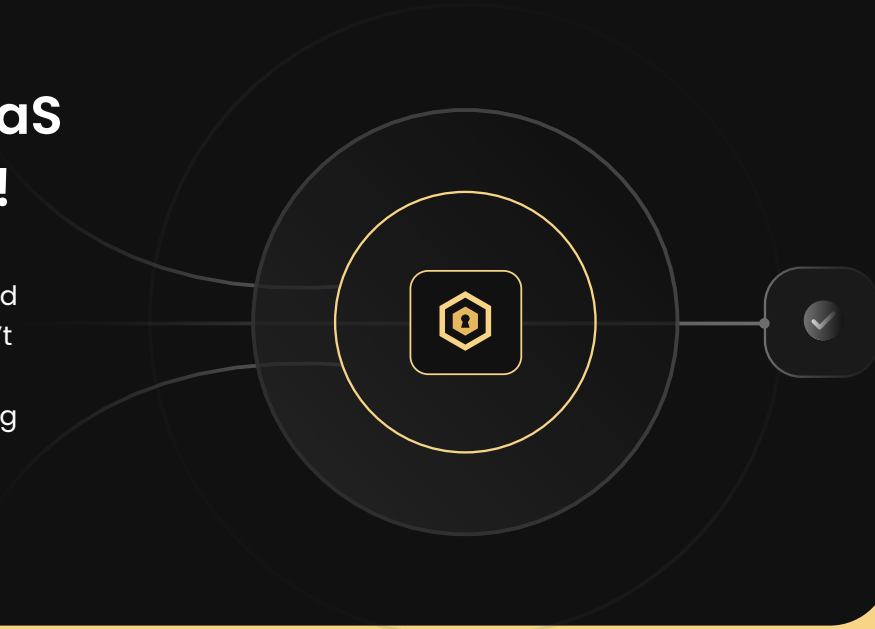


# Enterprise Grade PKIaaS with PQC Capabilities!

Complex PKI deployments, security gaps, and operational burdens, managing PKI shouldn't slow you down! We deliver a fully managed, scalable, and highly secure solution, ensuring seamless management, compliance, and integration.



## Introduction

Securing your digital ecosystem requires more than just certificates, it demands a future-ready PKI that operates seamlessly across cloud, hybrid, and on-prem environments. Traditional PKI deployments come with high maintenance costs, compliance challenges, and operational risks. With Encryption Consulting's PKIaaS, your organization gains a secure, scalable, and fully managed PKI solution that enhances security, ensures compliance, and provides full post-quantum support, eliminating administrative overhead.

## Why Choose PKI-as-a-Service?

Our PKIaaS eliminates operational complexity, accelerates modernization, and strengthens compliance through a fully managed and scalable solution.

**Overcome Resource Constraints:** Avoid in-house PKI complexity with a fully managed, highly available PKI service that scales without added headcount, including built-in expertise for PQC readiness and hybrid certificate management.

**Enable Seamless Modernization:** Easily transition from outdated systems to cloud-native platforms, microservices, and operations. We remove the manual effort while ensuring consistent, secure operations and cryptographic agility.

**Ensure Security & Compliance:** Maintain strong security and regulatory alignment through pre-configured encryption controls, automated compliance updates, and support for rapid hybrid certificate issuance.

## Benefits

- Management is simplified, creating a zero-touch ecosystem where the user never interacts with PKI components. Every certificate request is intrinsically tied to a verified identity.
  - Certificates are only issued to authenticated, authorized users, devices, or workloads. All issuance strictly follows organizational security standards and industry best practices.
  - Secure your critical CA keys using FIPS 140-3 Level 3 certified Cloud HSMs, enforced by multi-factor authentication for Root CA access and stringent access policies.
- Enable self-service capabilities and
- automated issuance, renewal, and revocation. The solution supports both classical and Post-Quantum Cryptography (PQC) algorithms for future readiness.
  - Offload management to our experts, allowing you to scale effortlessly with tailored CA hierarchies for any environment. Maintain continuous compliance (SOC 2 Type II, NIST, PCI DSS) through 24/7 monitoring.

# The Encryption Consulting Difference

Managing PKI in-house presents security risks, operational bottlenecks, and compliance challenges. Our PKIaaS eliminates these pain points with:

**Expert-Led Strategy & Implementation:** Our specialists design and manage PKI environments built for resilience, security, and scalability with native PQC capabilities to issue ML-DSA certificates

**End-to-End Compliance & Risk Mitigation:** Simplifies compliance management and ensures audit readiness with industry-leading security controls for hybrid cryptography.

**Rapid Deployment & Minimal Downtime:** Get up and running in days, not months, with a seamless implementation process tailored to your business needs.

**Trusted by Leading Enterprises:** Financial institutions, healthcare providers, and technology leaders rely on our PKIaaS for secure digital identity management.

## Integrate PKIaaS Into Your Enterprise

<b>Certificate Authorities:</b>	Microsoft
<b>Extensibility:</b>	CA Gateways, REST API, ACME, Agents, Orchestrations, SCEP, Active Directory , Microsoft Intune
<b>HSM:</b>	Thales, Entrust
<b>Email:</b>	Gmail, Outlook, S/MIME Email Service

## Key Features

- **Securing CA Infrastructure:** Ensures the highest level of security by protecting CA keys with FIPS 140-3 Level 3 certified Cloud HSMs and enforcing strict access policies, including multi-factor authentication for Root CA access, enabling the creation of hybrid CAs.
- **Private PKI Tenant Environment:** Delivers a dedicated, single-tenant architecture that increases the availability and scalability of Issuing CAs while providing real-time CRL infrastructure, monitoring, and robust backup and recovery services.
- **Seamless & Efficient PKI Management:** Simplifies private PKI deployment with custom CAs that can be created in minutes, automated certificate lifecycle management, and a centralized web console for complete visibility and control, including support for ML-DSA signatures.
- **Scalable PKI:** Supports comprehensive protocol standards (including WSTEP, ACME), SCEP, REST API integrations and modern use cases with auto-enrollment for efficient certificate issuance, seamless MDM integrations like Microsoft Intune, and a flexible deployment
- **Continuous Monitoring & Security:** Provides 24/7/365 expert-led PKI operations, including CA and CRL renewals, patch management, firewall maintenance, and rapid incident response, ensuring uninterrupted security and compliance.
- **Robust Security & Compliance:** Meets the highest security and compliance standards with PQC standards, SOC 2 Type II certification, NIST-compliant key management, and adherence to PCI DSS v3.2.

# Multiple Deployment Options To Choose From

Security needs vary, and so should your HSM architecture. Whether you require full control, cloud agility, or a hybrid approach, our HSMaaS adapts to your business requirements, delivering the perfect balance of security, scalability, and compliance.



## On-Premises

Enhance your digital security by implementing our managed PKI within your infrastructure with full PQC capability management.



## PKIaaS

Experience a fully customized PKI solution with our managed and hosted services.



## SaaS

Enhance security, reduce costs, and establish digital identities for your users with our PKIaaS.

## Use Cases

Accelerate PKI automation, enhance security, and ensure compliance with PKIaaS, enabling trusted identity, encryption, and certificate lifecycle management across your organization.

### Microsoft Intune

Issue high-assurance certificates to secure Intune-managed devices and applications. Automate revocation and simplify policy management.

### Automated Enrollment

Streamline certificate provisioning through automated enrollment for users and devices. Supports Microsoft ADCS, Intune, ACMEv2, and SCEP.

### Endpoint Authentication

Secure endpoints with automated certificate issuance for UEM/MDM platforms. Enable real-time synchronization and granular access control with hybrid certificate support.

### Managed Root CA

Operate your root CA with ISO 27001 compliance and FIPS 140-3 Level 3 HSMs. Maintain full control over private keys, CRLs, and OCSP services to issue ML-DSA certificates and other PQC certificates.



## Get in Touch

Ready to take control of your PKI security? Contact us today to learn how Encryption Consulting's PKIaaS can transform your enterprise with a secure, scalable, and compliant PKI solution tailored to your business needs. Drop us an email at [info@encryptionconsulting.com](mailto:info@encryptionconsulting.com) or call us at +1- 469-815-4136!