

DIGICERT® SOFTWARE TRUST MANAGER

Protecting software integrity across the software supply chain

Overview

DigiCert® Software Trust Manager is a digital trust solution that protects the integrity of software across the software supply chain, reducing risk of code compromise, enforcing corporate and regulatory policy, and delivering fine-grained key usage and access controls for code signing.

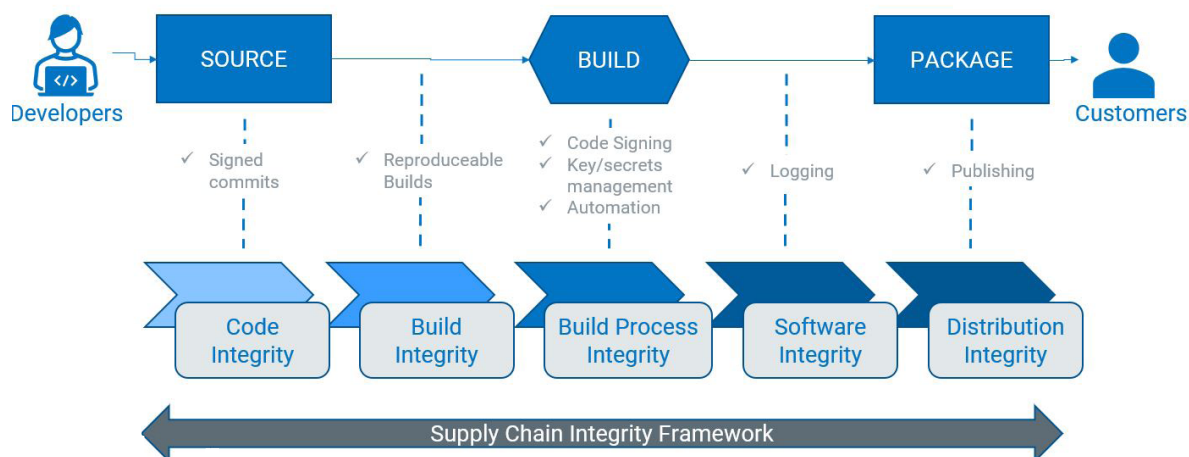
Software Trust Manager minimizes the risks of security breach and malware propagation in the development, build and release of software, enabling companies to protect against software supply chain attacks and comply with government regulations.

65% of companies are affected by software supply chain attacks

Software Trust Manager Key Benefits

- **Reduce Risk:** Reduce points of vulnerability in the development lifecycle and software supply chain
- **Enforce Policy:** Enforce corporate policy and regulatory compliance, and increase agility
- **Centralize Control:** Control key usage & signing access to prevent insecure practices

Software Trust Manager provides features and integrations to meet the requirements of the Software Supply Chain Integrity Framework, which consists of standards and controls in the software development lifecycle for preventing tampering, improving integrity and securing packages and infrastructure



Software Trust Manager Key Features



Reduce Risk

Protect keys from security breach and theft

- HSM-based key management and storage (on-premises or cloud)

Mitigate malware and compromised code

- Integrated application security testing (DAST) to identify security weaknesses in code
- Git commit signing, to protect source code integrity

Create corporate inventory

- Certificate import (CA-agnostic and self-signed) into repository

Standardize and centralize management

- Predefined certificate profiles and cryptographic algorithms

Track signing activities, aiding audit and remediation

- Predefined and automated code signing workflows
- Logging of signing events and keypair operations
- Reporting & analytics



Enforce Policy



Centralize Control

Set fine-grained key usage and access controls

- Key usage models: static, dynamic, rotating
- Key modes: online/offline, production/test, on-demand, scheduled, time-based, 1-time
- Key profiles: open/restricted
- Algorithms: RSA, ECC, EC-DSA, Edwards, RSA-PSS (for device)

User and team-based signing and permissions

- User access and management controls
- Team-level controls (e.g., multi-user approvals, group permissions)

Use Cases



External Software Publications



In-House Tools & Applications



Repository Commits & Testing



Containers



Product / IoT Software Security

Integration with Enterprise Systems

- **CI/CD Platforms:** Apache ANT, Apache Maven, Azure DevOps, CircleCI, GitLab, Gradle, Jenkins
- **Client-Side Libraries:** Apple CryptoTokenKit, Microsoft KSP (for Authenticode, Mage, Nuget, Clickonce), PKCS11, SmartCard Daemon
- **Operating Systems & Platforms:** Android, Debian, Docker Notary, GPG, Java, Linux, OpenSSL, RPM, XML
- **Application Testing:** ReversingLabs
- **Marketplace Plug-In:** Azure Visual Studio Marketplace, GitHub, Jenkins
- **HSMs & DPOD:** Thales

DigiCert ONE: The Platform for Digital Trust

Software Trust Manager is part of the DigiCert ONE platform, which unifies PKI workflows on a modern, containerized architecture delivering:

- **High scalability** with automated orchestration for high volume workloads
- **Deployment flexibility**, supporting on-premises (including air-gapped environments), cloud (public and private), hybrid, and in-country deployment models
- **Fast time to value** with rapid CA and ICA creation
- **Unified PKI management** for PKI workflows governing TLS, enterprise trust, device trust, software trust, and content trust.

If you would like a demo of DigiCert® Software Trust Manager, please email pki_info@digicert.com.

About DigiCert, Inc.

DigiCert is the world's leading provider of digital trust, enabling individuals and businesses to engage online with the confidence that their footprint in the digital world is secure. DigiCert® ONE, the platform for digital trust, provides organizations with centralized visibility and control over a broad range of public and private trust needs, securing websites, enterprise access and communication, software, identity, content and devices. DigiCert pairs its award-winning software with its industry leadership in standards, support and operations, and is the digital trust provider of choice for leading companies around the world. For more information, visit digicert.com or follow @digicert.

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