CodeSign Secure

A secure and flexible code signing solution

Overview

When a software/script/macro is downloaded, during its installation or execution you will see a popup saying, "Are you sure you want to run this?" or "Do you want to allow the following program to make changes to this computer." This popup is Code Signing in action. Code Signing solutions play an important role as they allow identification of legitimate software vs malware or rogue code or software.

Code Signing is a process that confirms the authenticity and originality of digital information, especially software code, assuring this digital information is not malicious code and establishing the legitimacy of the author. It also provides assurance that this piece of digital information has not been changed, tampered with, or revoked after it has been digitally signed.

Key Features At A Glance

Ease in Code Signing
Ease in Code Signing as certificate management for Code Signing certificates is automated.

Built-in support for best-in-class Antivirus
Supports Malware and Virus scans for enhanced security before signing the code.

Multi deployment mode
Multi deployment options with on-premises, private cloud, or SaaS options

Reporting and Audit features
Reporting and auditing features for full visibility on all private key access and usage to InfoSec and compliance teams

Built-in support for advanced security controls
Client-side hashing, MFA, device authentication, M of N quorum approvers, multi-tier approver workflows, etc.

Faster Code Signing Process
Expedited Code Signing process, as Code Signing occurs locally on the build machine

Enforce InfoSec Policies and Workflows
Driven by flexible and customizable InfoSec policies and approval workflows.

Quick and Easy integration
Quick implementation via seamless integrations with the customer's existing build processes

Strongly Secured Private Keys
Code Signing private keys never leave the FIPS certified encrypted storage systems (HSMs) during the Code Signing operation.

Built-in support for multiple platforms and file formats
Fully integrated signing for different platforms like Windows, MacOS, GPG/PGP, Repository packages, Documents, PKCS#7, PKCS#11, Command line signing, docker images, etc.

Why use Encryption Consulting's CodeSign Secure?

CodeSign Secure helps customers stay ahead of the curve by providing a secure CodeSigning solution with tamper proof storage for the keys and complete visibility and control of Code Signing activities.

- To avoid the risk of being stolen, corrupted, or misused, the code-signing certificate's private key can be stored in HSM.

- Client-side hashing ensures build performance and avoids unnecessary file movement that results in high level of security.

- The command line signing tool provides a faster method to sign requests in bulk.

- Robust access control systems can be integrated with LDAP and customizable workflows to mitigate the risk of unauthorised access and sign code with malicious certificates.

- Support for customized workflows of an "M of N" quorum with multi-tier support of approvers.

- Support for InfoSec policies to improve adoption of the solution and enable different business teams to have their own Code Signing workflow.

- Validating code against UpToDate antivirus and malware definitions before signing it digitally and that mitigates risks associated with signing malicious code.

Solution Integration

CodeSign Secure is designed to provide the most secure Code Signing capabilities and built-in support to customize your Code Signing workflow as per the customer's needs and latest security standards. The open architecture framework provides the utmost flexibility for implementation in the customer environments without altering their existing build processes, be it traditional SDLC, Agile, or DevOps. The product seamlessly integrates with your on-premises systems and provides an easy-to-use interface to manage and operate Code Signing within the organization

Jenkin   Microsoft

android   rpm   Java

debian   GnuPG   XML

npm   git   OpenSSL
Cryptography and SSL/TLS Toolkit

See it in action

Encryption Consulting LLC is a customer-focused cyber securtiy consulting firm providing an array of services in all aspects of data protection.

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