

Cryptanium Code Protection

Analyze. Profile. Protect.

A comprehensive software solution designed to provide premium protection to application code and stop reverse engineering and tampering.

Cryptanium Code Protection Benefits:

- Best-in-Class protection for high-value applications
- Rapid deployment – easy-to-implement/simple GUI
- All-in-one code protection for all major operating systems
- Low total cost-of-ownership
- Robust protection with integrity checking, obfuscation, anti-debug, and anti-piracy

You Pay for Lax Security

You're on the road to success, and the last thing you need is a costly security breach inflicting significant damage to revenue streams. whiteCryption helps secure sensitive modules, licensing mechanisms, DRM systems, games, proprietary algorithms, and intellectual property with best-in-class code protection that safeguards apps, proprietary data and secrets.

Stop Reverse Engineering and Tampering

Cryptanium Code Protection (CCP) applies integrated protection mechanisms to the entire application code at different layers. With no changes to your source code, code protection obfuscates the code base using patented obfuscation algorithms, injects hundreds of overlapping integrity checkers, and embeds platform-specific anti-debug, anti-piracy, and anti-malware code. As CCP applies security features at different levels, hackers cannot easily remove applied security techniques one-by-one. In order to succeed, the entire protection must be cracked at once, which is a very difficult task when using CCP.

With CCP, your application becomes a self-contained fortress. You do not have to rely on any external security providers. By implementing the unique features of CCP, intellectual property can be secured, business models protected, and the life cycles of applications prolonged.

Cryptanium Code Protection for Android Java goes beyond the typical bytecode obfuscators. whiteCryption's Java Code Protection tool converts Java bytecode to obfuscated native code, making bytecode decompilation virtually impossible.

Cryptanium Code Protection is the only source code application hardening solution across Android, iOS, Linux, Mac OS X and Windows platforms.

Cryptanium Code Protection...Highly innovative code integrity protection tool that protects apps against unwanted alteration and intellectual property theft.

Detect Modified Code and React

Hackers usually modify the code, either in memory or on a storage medium, to circumvent the code's protection mechanisms. CCP detects that the application has been modified and allows the application to react to the attack.

Cryptanium Code Protection realizes integrity protection by automatically inserting hundreds of overlapping integrity checkers into the code, which dynamically monitors the code against tampering and intrusion. Each checker monitors a particular range of the binary file. If an application is modified, the embedded checksums no longer match the binary footprint, and the application can defend itself by terminating the execution. Since checkers protect each other and do not have a uniform appearance, they are hard to detect and almost impossible to remove.

Cryptanium Code Protection Features:

- Integrity protection against tampering including third-party static libraries
- Obfuscate code through patented algorithms making execution flow difficult to analyze
- Protection against main-stream debuggers prevents dynamic analysis of binary code at run-time
- Anti-piracy features guarantee an application is running only on valid devices by licensed users
- Executable code stored in encrypted form; decrypted only at run-time
- Shared libraries protected against replacing and tampering
- Customizable defense action for detected threats

Let whiteCryption Secure Your Enterprise

Cryptanium Code Protection is the best solution to provide a higher level of security against unwanted alteration and intellectual property theft to enterprise applications.

Development Platforms

Linux, OS X, Windows

Target Platforms

Desktop: Linux, OS X, Windows

Mobile: Android, IOS

Supported Languages

Android Java, C, C++, Objective-C

For more information about whiteCryption software and data protection solutions, visit www.whitecryption.com.

