# 👓 CERTInext



## **CERTInext:** Managed PKI and KMS Interface for Seamless Trust Management & Automation

CertiNext is a comprehensive, managed Public Key Infrastructure (PKI) and Key Management Service (KMS) solution designed to meet the growing demands of organizations for secure trust management. Whether you're managing certificates for public trust or private use, CertiNext provides a one-stop platform and single pane of glass for certificate lifecycle management (CLM). Whether generating keys and services. CertiNext enables policy based security controls. From discovery and management to automation and integration, CertiNext powers trust management with ease and efficiency, minimizing manual intervention and maximizing security.

## Capabilities Overview

CertiNext offers a unified interface for managing every aspect of your PKI and cyptographic key assets, simplifying processes and enhancing security. Whether it's discovering, managing, or automating certificate workflows, CertiNext's suite of tools ensures an efficient, secure, and compliant experience.



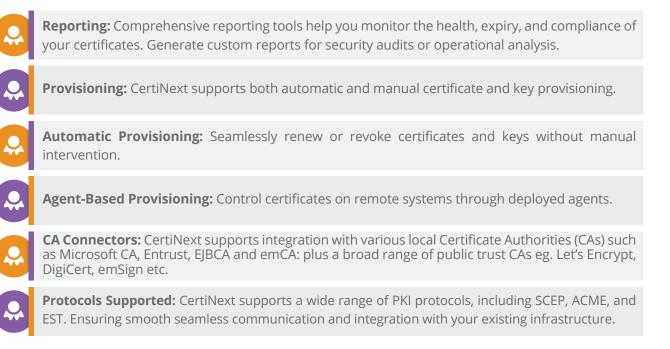
## Functionalities: Discovery & Scanning

CertiNext ensures complete visibility of all your certificates, keys, and related logs across your IT environment, ensuring no gap in security.

- **Certificate Discovery:** Identify certificates across systems, including cloud, on-premise, and hybrid environments.
- **Deep Discovery:** Gain in-depth insights into the certificate attributes, expiration dates, algorithms, and chain of trust, and in many cases a security evaluation of implementation parameters.
- **Key Discovery:** Locate generate and manage cryptographic keys for audit and management purposes.
- **CT Logs Discovery:** Ensure compliance and secure brand by monitoring and discovering SSL/TLS certificates in public Certificate Transparency logs.
- **Agent-Based Discovery:** With agent-based scanning, CertiNext provides deep insights into certificates on remote or hard-to-reach servers.

### Management

CertiNext simplifies the entire certificate management process by offering seamless control over certificate and key issuance, renewal, and revocation.



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## **Automation**

CertiNext drives efficiency by automating complex workflows, from certificate provisioning to renewals. Proposed certificate validity in the web PKI may mean any entity without automation capabilities may be at a severe disadvanteage.



Workflow Management: Automate certificate requests, approvals, renewals, and revocations through highly customizable workflows.

**Certificate Support:** Manage a diverse range of certificates, including SSL/TLS, S/MIME, Code Signing, and IoT certificates.



Lifecycle Management: CertiNext automates certificate lifecycle management (CLM), ensuring timely issuance, renewal, and revocation without human intervention, reducing the risk of certificate-related outages.

## Integration

CertiNext integrates seamlessly with a broad range of applications and tools, enhancing its flexibility and deployment capabilities.

- Microsoft CA, emCA, Let's Encrypt: Integrates • with leading Certificate Authorities for streamlined certificate issuance.
- **ITSM Solutions:** Support for popular IT Service Management (ITSM) platforms such as:
  - ServiceNow •
  - ZohoDesk
  - Freshdesk •
- HSM Integration: CertiNext supports Hardware Security Modules (HSMs) for enhanced key management and security, including:
  - Thales
  - nShield (Entrust)
  - Utimaco
  - **FutureX** •

## **Technical Specifications**

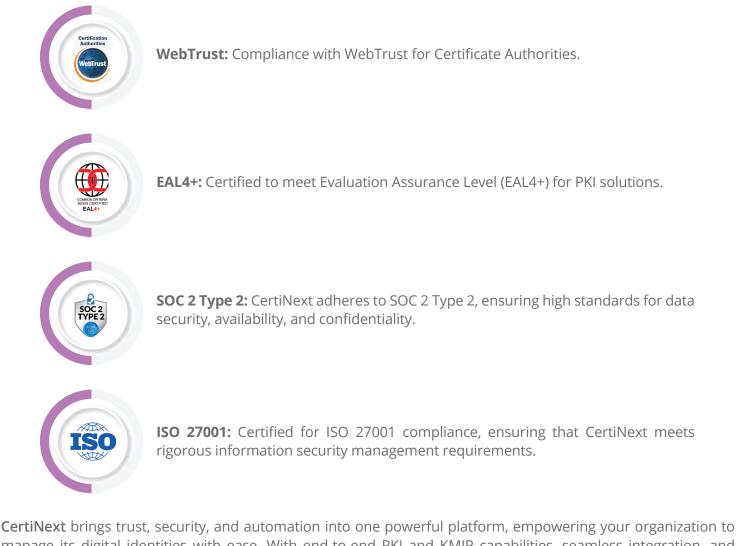
CertiNext offers robust, scalable infrastructure to support enterprises of all sizes.

- Supported Platforms: Windows, Linux, MacOS
- Cloud Support: AWS, Microsoft Azure, Google • Cloud
- Network Protocols: TCP/IP, SCEP, ACME, EST, • OCSP
- Security Standards: FIPS 140-2, TLS 1.2 and • 1.3, SHA-256
- API Integration: RESTful API for custom integrations and automation
- Agent Support: Windows, Linux, and Unix-based agents for certificate and key management
- Monitoring: Real-time monitoring and alerting for expiring certificates and key anomalies
- Storage: Secure certificate and key storage with role-based access control



## **Compliance & Certifications**

CertiNext ensures that your PKI environment meets the highest standards for security and operational compliance, giving you peace of mind. The proposed reduction in WebPKI certificate validity periods may only be possible with some element of automation for most entities.



manage its digital identities with ease. With end-to-end PKI and KMIP capabilities, seamless integration, and comprehensive automation features, CertiNext is your gateway to effortless trust management.

eMudhra offers digital certificates, PKI-based solutions, authentication, and identity governance services. As a leading provider, eMudhra focuses on future proofing cybersecurity with Post Quantum Ready Cryptography and a Zero-Trust Identity Governance model.

For more information or a demo, visit **certinext.us** or reach out to our team at **contact@certinext.us** 

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