DIGICERT® PKI SERVICES & PRIVATE TRUST

Comprehensive services for configuration and management of trusted roots

digicert®

Overview

Certificate Authority (CA) management is a complex endeavor requiring operational knowledge and skills that are in short supply. Companies standing up or migrating CAs face a broad range of operational decisions, where error can result in costly remediation, infrastructure that is difficult to maintain, or breach of trust with customers.

DigiCert PKI Services provide customers with CA configuration, management, and/or migration with comprehensive operations that ensure that trust infrastructure is created and operated in a best-in-class manner that is secure and scalable. PKI Services include secure and stable physical environments, HSMs, policy definition, revocation services, root/intermediate CA, public trust, certificate types, and tools -- all delivered with a base of knowledge has been created and refined since the start of the Internet, providing a depth and continuity of expertise that is unparalleled in the industry.

At a Glance

3,100+
key signings
per year

2,600+
active public and
private roots

5,700+
public and private
intermediate CAs

7
global key
ceremony facilities

Key Benefits

CA Expertise Fine-Tuned Over Decades
DigiCert's deep operational knowledge, accumulated since the early days of the Internet, helps ensure compliant, tested and secure operations, enabling customers to avoid errors in CA configuration and management.

Comprehensive, At-Scale Operations
DigiCert's tooling, infrastructure, service, and expertise delivers trust with faster time to value, streamlined management, and the ability to architect, create, and operate trust according to your business needs and use cases.

Rigorous Methods & Tooling
DigiCert operates private trust with the same methods and discipline as its public trust backed by validation and audits (e.g., WebTrust). Key workflows are codified in tooling (CA Manager and Ceremony Manager) that prevent human error. This rigor translates to customer confidence in the integrity of our trust operations.

Custom Requirements
DigiCert supports bespoke activities such as migrations, analyzing source PKI to destination PKI mapping as well as customized roots, chaining, and profiles; architectures enabling migration from hosted to on-premises; and hybrid architectures (as are needed in IoT), with manufacturer roots and device operator Intermediate CAs.

Customer Guidance
DigiCert's highly experienced PKI operations team supports customers with definition of their PKI hierarchies, CPS, policies, and any other element that is critical to design and delivery of a trust architecture that meets business requirements. The key ceremony experience of this team is foundational, and their processes have been adopted by organizations such as ICANN and Verisign.

DIGICERT® PKI SERVICES HIGHLIGHTS

Physical Operations

7-layer security, dual access, physical surveillance, network security, concrete walls, vaults, mantraps, biometrics, motion detection, logged and auditable

Hardware Security Modules (HSMs)

FIPS 140-2 Level 3 HSM operations, M of N access controls, managed HSM migration (ugrades, portability), HSM maintenance, planning

Certificate Policy (CP) & Certificate Practice Statements (CPS)

Governance, operational controls, physical security, network security, independence of operations, the extended trust of the DigiCert Private CPS

Revocation Services

Offline, online, globally distributed CDN (OCSP, CRL) with low latency

Roots / Intermediate CAs

Planning, chaining, cross-signing, migration

Public Trust

33 annual audits, certificate linting, WebTrust certified operations

Certificates

Profiles and customization with attributes & extensions to fit your business needs

Toolings

Industry-leading DigiCert proprietary automation tooling for signing ceremonies and key generation activities, developed over more than two decades of experience.

Get Started Today

Get started with DigiCert® PKI Services. Contact a DigiCert account manager or email sales@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.