

LEAFLET

# CodeSign by NuSummit Cybersecurity

DevOps-Ready. Scalable. Automated. Non-Invasive.  
That's CodeSign for You.



# Get Started with CodeSign

With the proliferation of software distribution channels and platforms, ensuring the security and authenticity of code has become increasingly complex but crucial to reinforcing customer trust. This has made code signing an essential practice for software developers and distributors.

CodeSign by NuSummit Cybersecurity is a secure, automated, and DevOps-ready solution that ensures the integrity of software applications, protects the signing keys with full audit trails, and helps combat malware. It allows unmatched versatility to sign any file type across all platforms.

## Core Features



### Access Control

- Seamless user authentication through integration with enterprise directories.
- Use of public-key cryptography to verify machines.
- Capability for role-based access and user self-service.



### Certificate Management

- Web-based user interface for certificate management.
- Integration with a Hardware Security Module (HSM) for added security.



### Secure Key Management

- NuSummit Cybersecurity's CodeSign securely manages the signing keys in HSM/Secure Keystore.
- Signing key access allowed only via CodeSign sever for an approved request, initiated by an authorized user from an authorized machine.



### Workflow Engine

- Inbuilt workflow engine to facilitate approval routing for projects, builds, and certificates.
- Granular audit trail of approvals and signing actions.



### Record Keeping

- Comprehensive records of each file signing activity to ensure accountability and compliance.

# Why CodeSign?

## Unified

- Automated code signing platform that consolidates the process at the organization level; establishes a unified way of signing.

## Development-friendly

- Easy CLI integration with options to submit file signing parallelly.
- It can easily become part of the DevOps pipeline.



## Flexible Pricing

- Pay-as-use, flexible payment model with several signing-based licenses.

## Secure

- Cloud HSM is for securely storing signing keys, moving the keys away from the organization, implementing more security, and increasing trust.
- Role-based approval provides complete control over every code signing activity.
- Automated audit trails make the process transparent for the infosec team.

# Functional Advantages



## Automated Build and Release Integration

- Integrates natively with software build and release systems for automated file signing.
- Configures GUI options and parameters to sign different file types.
- Signs multiple files concurrently.



## Multi-Platform and Format Support

- Compatible with Windows, Linux, and macOS platforms.
- Supports various file types, including .msi, .dll, .exe, Docker images, and more.



## Flexible Signing Options

- Offers basic signing, GPG signing, hash sign, force signing, append signing, MAGE, and WHQL capabilities.

# How Has This Solution Helped Clients

NuSummit Cybersecurity helped a major player in the enterprise software industry, renowned for its exceptional range of innovation-first solutions catering to the diverse needs of multiple domains.

As one of the world's largest enterprise software providers, ensuring the authenticity of released/updated software at the user's end was crucial. However, despite multiple security controls, proving code authorship was challenging and required circuitous methods to survive audits. To address this, they needed an automated, centralized code signing system that could simplify, secure, and streamline the process.

NuSummit Cybersecurity's CodeSign solution offered an automated code-signing process with easy integration and the ability to sign multiple files parallelly. This made the system highly scalable and extensible. It also featured secure key management and role-based access control to ensure added security.



## Key Solution Highlights



Signing ~12 million files per year.



Enterprise-grade malware scanner to inspect files for malware.



Built-in workflows and audit trails for approvals and signing actions.



Support for over 50 file types, with the ability to add new file types through plugins.



Tightly integrated with the build process to ensure there are no gaps in the signing process.



Supports multiple platforms and certificates, including standard, EV, and self-signed certificates.



# Benefits

With CodeSign's help, the authenticity of enterprise software is guaranteed, inspiring customer confidence and trust. CodeSign enhances security by seamlessly signing an average of 1 million files per month, encompassing various sizes and types. CodeSign is closely integrated with the build process, making code signing invisible to DevOps and development teams and eliminating delays. CodeSign simplifies policy enforcement, access control, certificate management, and secure key storage, providing a comprehensive one-stop solution for all application code signing needs, regardless of file types or platforms.



# About NuSummit Cybersecurity

**NuSummit Cybersecurity** helps build and transform cybersecurity postures to enable businesses to mitigate risks. We are a pure-play cybersecurity services company with deep expertise in Identity and Access Management, Risk Advisory, Security Verification, Managed Detection and Response, and Security Engineering services.

Our unique products and services help businesses build and transform security postures while mitigating risks. Our focus is to strengthen security resilience by minimizing the occurrence of attacks, threats, and risks so that you can drive change, innovate, and accelerate growth.

For more information, visit us at [cybersecurity.nusummit.com](https://cybersecurity.nusummit.com) or write to us at [cybersales@nusummit.com](mailto:cybersales@nusummit.com)

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