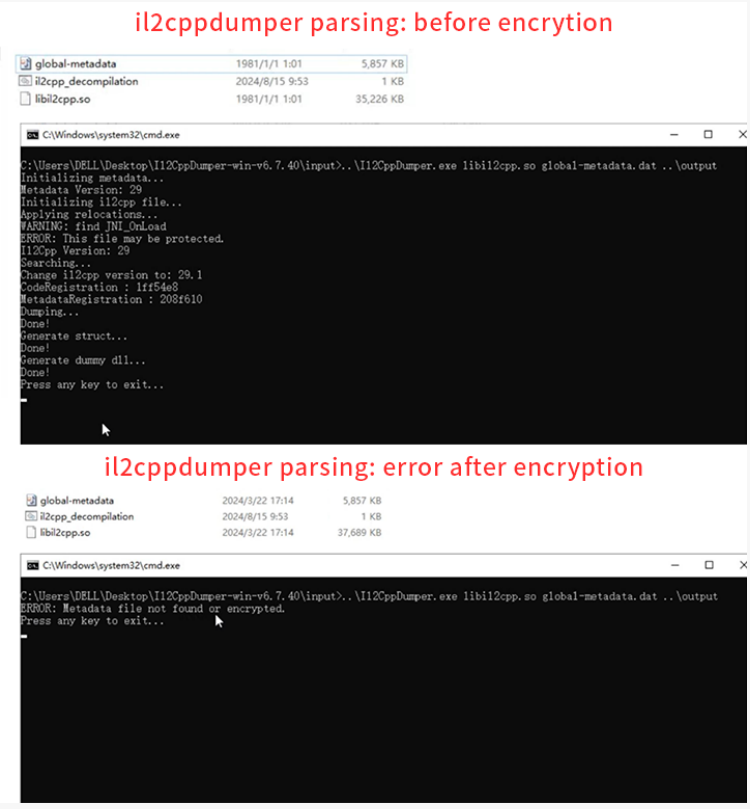
JikGuard Strengthens Unity Game Security with Advanced Encryption Solutions

SINGAPORE, SINGAPORE, June 13, 2025 /EINPresswire.com/ -- JikGuard today introduced its 2025 Encryption Update for Unity-based titles, releasing a new version that enhances Unity's encryption solutions and builds a proactive defense matrix to protect games. The release follows a series of high-profile game hacking incidents reported across Southeast Asia and North America during the first half of 2025, as studios prepare for the summer launch window. By strengthening binary-level and asset-level protections, this solution is designed to help developers mitigate revenue loss and safeguard intellectual property as the global games market continues to expand.

Unity Engine Encryption Solutions



Unity Engine Encryption Solutions

Protection Against Il2CppDumper Exploitation

In Unity's IL2CPP mode, class, property, and string data reside in the global-metadata.dat file. Tools such as Il2CppDumper can extract these data for analysis. JikGuard now encrypts both global-metadata.dat and libil2cpp.so, blocking automated parsing through a single command-line operation that integrates seamlessly into existing build workflows.

Securing Mono Mode with DLL Encryption

Mono builds compile C# code into intermediate-language (IL) DLLs, which are susceptible to decompilation by tools like dnSpy. JikGuard's DLL Structure Virtualization restructures and encrypts these DLLs, rendering them unreadable to decompilers.

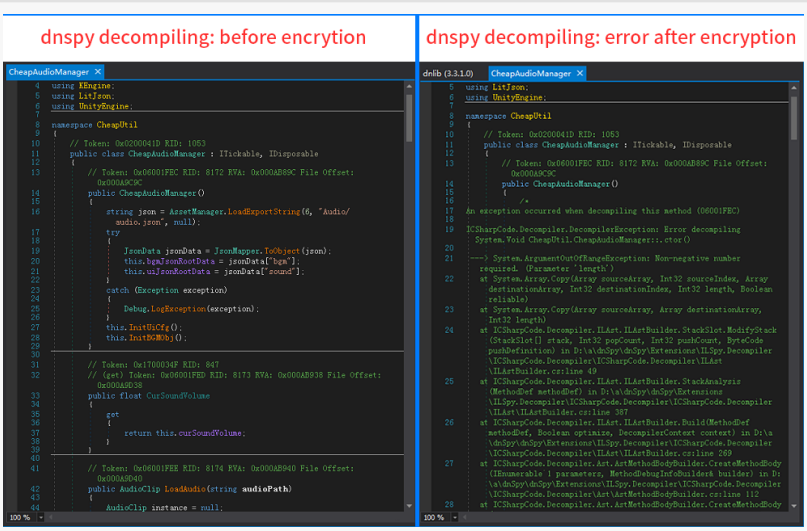
Safeguarding Assets from AssetStudio Parsing
AssetStudio can decode Unity's binary resource formats and extract assets such as 3D models and audio. JikGuard's resource-encryption module analyzes Unity's loading mechanisms to apply protection with minimal performance overhead, supporting online resource updates across Android, iOS, PC, and web platforms.

Additional Security Features
The solution also includes measures to detect cheating, hacking, modding, debugging, and speed hack, integrating at the engine level to address both code and asset vulnerabilities.

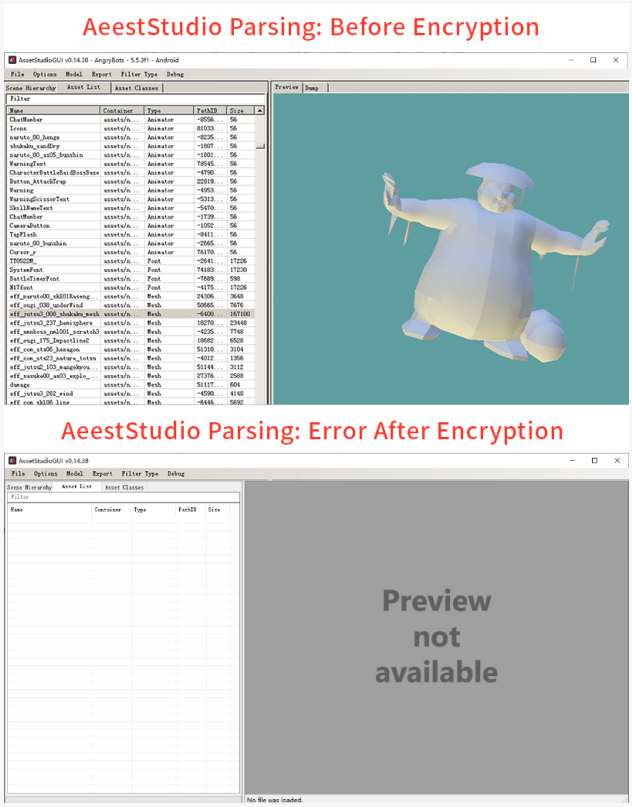
About JikGuard
Established in Singapore, JikGuard provides encryption, anti-cheat, anti-hack, and anti-mod solutions for more than 500 games across mobile, PC, and web platforms.

Media Contact
JikGuard Customer Service
Email: support@jikguard.com
Website: www.jikguard.com

Icarus Zhao
JIKGUARD TECH PTE. LTD.
email us here
Visit us on social media:



Unity Engine Encryption Solutions



Unity Engine Encryption Solutions

Facebook
YouTube

This press release can be viewed online at: https://www.einpresswire.com/article/819620430

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.
© 1995-2025 Newsmatics Inc. All Right Reserved.