![gemalto — security to be free]

SafeNet MobilePASS

Software generated one-time passwords for convenient and secure mobility

> SafeNet MobilePASS is a one-time password (OTP) software authentication solution that combines the security of proven two-factor strong authentication with the convenience, simplicity, and ease of use of OTPs generated on personal mobile devices or PCs. By turning a mobile phone into a two-factor authentication device, organizations save significantly on hardware and deployment costs, while users benefit by not having to carry an additional hardware token around with them.

Powerful protection and access control for any cloud or on-prem resource

Compatible with the broadest range of mobile platforms, MobilePASS provides powerful identity protection and convenient access control to Web portals and remote access systems such as VPNs, VDI applications, Cloud applications and Outlook Web Access. It also offers strong authentication to secure local network access.

Superior deployment and management

Offering automatic one-step installation and policy-based activation, which determines the token configuration, MobilePASS significantly reduces deployment complexities, IT administration overhead, and cost when implementing strong authentication for thousands of users. Web-based self-service portals offer 24x7 support for users, further reducing helpdesk calls and overall TCO.
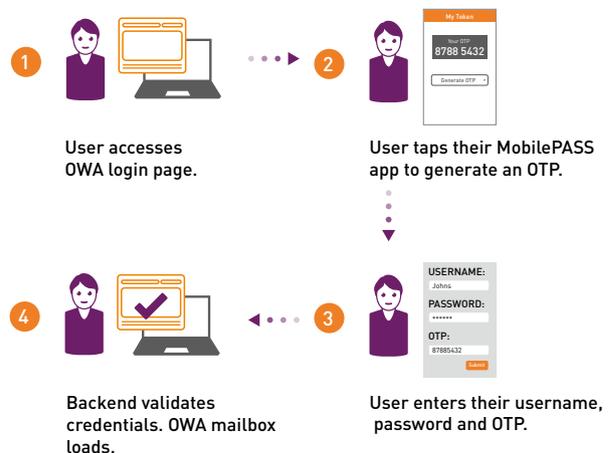
Optimized security

Sophisticated security capabilities, including standards-based activation, dynamic seeding, and FIPS 140-2 Level 1 certified crypto libraries, all allow organizations to optimize the balance between ease-of-use and TCO without compromising on security. In addition, central management of MobilePASS alongside other Gemalto authentication solutions enables organizations to adopt a layered approach to security by deploying different authentication devices and methods for different user groups.
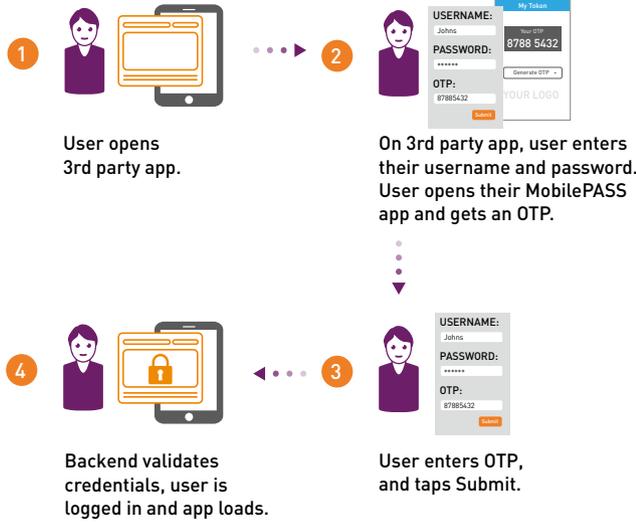
Benefits

> **Simplifies deployment** with easy one-step app installation and activation by users

> **Streamlines lifecycle management** through automated provisioning, administration, and revocation

> **Increases user adoption** by providing convenience to employees and customers

> **Facilitates compliance** with local and international regulations

> **Secures access to diverse resources** such as VPNs, VDI, Web portals, enterprise networks and SaaS applications

> **Integrates with context-based authentication** as a step-up second authentication factor

> **Reduces TCO** by saving on separate management and provisioning of hardware tokens

Convenient and easy-to-use

1 User accesses OWA login page.

2 User taps their MobilePASS app to generate an OTP.

3 User enters their username, password and OTP.

4 Backend validates credentials. OWA mailbox loads.

Embeddable in-app two-factor authentication

The SafeNet MobilePASS SDK allows banks, e-retailers, enterprises, and service providers to embed strong authentication within native apps, protecting access to corporate and financial portals. Offering support for all leading mobile platforms and over-the-air activation through public app stores, customers and employees can download the app and self-activate it to enjoy an added layer of security from a broad range of devices.

1 User opens 3rd party app.

2 On 3rd party app, user enters their username and password. User opens their MobilePASS app and gets an OTP.

3 User enters OTP, and taps Submit.

4 Backend validates credentials, user is logged in and app loads.

Features

Policy-based Token Configuration
> Time-sync and Event-based OTPs
> Challenge-response
> Configurable PIN protection
> Policy-based provisioning determines token configuration
> Multi-domain Support – Allows several tokens to be deployed within the same SafeNet MobilePASS app, and for each 'token' to be separately used to access different resources

Advanced Security
> Dynamic Symmetric Key Provisioning Protocol (DSKPP) provides standards-based secure provisioning
> Dynamic reseeding allows organizations to reprogram tokens on-the-fly as required
> FIPS 140-2 Level 1 certified Crypto Library* ensures security and integrity of SafeNet MobilePASS cryptographic modules

SafeNet MobilePASS SDK
> Allows optional end-to-end app branding
> Enables embedding OTP-based authentication within existing apps
> Supported programming languages: Java for Android, Objective C for iOS, and C++ for Windows desktop

*Support may vary by platform

Technical Specifications

Supported management platform	> **SafeNet Authentication Service** > **SafeNet Authentication Manager** > **SafeNet Authentication Manager Express (formerly SafeWord 2008)**
Supported operating systems	> **Mobile*:** BlackBerry, iOS, Java, J2ME, Android, Windows Mobile, Windows Phone 7 > **Desktop PC:** Windows, Mac OS * SafeNet Authentication Service currently supports iOS, Android, Blackberry and Windows desktops
Supported use cases	> **VPNs** – all leading vendors, e.g. Cisco, Check Point, IBM, etc. > **VDI** – all leading vendors, e.g. Citrix, VMware, AWS > **SaaS applications** – all leading vendors supporting SAML 2.0, e.g. GoogleApps, Office 365, SalesForce.Com, ZenDesk, ShareFile, RemedyForce, etc. > **Web-based portals** – all leading vendors, e.g. IIS, Outlook Web Access (OWA), SharePoint, ERP platforms, etc. > **Local network access** – all leading vendors, e.g. Windows, Oracle, IBM *Supported integrations may slightly vary by platform
OTP security algorithm	> **Event OTP - HOTP HMAC-SHA256** > **Time OTP - TOTP HMAC-SHA256** > **Challenge-response - OCRA HMAC-SHA256**

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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