's ID Directory platform, administrators can deploy WEB-key in combination with other authentication methods for strong risk-based multi-factor authentication. With BIO-key's

Key Benefits

BIO-key/Gemalto Benefits

- > Provides strong authentication for sensitive information
- > Flexible authentication methods and form factors for different user needs
- > Easy deployment and management for your IT staff
- > Convenient for users – all they need is their token or mobile device.

Gemalto Authentication Solutions

- > Manage all your authentication devices from a single authentication platform:
 - Biometric verification
 - MobilePASS
 - Tokens
- > Ensure secure remote access for employees, partners, customers
- > Strong authentication for SaaS and cloud-based applications
- > Secure access from mobile devices

solution, users simply swipe a finger on an embedded reader or one that is attached to a workstation, laptop, tablet, or smartphone.

SafeNet Authentication Service

SafeNet Authentication Service by Gemalto is a fully automated, highly secure authentication-as-a-service offering that integrates with BIO-key ID Directory to offer an additional layer of strong authentication. SafeNet Authentication Service does not require any infrastructure, is customizable for the user's environment, and automates workflows to improve the user experience and reduce management overhead. The Gemalto solutions portfolio offers a wide range of authentication methods and form factors enabled by SafeNet Authentication Service, including out-of-band, phone tokens,

hardware tokens, and pattern-based authentication. Users can subscribe to SafeNet Authentication Service to deploy WEB-key in their organizations and manage the entirety of their authentication implementation.

Gemalto's authentication solutions provide a perfect complement to BIO-key's fingerprint authentication for instances where a biometric reader is not present or when a second layer of authentication is required. Gemalto supports BIO-key ID Director whether biometric readers are available or not. If readers are available, SafeNet Authentication Service can provide the second authentication factor using one-time passwords (OTP). If biometric readers are unavailable, SafeNet Authentication Service can provide both authentication factors, thus ensuring the strong mobile authentication is still available. Irrespective of employee mobility or the scale of an enterprise's biometric infrastructure, SafeNet Authentication Service and BIO-key combine to ensure that only authorized users have access to sensitive resources.

Gemalto Authentication Makes Implementing Security Efficient and Cost-Effective

Companies can count on easy management of the BIO-key and Gemalto solution, with low IT administration overhead and management time.

Gemalto's authentication solutions offer comprehensive and versatile authentication methods that let customers implement the strong authentication strategy they need to secure access to sensitive information from virtually any location. SafeNet Authentication Service provides a means to deploy multiple methods of authentication and manage them all through a single authentication back end. Supporting the broadest range of authentication methods and form factors, SafeNet gives you the flexibility to meet all the various assurance levels and use cases that your business environment requires – all managed under one roof.

Conclusion

Together, Gemalto and BIO-key offer a combined authentication solution that provides a flexible set of options for users to authenticate themselves throughout their day. Employees partners, and customers can employ the authentication option that's needed or accessible to them wherever they are, whether within an organized environment such as hospitals, enterprises, universities, or retail environments, or simply on the go from their own mobile devices.

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The BIO-key/SafeNet Solution is Perfect for Hospitals and other Ultra Secure Environments

- BIO-key's fingerprint identification software and SafeNet Authentication Service form a complementary authentication solution that gives users convenient and quick access to the sensitive patient information they need regardless of their location.
- As workers move around performing their daily routine, they are able to easily authenticate themselves with a quick fingerprint read or by providing an instantly retrievable passcode from a unique token or their own mobile device. Once identified, they gain immediate access to a room, area, or specified files and information on a computer.

About BIO-key

BIO-key International, Inc. delivers advanced identification solutions to commercial and government enterprises, integrators, and custom application developers. BIO-key's high performance, cost-effective, and easy-to-deploy biometric finger identification technology accurately identifies and authenticates users of wireless and enterprise applications. BIO-key solutions are used in local embedded OEM products, in addition to some of the world's largest identification deployments, to improve security, guarantee identity, and help reduce identity theft.

About Gemalto's SafeNet Identity and Data Protection Solutions

Through its acquisition of SafeNet, Gemalto offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of data, digital identities, payments and transactions – from the edge to the core. Gemalto's newly expanded portfolio of SafeNet Identity and Data Protection solutions enables enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters. Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation in order to protect customer trust in an increasingly digital world.


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