

Zukunftssicheres Certificate Management

7. & 9. Juli 2026

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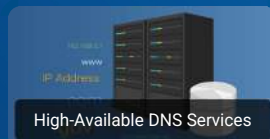
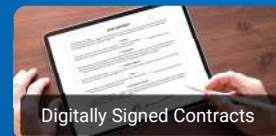
Pascal Wernli - DigiCert

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DigiCert: Leader in Intelligent Trust



Global leader trusted by **100,000+ organizations** including **90+%** of the **Fortune 500** and **SMI**



90%

Fortune 500 companies

180

Countries served

65%

Ecommerce secured

8B+

Machine identities

30%

of global DNS Traffic

80+

Net promoter score

2

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PKI & DNS - the base of Digital Trust



PKI Complexity Rising Rapidly in Enterprises



100X

Machine to User Identities

**Certificate Management is
Becoming More Complex**

53%

Organizations lack
sufficient PKI staff

256K

Average certificates
per organization

Source: Gartner

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Outages & Cost Driving PKI Modernization



Expired certificates cause outages
Manual updates are costly

8X more certificates, **40X** more validations will be needed
Massive increase in operational cost, even more outages

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Regulatory Compliance – the more the better?

NIS 2 Directive
Increased Operators of Essential Services (OES) required to comply by **17 Oct 2024**

Cybersecurity in Medical Devices Submission Guidance
Provide a Software Bill of Materials by **01 October 2023**

Payment Card Industry DSS
Inventory & vulnerability management by **1 April 2025**

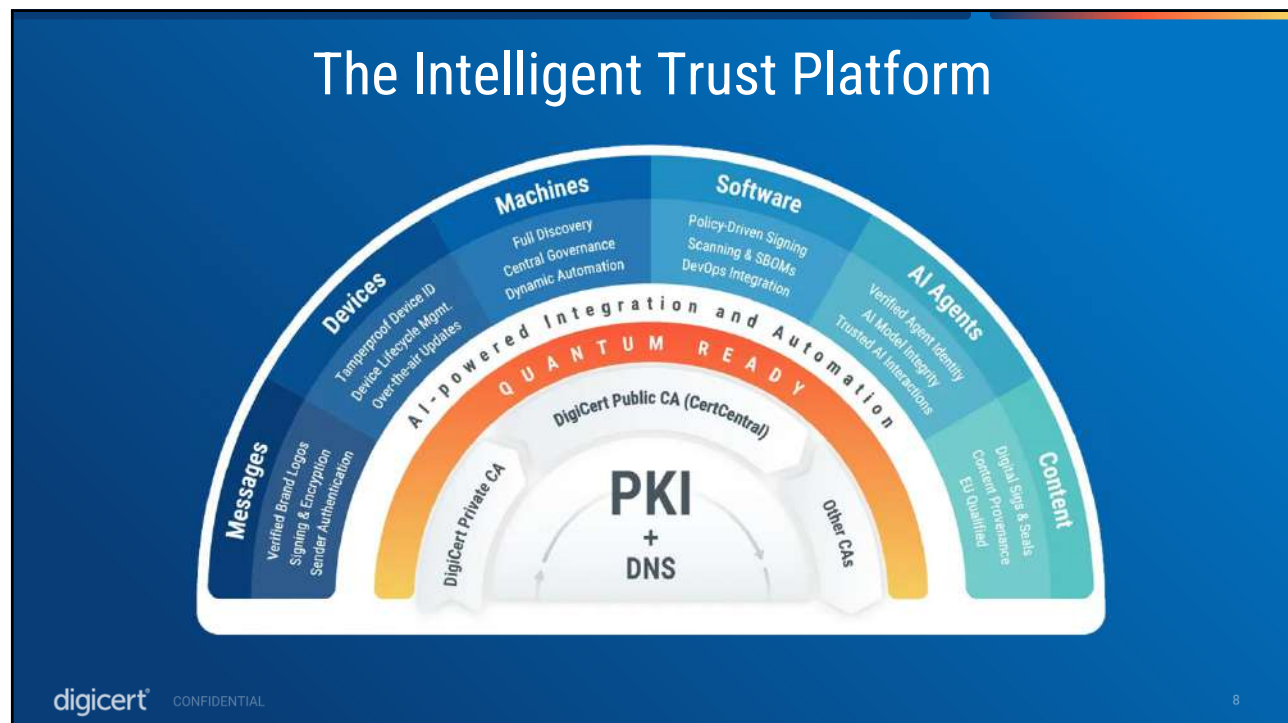
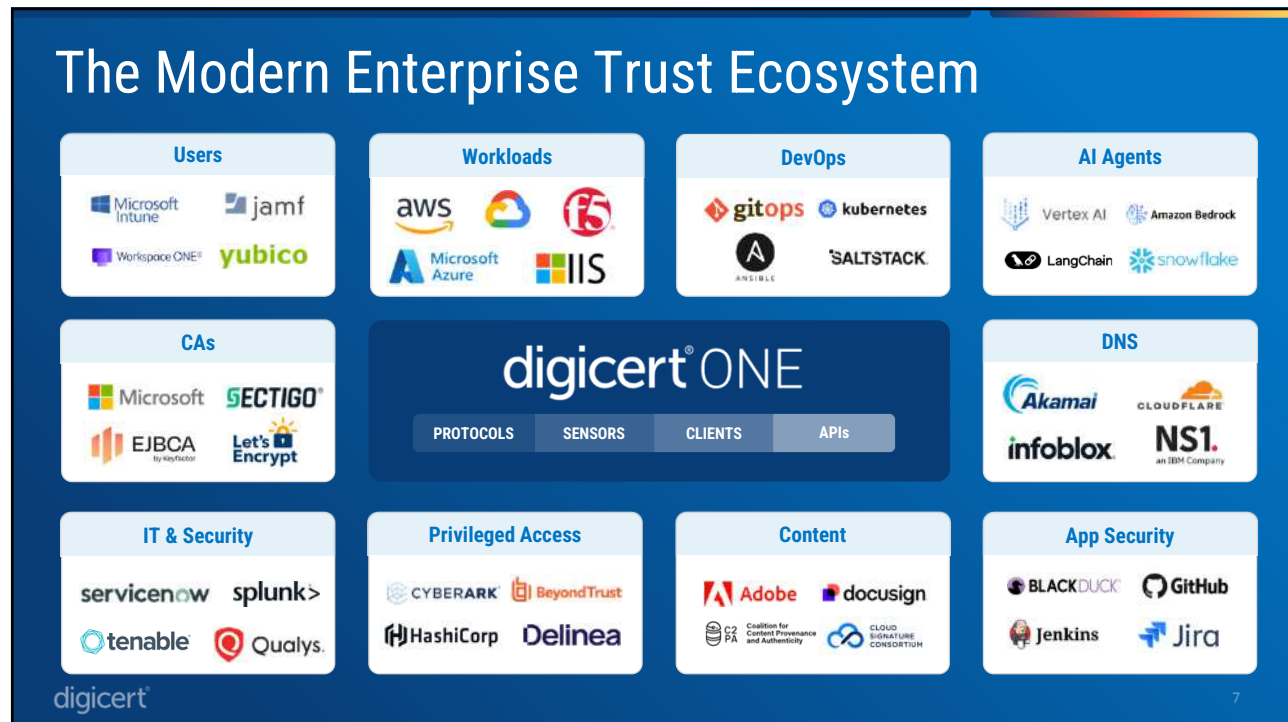
EU Cyber Resilience Act
Med Device, IoT & ICT Compliant Products by **2027**

DORA Digital Operational Resilience Act
Risk & vulnerability management tools by **January 2025**

All Regulations require robust PKI, a complete cryptographic Inventory and audit-ready logging mechanism

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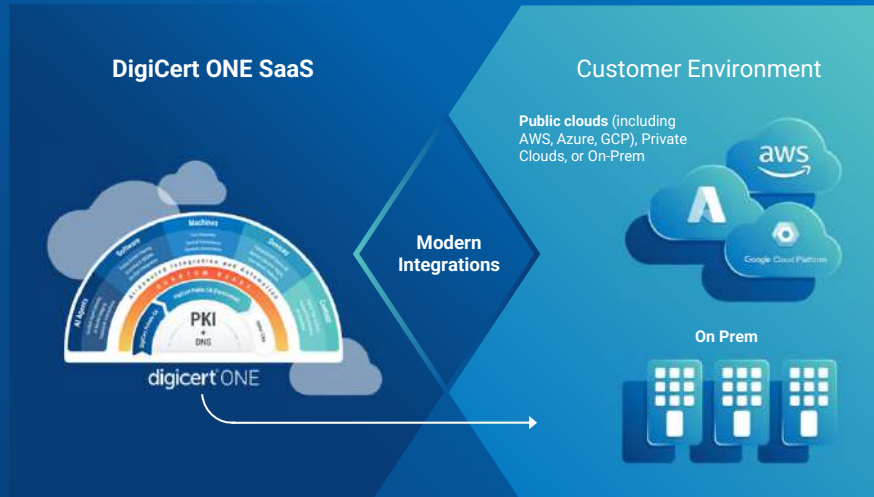
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Cloud Native with Modern Integrations

Operational Value

- No HSMS, infrastructure, or software to manage
- Fully audited and compliant
- Built-in data sovereignty
- Globally available in 30+ data centers, including US, JP, AUS, NL, CH, IN

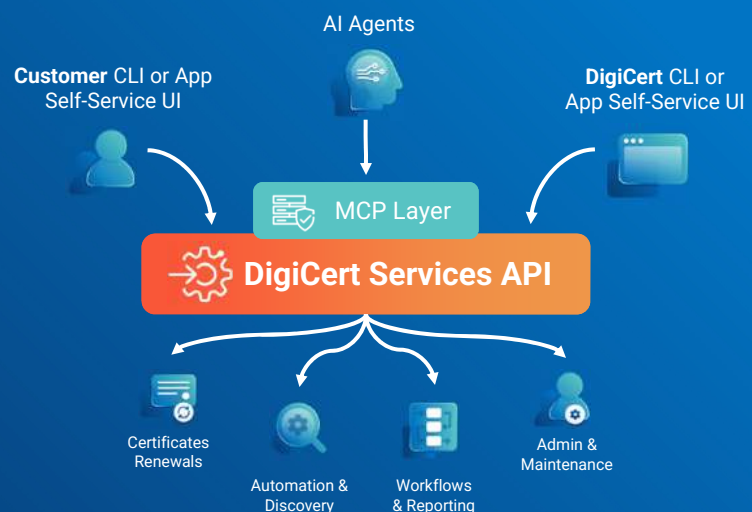


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API-First Architecture

- 1 Modern RESTful APIs
- 2 Automate Any Certificate Workflow
- 3 Simple Self-Service Certificate Management
- 4 Seamless Integration With Existing Tools



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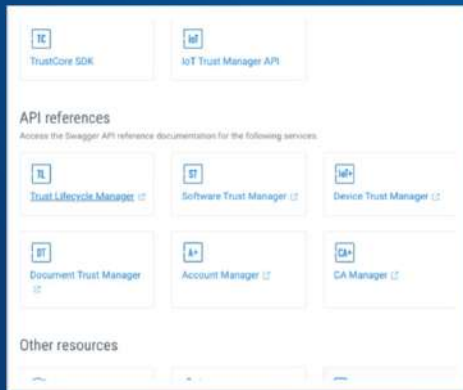
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API-Based Self Service

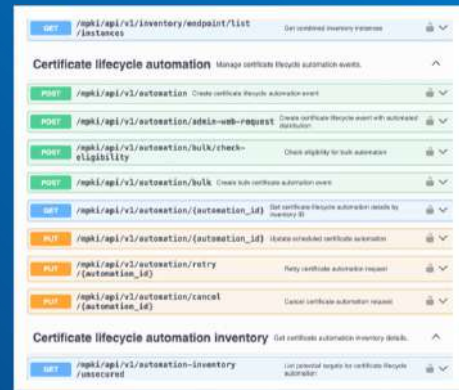
Choose from over 1,000 APIs.

Power UIs and automation with easy-to-use documentation.



"DigiCert's API was the **best** in our appraisal for our purpose, with ease of use while providing standard protocols and thorough integration."

- CIO, Energy & Equipment Solutions



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Automated Certificate Operations

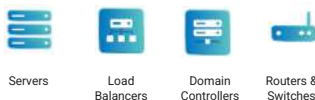
Centralized Inventory

Alerting & Reporting

Policies & Governance

Dynamic Automation

Servers & Infrastructure



- Agent and agentless management
- Multi-forest support for Active Dir
- Integration with network devices

Users & Devices



- Comprehensive UEM integrations
- Zero-trust / VPN / WiFi access
- Secure email & smart cards

Cloud Workloads



- Hybrid & multi-cloud support
- Secure container communications
- Vault & IaC integrations

Integration and Automation

DigiCert Public CA (CertCentral)

DigiCert Private CA

Other CAs

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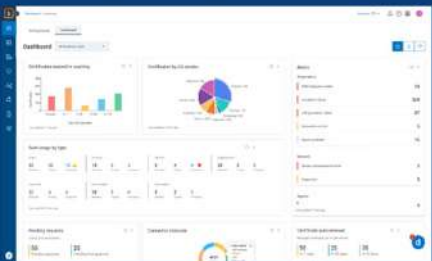
12

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Easy to Operate

"Trust Lifecycle Manager is truly a Swiss Army Knife for PKI"
- Enterprise Insurance Customer



The screenshot shows an 'Automation request' interface. It includes a 'Request ID' field, a 'Status' dropdown, and a 'Details' section. The 'Details' section shows a list of automation requests with columns for 'Request ID', 'Status', 'Created', and 'Updated'. The interface also includes a 'Filter' section with a search bar and a 'Sort' dropdown.

1

Simple Configuration

SaaS-delivered and connector-based setup gets PKI automation running in hours, not months.

2

Zero-Touch Automation

Policy-driven issuance, renewal, and deployment eliminate manual steps and repetitive workflows.

3

Consolidated View

One console delivers complete visibility across cloud, on-prem, and edge environments—no hunting across tools.

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Enterprise-Wide Trust Distribution

Ensure your root, ICA, and End Entity trust anchors are always in the right place at the right time for all your apps, tools, and devices.



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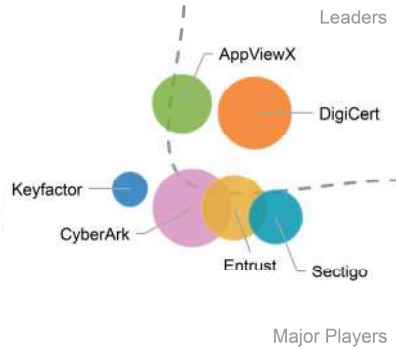
14

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Market Leading CLM Solution with Proven ROI

IDC Marketscape



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Forrester Report



Key Results



ROI

312%



PAYBACK TIME

6 months



NPV

\$10.1 million

Download: <https://www.digicert.com/campaigns/total-economic-impact-of-digicert-one-report>

15

Post-Quantum Cryptography is Here

Begin Transitioning to Post-Quantum Cryptography Now

Quantum computing will render traditional cryptography unsafe by 2029. It's worth starting the post-quantum cryptography transition now.

By **Mark Horvath** | September 30, 2024

Gartner

Forbes

Apple Introduces Post-Quantum Security — You Should Think About This Too

The Hacker News

Zoom Adopts NIST-Approved Post-Quantum End-to-End Encryption for Meetings

Standard	Purpose	Quantum-Safe NIST Algorithm
FIPS 203	Encryption	ML-KEM: Module-Lattice-based Key-Encapsulation Mechanism (formerly CRYSTALS-Kyber)
FIPS 204	Authentication	ML-DSA: Module-Lattice-based Digital Signature Algorithm (formerly CRYSTALS-Dilithium)
FIPS 205	Authentication	SLH-DSA: Stateless Hash-based Digital Signature Algorithm (formerly SPHINCS+)

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Die Lösung? Crypto Agility!

Implement crypto agility

- 1 Discover everything
vollständiges Inventar aller Zertifikate
- 2 Enhance Security & Compliance
Einheitliche, zentrale Policies & Logging
- 3 Prevent Outages : Alerting & Reporting
Flexible Benachrichtigungen und Reports
- 4 Automation
Automatische Zertifikats-Erneuerung



17

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TLM Demo

- Automation:
 - NGINX Webserver on Ubuntu with DigiCert Agent
 - NGINX Docker Container with DigiCert Admin Web Request

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