

SOLUTION BRIEF



Secure, DevOps Ready, Scalable
Software Signing Solution



Tamper-proofs applications and authenticates software publishers to build trust

Business Challenges

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

It creates a unique signature that verifies that the software has not been tampered with or modified, adding an extra layer of security, and demonstrating legitimacy and safety to users.

To address this growing demand for secure code signing, Aujas Cybersecurity offers an automated, DevOps-ready code-signing solution — CodeSign. It enables organizations to manage and scale their code-signing process, reducing the risk of malicious attacks and ensuring software authenticity.

Purpose-built to support a broad range of development languages, environments, and automated workflows, CodeSign is an all-in-one solution for enterprises looking to strengthen user trust and software security.

Key features

HSM Integration

- ✓ Luna HSM integration for providing a secure environment for storing cryptographic keys
- ✓ Secure cryptographic operations and control over unauthorized access of keys

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

Workflow engine

- ✓ Inbuilt workflow engine to facilitate approval routing for projects, builds, and certificates

VERIFIED SOLUTION

THALES

- ✓ Granular audit trail of approvals and signing actions

Record keeping

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

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

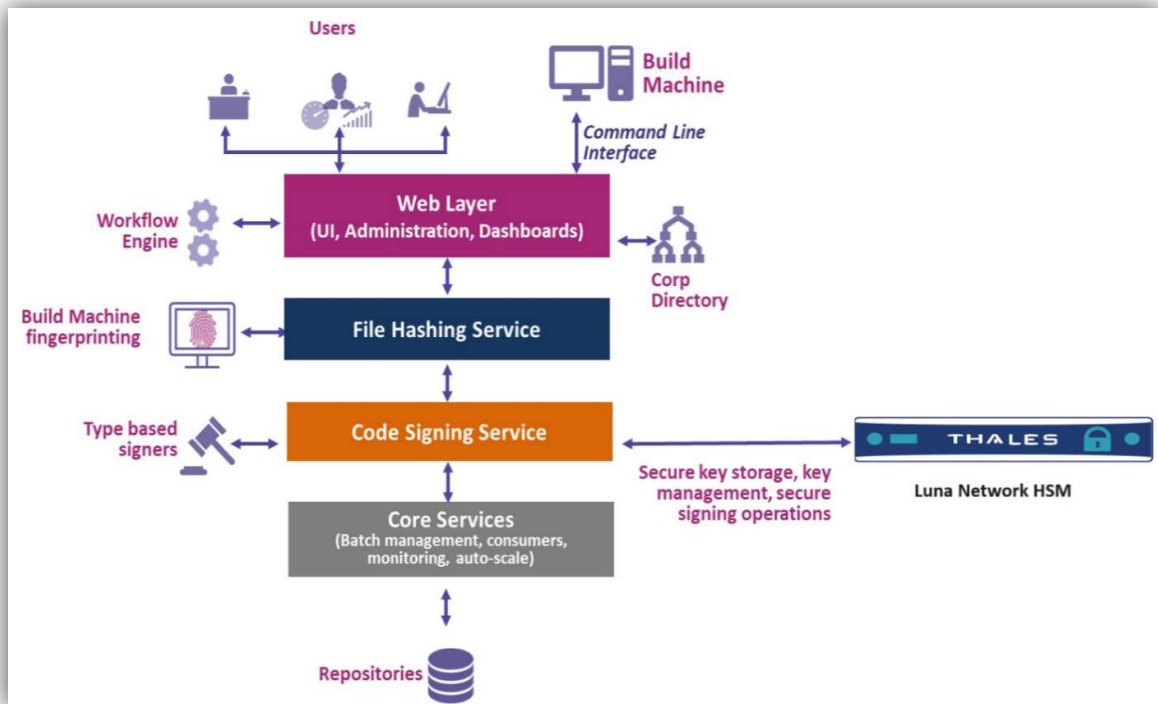
Flexible signing options

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

Aujas code sign workflow

Thales Luna Network HSM

Thales Luna Network HSM played a vital role in safeguarding sensitive and cryptographic keys within



a tamper-resistant device. Exploiting the power of Luna HSM features, Aujas Cybersecurity seamlessly integrated their 'CodeSign' application to offer secure solution to their valued customers. Using Luna HSM, the security standard was far more elevated to secure cryptographic operations and control over unauthorized keys accesses.

Why CodeSign?

Enhances security

Utilizes an enterprise-grade Thales Luna Network HSM (Hardware security module) for key generation, storage & maintenance

Maintains software integrity

Certifies that software has not tampered with post-release

Builds customer trust

Establishes a reputation for security and reliability to increase user confidence

Offers unmatched convenience

Centralizes certificate and key management to consistently enforce security policies

Provides better control

Implements role-based approval and automated audit trails for complete control

Scales as per need

Offers easy-to-scale cloud architecture and volume-based licensing model

Ensures expert support

Offers the expertise of a highly competent team to address your code-signing challenges

Supports customization

Ensures compatibility with the latest file formats and technologies via customized workflows

Discover how Aujas' CodeSign can enhance your applications security with a live demo. To know more, please visit <https://codesign.aujas.com/>

About Aujas Cybersecurity

Aujas Cybersecurity is a provider of enterprise security services that is now a part of the NSE Group, one of the world's top three stock exchanges, and a subsidiary of NSEIT, a leading BFSI-focused IT company. Since our founding in 2008, we have been committed to offering services and solutions in the areas of identity and access management, data protection, risk and compliance, security testing, and security advisory. With a team of highly experienced security professionals and innovation-first offerings, we have established ourselves as a trusted partner for clients across various industries.

For more information, do visit Aujas Cybersecurity at www.aujas.com.

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