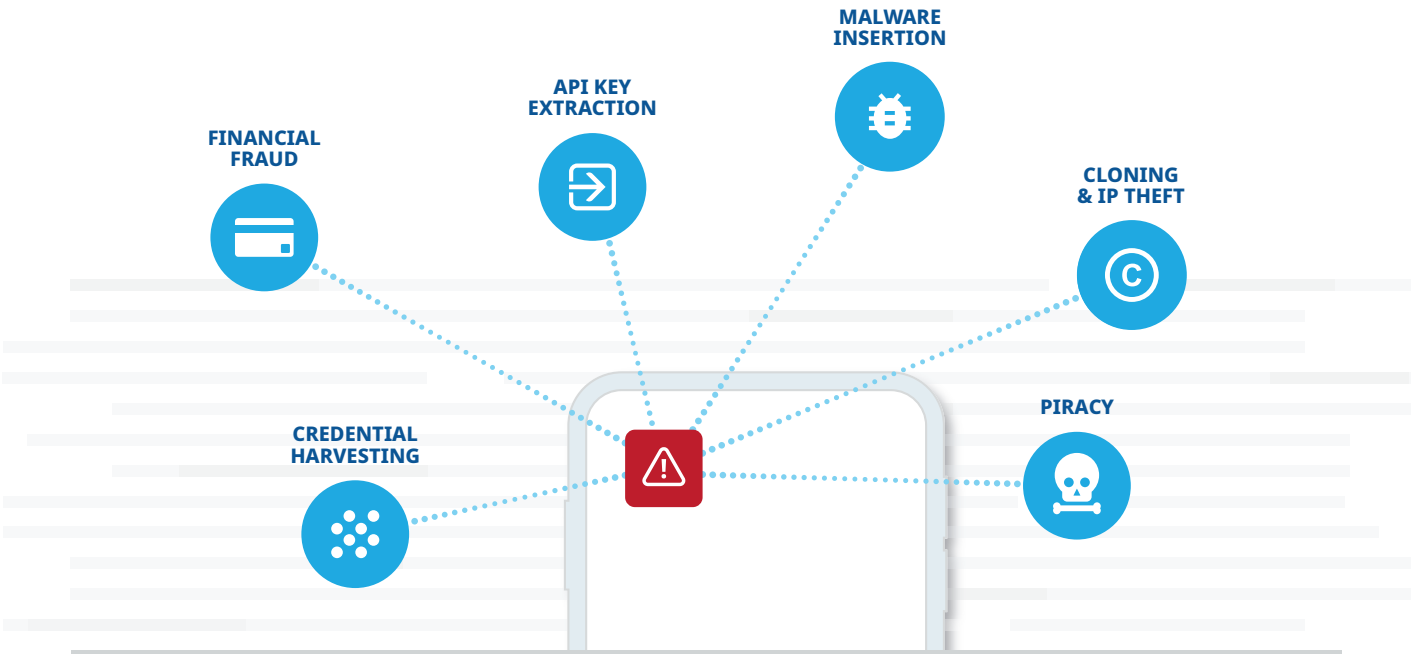
GUARDSQUARE
Mobile application protection

Mobile apps are vulnerable

Portability is the greatest advantage of mobile applications, but it opens up possibilities for abuse. Once downloaded, mobile apps escape app owners' control. They circulate outside the secure network perimeter, making them easy targets for hackers.



The problem

Hackers target published mobile apps to attempt to reconstitute the source code or machine instructions and use the information they obtain to tamper with the code, extract information, exploit vulnerabilities and more.

The solution

We secure mobile applications against hacking and its consequences.

To learn more or request a demo visit:
www.guardsquare.com

"Guardsquare's products are extremely impressive. We develop a security product, and they enhance our security posture."

- Security Engineer, U.S. telecommunications company

Our software integrates transparently and seamlessly into the development process and adds multiple layers of protection to your Android and iOS applications. Guardsquare effectively protects apps against both static and dynamic attacks.

Our approach

Code Hardening

HOW IT WORKS

Hardening the code at various levels throughout the application protects against static attacks. Multiple layers of obfuscation and encryption equals code that is more resistant to both automated and manual analysis.

Techniques include obfuscation and encryption, which defend both the app and its valuable data.

Runtime Application Self-Protection

HOW IT WORKS

RASP mechanisms monitor the integrity of the apps and environment in real time. When a threat arises, the apps can terminate the hacker's session, display security notifications to the developer, and more.

RASP also ensures communication between the mobile app and server is secure, preventing hackers from modifying apps.

Stronger together

RASP and code hardening are complementary approaches to mobile application shielding.

Code hardening protects the code at rest, while RASP provides protection when the mobile application is running. The applied obfuscation and encryption also make sure the RASP mechanisms cannot be removed or tampered with.

Mobile security requires layers of protection, and code hardening goes hand-in-hand with RASP to better protect mobile apps.

DexGuard

ANDROID APP PROTECTON

- Code hardening
- Runtime self-protection
- Protection of native and cross-platform apps
- App optimization

iXGuard

iOS APP PROTECTON

- Code hardening
- Runtime self-protection
- Protection of native and cross-platform apps
- iOS app optimization maintained

Guardsquare is the leader in mobile application protection. More than 600 customers worldwide across all major industries rely on Guardsquare to secure their mobile applications against reverse engineering and hacking. Built on the open source ProGuard technology, Guardsquare software integrates transparently in the development process and adds multiple layers of protection to Android (DexGuard) and iOS (iXGuard) applications, hardening them against both on-device and off-device attacks.

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