



DATASHEET

**DevOps-ready. Scalable.  
Automated. Non-invasive.  
That's CodeSign for you.**

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.



## Key Features

- Highly scalable signing for more than 12 million files per year.
- Use any CA, including your own.
- Built-in workflows and audit trail of approvals and signing actions.
- Support for HSMs and secure key management.
- Includes Basic Signing, GPG Signing, Hash Signing, Force signing, Append Signing, MAGE, WHQL, and more.
- Tightly integrated with build process to ensure leak-free signing.
- Cross-platform and multiple certificate (standard, EV, and self-signed certificates) support.
- Enterprise-grade malware scanner for comprehensive threat detection and protection.
- Supports 50+ file types with plug-in integration for new formats.



# Why CodeSign

## Architecture Style

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

## Flexible Pricing

- Pay-as-use, flexible payment model with number of signing based licensing.

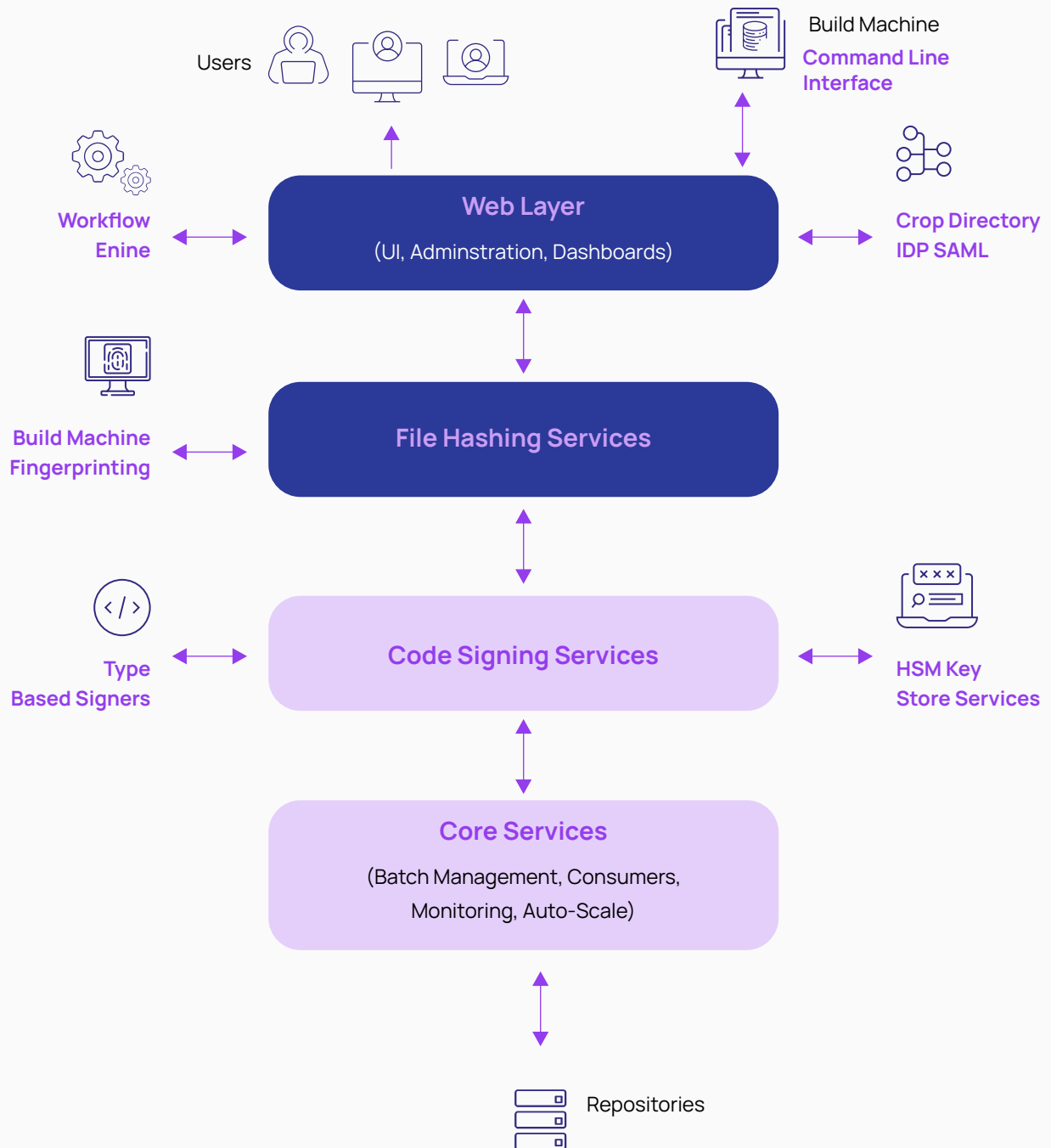
## Development-friendly

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

## Secure

- Cloud HSM for secure storage of signing keys, moves the keys away from organization; implies more security, increases the trust.
- Role-based approval provides complete control over every code signing activity.
- Automated audit trails make the process transparent for Infosec team.

# Functional Architecture







# Key Highlights

CodeSign provides a role-based approval process with workflow engine in place along with integration with corporate directory, to ensure secure signing process and enforce code signing policies. Code signing keys are securely stored in HSM or secure keystore. CodeSign is a secure, automated, and highly scalable signing solution

## Architecture style

- Microservices - Improved modularity, high scalability

## Mode of Signing

- Hash Signing
- Remote Signing (pluggable Malware Scanner)

## Certificate Type

- Self-Signed Certificates
- Standard Code Sign certificate issued by any CA
- Extended Validation/ EV certificate

## Product Hosting

- On premise: software runs in Customer Data Center
- Public Cloud: software runs in Public Cloud Services Data Center (Amazon, Azure)
- Managed Cloud: software runs in Private Data Center (Company Data Center)

## File Type Support

1	Windows	dll, exe, js, sys, msi, vbs, msp, ocx, cp1, ps1, wsf, cab
2	Java	jar, war, ear, hpi
3	Android	apk
4	RPMV3, RPMV4	rpm
5	GPG	Any Linux file types
6	Docker	Docker Images
7	IOS/MAC	dmg, ipa, pkg, app
8	XAR	xar, safariextz
9	MAGE	manifest, exe.manifest, application
10	HLK/WHQL or Driver	sys, cat, DLL, H LKX
11	VSIX	VSIX
12	Debian	Deb
13	HELM Chart	HELM Char

\* Plugin based approach to support and add new file type signing

# Key Value

Code signing is a proven security practice to protect and extend the trust-based usage of software systems and applications. Organizations that publish as well as consume software, need a secure code signing mechanism to ensure software authenticity. It is very important to have a secured, well-monitored, and consolidated code signing process to achieve the utmost reliability.

CodeSign by NuSummit Cybersecurity not only makes the signing software, updates or executable easy but also takes care of policy enforcement, access control, certificate management, secure key storage, and provides a one-stop solution for application code signing.

# 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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