



Code Signing CA

HSM-backed control for code signing

Control Code Signing from Build to Distribution

Futurex Code Signing CA gives development, security, and release teams a controlled way to issue code signing certificates, protect signing keys in FIPS 140-2 Level 3 validated hardware, and apply trusted signatures through approved release workflows.

Teams can trigger signing actions through GitLab CI/CD and Jenkins using CLI or API integration while maintaining audit records for certificate use, signing approvals, and signed artifacts.



Unified Control for Code Signing Operations

- HSM-backed key custody keeps private signing keys inside FIPS 140-2 Level 3 validated hardware.
- Pipeline-triggered signing allows approved release workflows to apply signatures without exposing private keys.
- CRL and OCSP support helps teams maintain certificate status validation across signed artifact environments.

Code Signing CA Capabilities

Certificate Request and Issuance Control

Process CSRs, apply certificate policy, issue code signing certificates, and distribute signed certificates through defined workflows.

HSM-Backed Signing Operations

Protect code signing keys and apply digital signatures without exposing private keys to general-purpose systems.

Developer and Pipeline Integration

Connect CryptoHub to GitLab CI/CD and Jenkins through CLI or API, enabling approved signing actions within release workflows.

Trust Chain and Status Validation

Support certificate chain validation, trust store distribution, CRL management, and OCSP-based status checking.

Audit Trails and Access Control

Track code signing operations and certificate lifecycle events with role-based permissions and multi-factor authentication.

Certificate Lifecycle Management

Monitor expiration dates, automate renewal workflows, and maintain revocation records tied to certificate status and release trust.



Built for Code Signing Control

Futurex brings certificate issuance, HSM-backed signing, pipeline integration, and certificate status validation into a unified operating model for teams that need controlled code signing across software release environments.

What Does Futurex Code Signing CA Do for You?

Futurex Code Signing CA helps teams protect signing keys, control certificate use, validate release trust, and document which artifact was signed, by whom, and under what authorization.

• Automate Release Signing Workflows

Trigger approved signing actions from existing build and release workflows without moving signing keys outside HSM-backed protection.

• Control Signing Approvals

Route certificate requests and signing actions through defined workflows so development, security, and release teams can control who signs and which certificate is used.

• Validate Certificate Status

Support certificate chain validation, trust store distribution, CRL management, and OCSP-based status checking across signed artifact environments.

Built for Release Trust Control

Support for Windows Authenticode, Linux kernel module, firmware, container image, and macOS signing scenarios.

Pipeline-triggered signing actions for controlled release workflows.

FIPS 140-2 Level 3 validated HSM protection for code signing keys.

Audit records documenting certificate issuance, signing approvals, certificate use, and signed artifact activity.

Certificate lifecycle management with expiration monitoring, renewal workflows, and revocation tracking.

About Us

For over 40 years, Futurex has been an award-winning leader and innovator in the encryption market, delivering uncompromising enterprise-grade data security solutions. Over 15,000 organizations worldwide trust Futurex to provide groundbreaking hardware security modules, key management servers, and cloud HSM solutions.

Futurex is headquartered outside of San Antonio, Texas, with regional offices worldwide and over a dozen data centers across five continents, Futurex delivers unmatched support for its clients' mission-critical data encryption and key management requirements.



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