An OTP App with Push Authentication

SafeNet MobilePASS+ is a next generation software token that offers secure one-time passcode (OTP) generation on mobile devices, as well as single-tap push authentication for enhanced user convenience. Integrating out-of-the-box with a broad range of enterprise resources, the MobilePASS+ app offers frictionless authentication for users, as well as simple management for IT administrators. Over-the-air provisioning and set-and-forget lifecycle management make MobilePASS+ ideal for extending secure access to consultants, partners or a dispersed workforce.

How it Works

- In push authentication mode, whenever a protected resource is accessed, a push notification is automatically sent to the user’s device. The user taps the MobilePASS+ notification, and then taps to approve the login request. If a PIN policy has been defined, the user then enters their alphanumeric PIN or biometric PIN.
- In standard OTP mode, the user opens the MobilePASS+ app, enters their token PIN [optional] and generates an OTP. The user enters their OTP into the protected resource, and is then logged in.

User experience in Push Authentication mode

1. User opens resource, and enters their username.
2. User gets push notification, and taps to approve the login request.
3. User is logged in to the protected resource.

Benefits

- Frictionless user experience
  - Easy activation via QR Code or point-and-tap
  - Eliminates the need to remember passwords
  - Offers choice of standard OTP generation and push mode
- Reduced management overhead
  - Automated zero-touch lifecycle administration
  - Simple configuration and deployment
  - Over-the-air user provisioning and self-enrollment

Technical Specifications

- Supported resources: Leading VPNs, security gateways and cloud applications
- Access Management: SafeNet Trusted Access
- Supported platforms: iOS 10 or later, Android 4.4 or later, Windows 10 or later
- Integration Methods:
  - SAML 2.0
  - RADIUS (challenge-response)
  - Agent (push-enabled)
- SDK: Available for iOS, Android and Windows
- OTP Security Algorithms:
  - Event OTP – HOTP HMAC-SHA256
  - Time OTP – TOTP HMAC-SHA256
  - Challenge-response – OCRA HMAC-SHA256
Push OTP technology
With out-of-band (OOB) ‘push OTP’ technology, a push notification is sent to the user’s device every time a login request is made. The user approves the request with a single tap of a button. Upon approval, a new OTP is automatically generated by the MobilePASS+ app and sent to the protected resource, saving users time and frustration, and eliminating password fatigue.

Enhanced Security
MobilePASS+ offers the following enhanced security features:
> DSKPP-secured provisioning – A sophisticated seed-generation process that removes the need to transmit OTP seeds
> Dynamic reseeding – Lets organizations reprogram MobilePASS+ tokens on demand
> Single-tap reporting – For handling suspicious login requests
> Optional PIN-protection – Can be added to each login approval, with configurable token or server-side PIN
> Biometric PIN – Replace alphanumeric PINs: on iOS with Touch ID and Face ID, on Android with fingerprint and on Windows with Windows Hello
> Multi-domain support – Allows several MobilePASS+ authenticators to be deployed within the same app

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

SafeNet MobilePASS+ SDK

Choosing Modes
Choice of Modes

Standard OTP Mode
Push Authentication Mode

Seamless Mobility
Offering fully tested, fully trusted integrations with leading technology providers, MobilePASS+ offers a consistent user experience across a broad range of enterprise resources.

About Gemalto’s Identity and Access Management Solutions
Building on Gemalto’s award-winning authentication service, SafeNet Trusted Access combines authentication and access management in a fully integrated cloud service. Our service lets you transform your business and operate securely in the cloud by preventing data breaches, simplifying access for users, and enabling compliance.

To learn more about access management from Gemalto, visit https://safenet.gemalto.com/access-management/

For more about MobilePASS+ visit https://safenet.gemalto.com/multi-factor-authentication/authenticators/software-authentication/mobilepass-otp-authenticator/

Enhanced Usability

Biometric PIN
QR Code enrollment