

SafeStart for Mobile

Protect your mobile app from eavesdropping and mobile fraud using a Quantum-safe, SMS-free SDK for safe authentication and data in motion security.

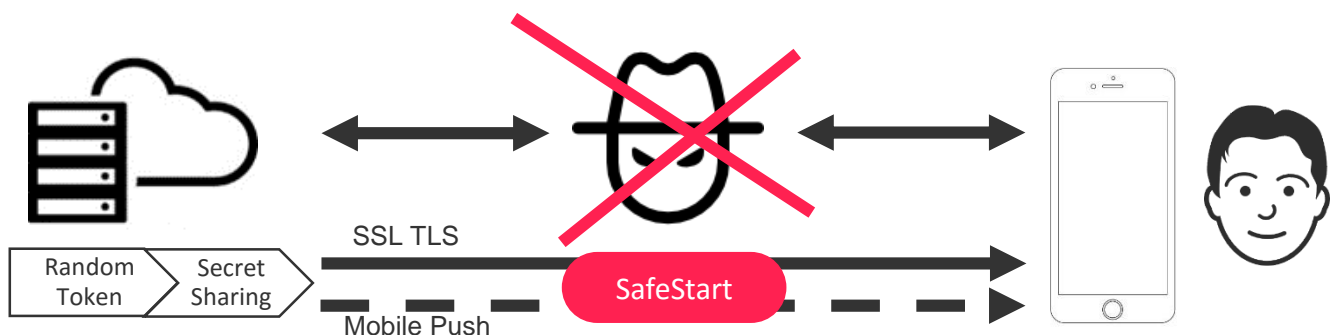


Key User Experience Features:

- **No SMS: Invisible OTP, MFA, Encryption**
App user is unaware of the various security processes taking place including OTP, Multi Factor Authentication, symmetric key exchange.
- **One touch device enrollment**
Users may self-approve a new device profile by adding authorization from their online id providers like Google, Facebook, Twitter etc.
- **Password-less biometric login**
iOS Touch ID and Android fingerprint API are used in conjunction with device enrollment, enabling fingerprint login on trusted devices without requiring a password.

Key Security Features:

- **Use brute force resistant algorithms**
SafeStart relies on the Secret Sharing algorithm, resilient to unlimited computing power, to make sure tokens or keys are never sent in the clear.
- **Eliminate MITM and PKI manipulations**
A random AES256 key is delivered using Secret Sharing to the device for symmetric encryption, eliminating eavesdropping.
- **Prevent fraudulent device enrollment**
Online Identities effectively used as multi-factor authentication as part of new-device risk scoring.
- **Secure Transaction Approval, Password Change**
Enhance your mobile app into a secure approval tool for sensitive transaction. Protect substantial events as they originate on the desktop, mobile or a third party environment.



About Secret Double Octopus

Secret Double Octopus mitigates risks such as eavesdropping, encryption hacks, man in the middle and brute force attacks by implementing a solution that secures network traffic and authentication beyond the limitations of PKI, SSL and VPN. The company helps site-to-site, site-to-cloud, mobile and IoT initiatives overcome the security vulnerabilities of today's security and encryption protocols. The approach employs secret sharing, providing protection that information theory has postulated as unbreakable.

Founded in Israel by a seasoned leadership team with more than 100 years' combined academic and industry experience across networking, information security, and computer science, the company is backed by JVP, one of the security industry's most prestigious VC firms.



Easy Integration for Existing Apps

- **SafeStart SDK**

The SafeStart mobile SDK is included into the iOS or Android app

- **SafeStart Server**

The SafeStart server performs the OTP, device enrollment and other functions complementing the mobile banking app server.

- **Integration with existing security**

SafeStart for mobile can work in standalone or integrate with existing OTP, risk engine, device whitelisting and other security components.

- **SDK Capabilities:**

