Why Sentinel LDK?
Sentinel License Development Kit (LDK) is a comprehensive software monetization solution that, for the first time, pairs the company’s award-winning software copy and intellectual property (IP) protection features with the web-based license management capabilities of Sentinel EMS, SafeNet’s entitlement management system. Sentinel LDK also features Sentinel HL, the company’s newly released hardware-based software protection platform. As a result, Sentinel LDK will provide software publishers with a comprehensive, out-of-the-box software monetization solution that will better enable them to confidently protect their software and simplify operational processes, while enhancing the end-user experience and ultimately maximizing their software revenues.

Sentinel LDK simplifies the entire software monetization process for software publishers from entitlement creation, delivery, and activation to ongoing license enforcement, and usage data collection and reporting. The product is designed to support quick deployment and easy integration with common back office systems to minimize costs and improve all licensing-related processes long term. The solution features the industry’s widest variety of licensing models, and provides a flexible catalog management tool that empowers software publishers to deliver the right offering to the right customer every time.

Top New Features Introduced with Sentinel LDK?
In addition to adopting the benefits of Sentinel EMS and Sentinel HL, Sentinel LDK also marks the release of several exciting new features, including but not limited to:

> **Web-Based Entitlement Management:** Full integration with Sentinel EMS provides software publishers with the tools they need to effectively deliver, track, and manage end-user entitlements and product usage. Using Sentinel EMS software, publishers can also provide their end-users with a customer portal to activate and manage their own entitlements. Sentinel EMS helps ISVs simplify and automate many tasks associated with licensing while empowering end-users and decreasing support costs.

> **Next Generation Sentinel Envelope Technology:** Adoption of the latest technology and techniques for software protection enables software publishers to protect their applications from reverse engineering, code tampering, and intellectual property theft.

> **Certificate-Based Licensing:** Utilization of certificate-based licensing provides tamper-proof, software-based licenses in a clear-text format, making them easy to understand and support for software publishers and end-users alike.

> **Three-Step License Re-Host:** Sentinel LDK is the industry’s only licensing solution that enables end-users to move their software-based licenses in three easy steps without having to contact the ISV for support. This dramatically improves the end-user experience and also relieves an unnecessary burden typically put on software organizations’ support teams.

> **“User-Mode” Option for Software-Based Licenses:** Facilitates end-user software installation while in either user mode or in administrator mode, significantly reducing end-user frustrations and support burdens.

> **Next Generation Hardware-based Software Protection Platform:** Sentinel LDK is the first offering in the SafeNet portfolio to ship standard with the company’s recently released family of smartcard-based Sentinel HL hardware tokens. Featuring superior performance and memory management Sentinel HL tokens are the industry’s leading hardware-based software protection token.

> **Hardware Key Batch Programming:** Enables ISVs to burn multiple Sentinel HL keys simultaneously to save time and money.
### Customer Business Challenges

**Software Copy and IP Protection** – Maximize profitability by preventing unauthorized use and distribution of software, and by securing competitive IP.

**Flexible Software Catalog Management** – Easily introduce innovative, flexible, and customer-centric offerings into new markets.

**Consolidate and Automate Licensing Operations** – Eliminate manual operational tasks associated with licensing to save time, minimize errors, and reduce costs.

**End-User License Management Tools** – Increase end-user transparency and reduce licensing support costs while improving customer satisfaction.

**Detailed Tracking and Reporting** – Gain insight into how, when, and by whom your software is being activated and used to improve product and business decision-making capabilities.

### Key Features

**Protect Once, Deliver Many, Evolve Often™** – design philosophy that separates business and engineering processes, enabling software publishers to maximize operational efficiency and business agility.

**Flexible Licensing** – the industry’s broadest selection of license models, enabling software publishers to support perpetual, time-based, usage-based, and subscription business models.

**Cross-Locking** – enabling license enforcement with hardware- or software-based keys.

**Award-winning security features** – protecting applications from unauthorized use, distribution, tampering, and reverse-engineering.

**Sentinel EMS** – a centralized web-based platform that enables software publishers and their end users to effectively manage their entitlements, from delivery and activation to lifecycle management and tracking.

**Sentinel Insight** – detailed usage tracking and reporting tools for software publishers and their end users.

### Why Sentinel Software Monetization Solutions?

Sentinel License Development Kit (LDK) is a comprehensive software monetization solution that pairs the award-winning security, licensing flexibility, and ease-of-use features of the Sentinel license enforcement solutions with the licensing operations management features of Sentinel EMS (Entitlement Management System) in one out-of-the-box solution.

<table>
<thead>
<tr>
<th>Target Audience</th>
<th>Driver</th>
<th>Pain Point</th>
<th>Sentinel LDK’s Answer</th>
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<tr>
<td><strong>All audiences</strong> – Secure your revenue and ensure your competitive advantage with our unmatched security protection tools or mechanisms.</td>
<td>Increased security</td>
<td>&quot;Are intellectual property protection, software copy protection, and piracy true pain points?&quot;</td>
<td>As the most secure software protection and licensing solution on the market, Sentinel LDK employs a wide range of standard public cryptographic algorithms that allow you to maintain your competitive advantage. Sentinel LDK provides all the necessary tools to automatically wrap your source code, ensuring that only authorized users are able to make use of your protected application.</td>
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<td><strong>Product Management</strong> – Quickly respond to evolving market needs and changes while decoupling engineering from business functions.</td>
<td>Separation of engineering &amp; business functions</td>
<td>&quot;Struggling with managing an abundance of licensing models and, as a result, frequently re-engineering your offering?&quot;</td>
<td>Sentinel LDK enables software publishers to maximize product versatility and business agility without needing to re-engineer nor re-package newly introduced product offerings.</td>
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<td><strong>BizDev, Marketing, PM</strong> – Improve business decision-making capabilities by identifying customer habits, and by analyzing and identifying market trends.</td>
<td>Increased visibility</td>
<td>&quot;Want more control and insight on aggregated licensing information?&quot;</td>
<td>Sentinel LDK helps guide future product management and business development strategies as it allows highlighting activation. This information can help guide decisions around which features, products, and offerings should receive additional investment.</td>
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<td><strong>Operations, CXO</strong> – Easily and accurately forecast license renewals, upgrade, and budget company-wide.</td>
<td>Improve business operations</td>
<td>&quot;Losing track of customer-specific licenses, expirations, and renewals?&quot;</td>
<td>Sentinel LDK provides both the technology and the know-how to design, implement, and manage a licensing system that not only ensures end-user compliance but also improves business operations company-wide. Sentinel EMS provides role-based, centralized management of all tasks associated with licensing, from packaging to delivery and activation through customer tracking and management.</td>
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The MOST Secure
As the most secure software protection and licensing solution on the market, Sentinel LDK employs a wide range of standard public cryptographic algorithms, such as AES 128, ECC 224, and RSA 1536. Additionally, Sentinel LDK provides all the tools needed to automatically wrap your source code, ensuring that only authorized users can decrypt and run the protected application. The secure communication channel provided by Sentinel LDK ensures that the communication between the protected application and the hardware key is encrypted and cannot be replayed. Sentinel LDK is the industry pioneer in using white-box cryptography as a means of fully encrypting the communication channel.

The MOST Versatile
Delivers the option to choose from the industry’s widest variety of flexible license models and enforcement mechanisms to enforce the terms of their licensing contracts and service agreements, and to prevent malicious or unintentional misuse of software. Sentinel LDK is the industry’s only software monetization solution to offer software vendors hardware, software, and cloud-based license delivery and locking options.

The MOST Intelligent
Helps guide future product management and business development strategies as it allows you to easily highlight activation and usage data collected by Sentinel in addition to generating reports on popular features, peak usage times, and regional trends. This information can guide decisions around what features and markets should receive, or not receive, future investment.

The MOST Efficient
Sentinel LDK, coupled with Sentinel EMS, provides software publishers with both the technology and the business process know-how to design, implement, and manage a licensing system that not only ensures end-user compliance, but also improves business operations company-wide. Sentinel EMS provides role-based, centralized management of all tasks associated with licensing from packaging to delivery and activation, through customer tracking and management.

The MOST Trusted
For over two decades, software publishers have put their trust in SafeNet’s hardware-based keys in order to protect their valuable software against piracy. SafeNet’s state-of-the-art technologies provide full-scale security and licensing solutions for software vendors wishing to address every aspect of the software monetization lifecycle—from copy and intellectual property (IP) protection to product catalog management and ongoing end-user experience improvement. Supported by a set of development and management tools, the Sentinel portfolio enables software vendors and developers to implement flexible licensing enforcement solutions that best meet their business needs and their customers’ evolving demands.

To download a FREE Sentinel LDK Demo Kit, visit: 
http://www.safenet-inc.com/sentinel-dk-download/