

# appdome

## App SECURE™

No-Code Mobile App Obfuscation and Shielding for Android and iOS apps



### PROTECTING THE MOBILE APP

Attackers hack mobile apps for all kinds of reasons. To (1) create malware and automated exploits, (2) design attacks that can extract data, user credentials and steal IP, and (3) copy, change, deface, degrade or use the app in a broader attack against and the app backend or the people that use the app.

Reverse engineering, debugging tools, tampering with workflows, using emulators and simulators, as well as static analysis are the building blocks of every hacker. Using these methods, a hacker can learn how the app works, and use that knowledge to craft attacks against users, the app and its backend. Hackers can also learn when, where and how to dynamically inject code, disable features or circumvent security features, as well as use what they learn to create fake or malicious versions of the app and distribute cheats and other programs that abuse the app's underlying logic.

All this can destroy your brand and the trust your users have in your app. It's critical to protect your app so that it cannot easily be analyzed, read, studied, traced, unpacked, debugged, decompiled, modified or used by hackers.

### INTRODUCING APPDOME APP SECURE™

Appdome App SECURE™ is the industry's only no-code solution designed from the ground up to quickly and easily protect any and all Android and iOS apps. No code, no SDK and no development are required. App SECURE automatically shields and hardens native and non-native code, app logic and workflows against inspection, debugging, tampering, reverse engineering as well prevents anyone from running your app on emulators or simulators.

### WHY APPDOME APP SECURE?

App SECURE protects against any malicious use of a mobile app and allows developers to quickly achieve three top mobile app security objectives for native and non-native mobile apps alike: (1) block hackers from using your app to create attacks, cheats and malicious programs, (2) prevent inspection and theft of your code and intellectual property, and (3) stop modifications to the app, including screens, workflows, APIs, frameworks and more.

Appdome App SECURE achieves these objectives using two key Appdome features:

**ONESHIELD™ App Hardening** – Comprehensive, self-defending, no-code mobile app shielding and hardening solution that prevents dynamic analysis, tampering, modifying, debugging or interfering with the app's workflows as well as blocks emulators and simulators. ONESHIELD includes these defenses throughout the app, including hundreds of overlapping Checksum validations to ensure tamper resistance of the app.

**TOTALCODE™ Obfuscation** – Complete no-code, advanced code obfuscating solution that prevents static analysis, obfuscates the entire binary, protects native code as well as non-native code/libraries, SDKs and frameworks in the app. Specific add-ons include relocating control flows, scrambling your app's logic, and stripping debug information – all without symbolization or decorating your code or limiting how your app functions.

*Additional features are available with the App PROTECT™ and App DEFEND™ Packages.*

## THE BUSINESS CASE FOR APPDOME

### Advantages of No-Code Mobile App Security

Appdome is the industry's only 100% no-code mobile app security platform. Using Appdome, developers and security teams eliminate the technical complexities and resource constraints that come with DIY and SDK security. Security teams meet their goals with ease and developers have complete freedom to use any development environment, framework and methods inside Android and iOS apps.



With each build, Appdome does what no other vendor can. It certifies the security implementation added to each app.

DIY and SDK security products cannot certify the security features added to apps because all the implementation burden is on others (not the vendor).

Certified Secure gives developers the trust and confidence that their apps are protected with the features needed for their business, and reduces time and expense spent on penetration testing and vulnerability scans.

### Challenges of DIY Mobile App Security

Most organizations underestimate the challenges of building and maintaining security themselves, including using SDK-based security products. Are you really ready for Do-It-Yourself (DIY) security? To find out, answer the following questions:

- Do you have the engineering skills and expertise to code security in your app?
- Will your engineers be continually available to secure the app, release by release?
- Will you wait or hold up releasing your app if you can't finish coding security on time?
- Are frameworks and methods in the app compatible with the chosen security SDK?
- Has your company ever faced urgencies such as failed audits, attacks, exploits or customer commitments that require security?

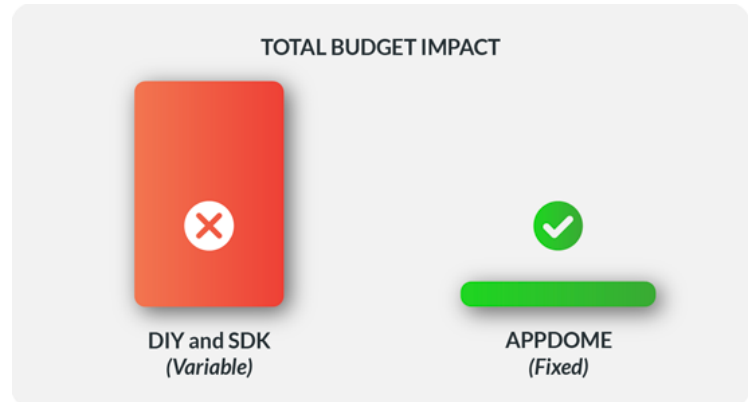
If you answered **NO** to any of the above, you should not attempt to use DIY and SDK based security.

## ABOUT APPDOME

Appdome's mission is to protect the mobile economy and the people who use mobile apps in their lives and at work. Appdome's industry defining no-code mobile security and solutions platform uses a patented, artificial-intelligence coding technology to power a self-serve, user-friendly service that anyone can use to build new mobile security, mobile threat, mobile fraud and enterprise authentication, access, UEM/MDM/MAM and more into any Android and iOS app instantly. There are over 25,000 unique combinations of mobile features, kits, vendors, standards, SDKs and APIs available on Appdome. Over 200+ leading financial, healthcare, government, and m-commerce providers use Appdome to consistently deliver richer and safer mobile experiences to millions of mobile end users, eliminating complex development and accelerating mobile app lifecycles.

### Lowest Total Budget Impact

Appdome's patented technology and security automation platform delivers fast, consistent and repeatable mobile app security at a fixed price. This zero-dev and fixed cost model provides a 10x advantage to security and development budgets by eliminating the variable dev and headcount costs, and the uncertain outcomes, that are associated with DIY coding of mobile app security.



### Fastest Time to Market

Appdome accelerates time to market by reducing the time to secure Android and iOS apps, data and users to mere minutes. Organizations no longer need to choose between longer or blocked release cycles or compromising on security. Appdome fits within existing app pipelines and CI/CD processes, provides direct build-to-publish APIs, removes any coding dependencies, and allows users to apply approved security templates, build-by-build, across 1, 10, 100 or 1,000s of apps, simultaneously.

