

The Foundation for Modern Internal PKI

Internal PKIs are often created and deployed ad-hoc. Private certificate authorities are stood up quickly to meet immediate needs, rather than as part of long-term strategy. The result is fragmented tools, inconsistent processes, and limited governance—all creating complexity and risk. Over time, these challenges translate into frequent outages and a heavy administrative burden on already stretched IT teams.

In other cases, teams use certificates from public CAs for internal use, because it seems simpler than standing up a private CA. However, policy changes by the CA Browser Forum and browser vendors to reduce lifespans to 47 days and remove support for client authentication (i.e., mutual TLS) are disrupting workflows. These shifts make it increasingly important for organizations to establish an internal PKI over which they have complete control.

There's a better way to use and manage PKI.

DigiCert Private CA delivers a turnkey solution for scalable and secure certificate issuance, ensuring trusted identities across users, machines and workloads. From air-gapped environments to multi-cloud DevOps, DigiCert Private CA offers flexible deployment options with centralized administration, turnkey setup of CAs and hierarchies, and data sovereignty backed by independently audited global operations.

For 25 years, DigiCert has delivered PKI solutions to the world's largest enterprises, bringing deep expertise and proven operational practices, refined over decades.

8B+

Proven scalability

Customers rely on DigiCert Private CA for over 8 billion certificates worldwide

20x

Faster issuance

Experience certificate issuance up to 20 times faster, improving user experiences and increasing scale

5700+

Global presence

DigiCert operates over 5700 Intermediate Certificate Authorities across 7 global facilities

Key Capabilities



Certificate Issuance

- Quickly deploy and configure root and intermediate CAs
- Scale architecture to support high-volume certificate issuance
- Customize templates for users, devices, workloads, IoT and more
- Run global, high speed revocation services (CRL, OCSP)
- Integrate to fit your needs with mature REST API for DevOps, and more
- Centrally manage for ease, using the DigiCert ONE SaaS portal



Security & Compliance

- Support evolving cryptographic standards with RSA, Elliptic Curve, and Post-Quantum algorithms
- Achieve the highest standards with root and issuing CA keys secured in FIPS 140-2 validated Hardware Security Modules
- Control role-based access with separation of duties and comprehensive logging
- Meet data sovereignty needs with DigiCert data centers in North America, Europe, Japan, and Australia
- Work seamlessly with support for HSMs from Thales, SafeNet, Crypto4A, and SoftHSM



Deployment & Integration

- Avoid customer infrastructure complications thanks to SaaS deployment in DigiCert data centers
- Deploy for your needs with options for on-premises or customer cloud as Kubernetes container or Linux application
- Operate hybrid deployment with a combination of SaaS and on-premises roots and ICAs
- Combine with DigiCert Trust Lifecycle Manager for discovery, advanced policy enforcement, additional integrations and protocols, and more

Get Started Today

Contact a DigiCert account manager or email sales@digicert.com to start your modern PKI upgrade with DigiCert Private CA.

About DigiCert

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](https://www.digicert.com).

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