Product Data Sheet

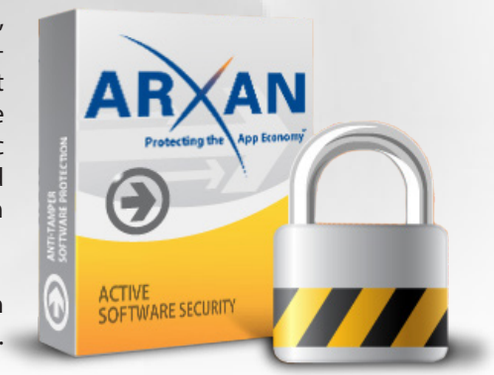
GuardIT® Family of Products

Intelligent Software Protection

Protect Your Applications

Traditionally, software has either not been protected, or is only protected by passive techniques such as obfuscation and encryption. These techniques fall short of providing the security needed to prevent software piracy and tampering since they only provide a static one-time hurdle that hackers can quickly master and breach. The application has no further recourse when that single defense layer fails or is breached.

GuardIT® is a proven commercial software protection solution for managed, interpreted and native code.



The GuardIT family includes **GuardIT for Windows, GuardIT for Linux, GuardIT for Mac OS X, GuardIT for Microsoft .NET Framework, GuardIT for Java, GuardIT for Android/Intel, GuardIT for Windows/ARM, GuardIT for Windows/Embedded, and GuardIT for Flexnet® Publisher**. All GuardIT offerings feature automated, comprehensive, yet customizable protection for desktop and high-end software. It actively defends, detects and reacts against attempted application attacks, providing durable and resilient security to today's threat profiles, which can easily bypass license management security protocols. Many software-driven Global 500 companies are using GuardIT to successfully safeguard their software assets and preserve revenues.

The GuardIT platform is flexible, easy to use and tailored to individual application requirements to offer precise control over the implementation of security protocols; scalable, supporting the ability to increase the level and complexity of protection; and, virtually impenetrable, with its thousands of multi-layered dynamic Guards at work 24/7.

GuardIT is the only durable binary-based application hardening solution across Windows, Mac OS X, .NET, Java and Linux desktop, server and embedded platforms for x86/x64 architectures.

Arxan Protects
- **Brand**
- **Revenue**
- **Data**
- **Code Integrity**
- **Intellectual Property**

Arxan Prevents
- Malware Injection
- Tampering with Security Controls or Sensitive Functions
- Reverse-Engineering
- Unauthorized Access and Fraud
- IP Theft and Piracy

Automated Protection: Defend, Detect and React

Defense Techniques - to prevent reverse engineering of native, managed and mixed mode code. These include binary level obfuscation, code/string encryption, anti-debug and dynamic randomized execution of Guards.

Detection Techniques - to prevent tampering and code-lifting. These include checksum verification (tamper detection), cross-component authentication and debugger detection. This arsenal set also includes pre-damage functionality, which prevents valuable or vulnerable code from appearing or executing if your application is under attack.

Reaction Techniques - which provide customized protection, are invoked when any attack is detected. Reaction Guards can be programmed in many ways, such as self-healing of tampered code, signaling to other software components, termination of a program, phone home with infomation gathering techniques or simply terminating execution. This is all part of Arxan's policy-based Guard reaction framework.

Product Data Sheet

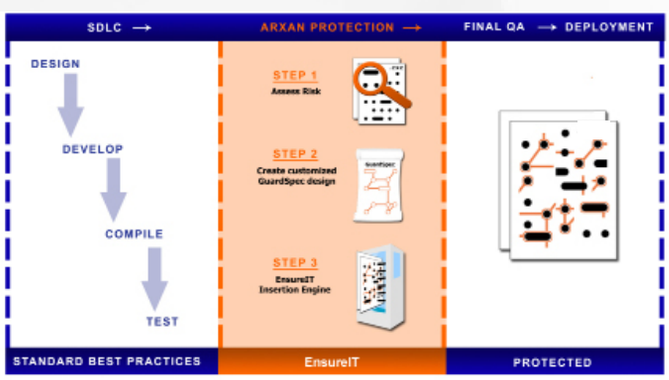
GuardIT® Family of Products

ARXAN
Protecting the App Economy™

Core Features of GuardIT include:

- Granularity of protection and performance-tuning
- Artificial Intelligence engine for rapid, customized design of protection
- Compatible with third party license management such as FlexNet, SafeNet, Reprise and others.
- Point-click breach management
- Fast, automated diversification to prevent BORE exploits
- Probabilistic execution for additional security
- Authorized debugging of protected application
- Ability to directly edit and optimize GuardSpec
- Command line interface for build integration
- Ability to automatically discover the functional hierarchy of an application

GuardIT features automated,comprehensive, yet customized protection which intelligently matches appropriate Guard types to your software's protection requirements to create a customized GuardSpec. The resulting multi-layered and dynamic web of Guards provides highly durable security that is scalable, customizable and highly efficient. GuardIT dissolves this protection into the binary, making it virtually impossible to pirate or tamper with the application. GuardIT is fully automated and works directly on the binary, ensuring it neatly fits into your existing software development lifecycle (SDLC) and does not impact application performance.



SDLC WITH ARXAN PROTECTION

Powerful and Unique Protection Solution

Arxan's design strategy of Guards and Guard networks offers a powerful and unique protection solution. Differentiating attributes of Guard technology include:

- **Guard actions are difficult to trace.** A Guard can delay its prescribed action until a later time, and run probabilistically - distancing the action from what provoked it.
- **No single point of failure.** Guards create strong, interconnected and self protecting networks.
- **Multiple Guards protect a single piece of code.** Guards can employ a variety of protection schemes which execute at different times. An attacker would need to identify the locations and relationships of all the Guards in a network before defeating the protection, an elaborate and challenging task.
- **Compatible with QA.** EnsureIT's test tools allow users to verify Guard security functionality, as well as test and troubleshoot protected applications both in-house and in the field.

GuardIT® Specifications

Supported Languages	C, C++ and .NET (C,/C++, VB.NET AND C#) both native and mixed mode images
Supported Compilers	Visual Studio, GCC, Apple LLVM Compiler and Clang
Supported Host Platforms	Native Windows 32 and 64-bit host versions Red Hat Enterprise Linux 64-bit Ubuntu 64-bit, Mac OS X 64-bit
Supported Target Platforms	Various Windows and Mac OS X versions, various Linux distributions, Windows RT, Windows Phone
Supported target chipsets	Intel/AMD x86 (32- and 64- bit)
Supported JVM & JDK specs	Contact Arxan for details

Info Security Products Guide 2013 GLOBAL EXCELLENCE GOLD