

HIGHLIGHTS

OneSpan Mobile Security Suite with Face Recognition is a simple, secure and user-friendly feature that utilizes facial data points and next generation liveness detection to accurately authenticate each user. With OneSpan Mobile Security Suite with Face Recognition, OneSpan supplements a comprehensive portfolio of authentication products with innovative biometric technology.

OneSpan Mobile Security Suite with Face Recognition is available as an optional feature in OneSpan Mobile Security Suite. OneSpan Mobile Security Suite provides a comprehensive feature set that natively integrates application security, two-factor authentication, multi-modal biometrics and electronic signing into your mobile applications.

MOBILE SECURITY SUITE - FACE RECOGNITION

Frictionless authentication, optimal user experience and quick deployment with face recognition technology

Today, there is a growing need to balance strong authentication security with end user convenience and usability. Financial services, healthcare, government and other enterprise organizations want more and intuitive authentication options to improve utilization, user experience and reduce the need for helpdesk support. Leading biometric authentication technologies by OneSpan, an active member of the international Biometrics Institute, achieve this balance by leveraging something as simple as a “selfie” to accurately and securely authenticate users.

Simple. Fast. Accurate

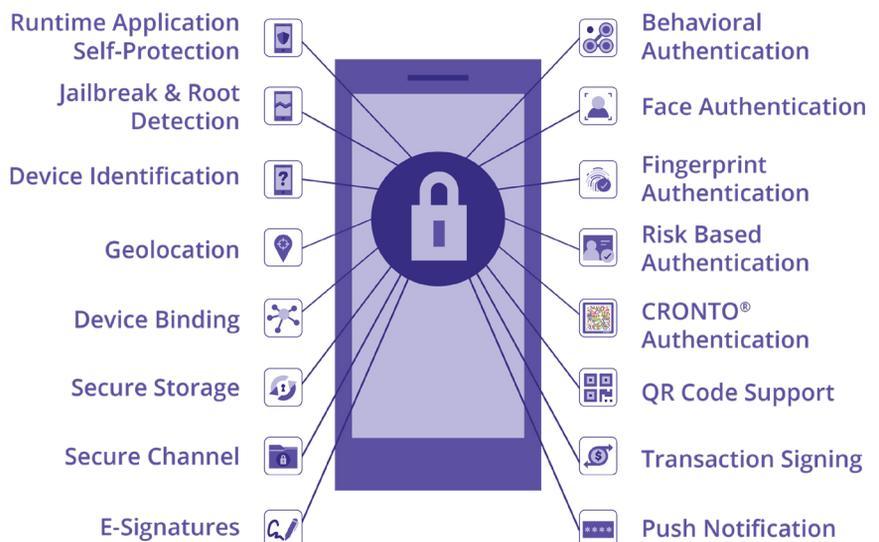
With a simple “selfie,” taken with any modern Android or iOS smartphone camera, OneSpan Mobile Security Suite with Face Recognition is able to create a highly accurate and secure biometric template of a user’s face using sophisticated machine learning algorithms. Utilizing Othe Secure Channel and Storage features, this template is encrypted, securely stored and quickly referenced when user authentication is required.

How it works

OneSpan Mobile Security Suite with Face Recognition uses a simple process to enroll users. The user takes a series of “selfies” and our software does the rest; extracting a highly accurate biometric template from the “selfie,” then encrypting and storing it. To authenticate, the user simply takes a “selfie” and this is compared, one- to-one, with the stored biometric template. A proper match, based on an accuracy score, completes the secure authentication process in the background. This accuracy score can also be supplemented with additional contextual data (i.e. Current location, device identification and operating system) and analyzed, in real-time, by our OneSpan Risk Analytics Platform to provide the most accurate assessment of risk and dynamically “step up” authentication security when necessary.

Secure channel

OneSpan Mobile Security Suite with Face Recognition leverages a unique encrypted secure channel to ensure the non-repudiation and protection of the data exchange, ultimately providing the highest level of security for templates moving between the client and server.



Fully customizable

OneSpan Mobile Security Suite biometric options offer organizations the flexibility of using a PIN, fingerprint or face recognition, depending on their unique security needs. It can also be fully multi-modal (i.e. Fingerprint, PIN as well as face recognition). As a result OneSpan Mobile Security Suite biometrics offers a best of breed solution, providing more frictionless authentication choices tailored to meet each organization's security needs.

SERVER SDK SPECIFICATIONS		
Platform	Windows	Linux
Programming Languages	Examples for C++ and Python. Usability in any language that links to a C Library	Examples for C++ and Python. Usable in any language that links to a C Library
Target Host (Minimum hardware requirements)	<ul style="list-style-type: none"> Intel® Xeon® CPU E5 @2.50GHz 1GB RAM (2GB recommended) 	<ul style="list-style-type: none"> Intel® Xeon® CPU E5 @2.50GHz 1GB RAM (2GB recommended)
Target Host (Operating System)	Microsoft Windows Server on 64 bit architecture	Linux Kernel x86 3.2 or greater on 64 bit architecture
Library Size	5MB	5MB
Memory Runtime	~ 8MB	~ 8MB
<ul style="list-style-type: none"> Enrollment Verification 	~7.5MB	~7.5MB
User model size	~ 450 KB	~ 450 KB
<ul style="list-style-type: none"> Training Testing 	~ 25 KB	~ 25 KB
Computing times*	~ 120 ms	~ 120 ms
<ul style="list-style-type: none"> Enrollment Verification 	~ 50 ms	~ 50 ms

CLIENT SDK SPECIFICATIONS		
Platform	Android	iOS
Development Host (Hardware Requirements)	<ul style="list-style-type: none"> Core 2 Duo CPU @ 2 GHz 2GB RAM (4GB recommended) 1.5 Go HDD 	Intel compatible Mac
Development Host (Operating System)	All operating systems supported by Android SDK	Mac OS X Mavericks or higher
Development Host (Development Tools)	Core 2 Duo CPU @ 2 GHz	Xcode 6 or greater
Programming languages	Java	Objective-C
Target Host (Minimum hardware requirements)	<ul style="list-style-type: none"> ARMv7-A @ 1Ghz 512MB Frontal camera required Equivalent computing power of the Samsung Galaxy S3 or newer 	<ul style="list-style-type: none"> ARMv7, ARMv-7s or arm64 iPhone 4s or newer
Target host (Operating System)	Android 4.1 (API level 16) or higher	iOS 8.0 or higher
Libs Size	~ 25 MB per arch	~ 15 MB per arch
Typical Times *	Face model creation: <10 seconds (including communication to server) Face verification: <10 seconds (including communication to server), (up to +5 seconds depending on the countermeasures enabled)	



OneSpan enables financial institutions and other organizations to succeed by making bold advances in their digital transformation. We do this by establishing trust in people's identities, the devices they use, and the transactions that shape their lives. We believe that this is the foundation of enhanced business enablement and growth. More than 10,000 customers, including over half of the top 100 global banks, rely on OneSpan solutions to protect their most important relationships and business processes. From digital onboarding to fraud mitigation to workflow management, OneSpan's unified, open platform reduces costs, accelerates customer acquisition, and increases customer satisfaction.

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