

DATASHEET

MOBILE SECURITY
SUITE: APP SHIELDING
& RASP

HIGHLIGHTS

Runtime Application Self-Protection includes:

- Overlay Detection
- Jailbreak & Root Detection
- Active Memory Zeroing
- Secure Storage + Device Binding
- Anti-Code Injection
- Anti-Key Logging
- Anti-Screen Reader
- Anti-System Screen shots
- Anti-Screen Mirroring and External Monitors
- Anti-Re-Packaging Protection
- Debugger & VM Debuggers Prevention
- Runtime Protection– Integrity Check
- Emulator Detection
- Obfuscation

MOBILE SECURITY SUITE: APP SHIELDING & RASP

Defeat mobile application attacks with complete protection from the inside out

Businesses develop and market their own mobile apps at a feverish pace, driving a significant increase in the attack surface and related fraud. At the center of this threat are hackers who release malware exploiting mobile OS vulnerabilities. Runtime Application Self-Protection (RASP) and App Shielding by OneSpan equip businesses with strong, natively integrated app security that dynamically detects and mitigates these attacks.

Secure sensitive data

RASP and App Shielding by OneSpan proactively protects against zero-day and other targeted attacks, allowing mobile business apps to run securely, blocking the foreign code from working or shutting down the application if a threat to data exists. Integrating RASP and App Shielding into mobile apps ensures the complete integrity of the apps and fully protects sensitive business and personal data from cybercriminals.

Integrated protection

RASP wraps around the application code to protect against foreign code injection. Even if a device becomes infected with malware, including system components such as screen-reader or key logging on Android, RASP technology will detect and prevent that code from running.

Strengthen application security

RASP provides an extensive list of features that are easy to integrate and invisible to the end user. As a result, RASP allows businesses to extend and strengthen application security, protect customers and meet aggressive application development timelines.

Mobile Security Suite

RASP is available as an optional feature in OneSpan Mobile Security Suite. OneSpan Mobile Security Suite provides the most extensive list of features that seamlessly integrates identity/authentication, application protection, secure communications and electronic signing into almost any mobile application.



HOW IT WORKS



How it works

RASP ensures the integrity of mobile apps in three ways: Protect, Detect and React. It protects the trusted mobile application by preventing reverse engineering techniques via code obfuscation and anti-repackaging technology.

It actively detects malicious key logging, screen readers, repackaged applications, debuggers and emulators, and jailbroken or rooted devices. It can then react to prevent screenshots, block screen duplication, or enable customized actions based on business policy (i.e. Application shut down).

TECHNICAL SPECIFICATIONS

iOS	RASP supports iOS as of version 6.0 that needs to be linked to a host application. The framework is currently provided for the following architectures: <ul style="list-style-type: none">• armv7• armv7s• arm64• i386• x86_64
Android	RASP supports Google Android 2.3 and later. The following CPU architectures are currently supported: <ul style="list-style-type: none">• armeabi• armeabi-v7a• armeabi-v8a• mips• x86• x86_64



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.

CONTACT US

For more information:
info@OneSpan.com
www.OneSpan.com



Copyright © 2018 OneSpan North America Inc., all rights reserved. OneSpan™, Digipass® and Cronto® are registered or unregistered trademarks of OneSpan North America Inc. and/or OneSpan International GmbH in the U.S. and other countries. All other trademarks or trade names are the property of their respective owners. OneSpan reserves the right to make changes to specifications at any time and without notice. The information furnished by OneSpan in this document is believed to be accurate and reliable. However, OneSpan may not be held liable for its use, nor for infringement of patents or other rights of third parties resulting from its use. **Last Update May 2018.**