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by asseco

Certiligent

Automated TLS/SSL Certificate Renewal

Security without manual work

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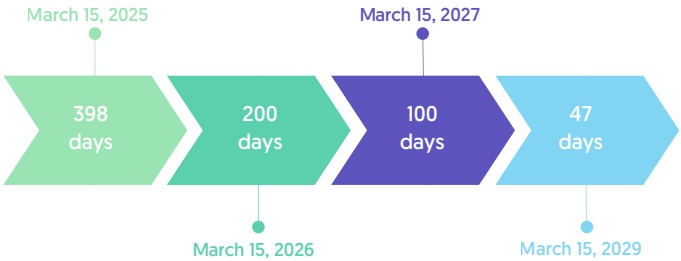
Why certificate automation is no longer optional?

Digital certificates are a core part of how all systems should establish trust. However, the way they are issued and maintained has fundamentally changed.

The **CA/Browser Forum (CA/B Forum)**, supported by all major browser vendors (Apple Google, Microsoft, Mozilla), has defined a **mandatory, accelerated reduction of public TLS certificate lifetimes**. What was once an annual operational task is becoming a **monthly, continuous process**.



This increases renewal frequency by **8-12x** compared to traditional yearly cycles. Manual processes, scripts, and fragmented tools do not scale under these conditions and significantly increase the risk of outages, security gaps, and audit findings.

Automation is no longer an optimization. It is a prerequisite for compliance, availability, and security.

Certiligent is designed specifically to address this new reality.

The Concept

Certiligent is a platform for **centralized, automated management of TLS digital certificates** across heterogeneous IT environments. It enables organizations to issue, renew, revoke, and monitor certificates through their entire lifecycle, while aligning operations with the accelerating requirements dictated by the CA/B Forum and modern security practices.

Certiligent is designed for **financial institutions, regulated enterprises, and large organizations** that require strict security controls, auditability, scalability, and flexibility in deployment.

More on: https://cybersecurity.asee.io/certiligent/

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Key Benefits

Outage Prevention
Automated renewal eliminates the risk of service disruptions caused by expired certificates.

Operational Efficiency
Reduces manual work, ad-hoc scripting, and human error across certificate operations.

Scalability
Supports short-lived certificate policies and high-frequency renewals without increasing operational overhead.

Centralized Visibility
Provides a single, authoritative view of certificates across servers.

CA Independence
Integrates with multiple public and private Certification Authorities (DigiCert, Sectigo, Keyfactor, GoDaddy, Let's Encrypt, ZeroSSL and more) and works with standard ACME clients such as Certbot, acme.sh, Kubernetes cert-manager, OpenShift Certman.

Enterprise security & auditability
Built to meet the security, control, and traceability requirements of regulated environments.

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Key Features

Flexible integration with CAs
Supports both ACME protocol and REST API integration, allowing seamless integration with major CAs based on your environments and compliance needs.

Intuitive Management Dashboard
Provides real-time visibility into certificate status, issuance history, and renewal workflows, all from a user-friendly inteface

Automated Alerts and Notifications
Proactively informs administrators about failed renewals and upcoming expirations to prevent outages.

Scalable and Secure Design
Designed to manage thousands of certificates with high security and reliability for enterprise needs.

Multi-Tenant Architecture
Designed for all types of organizations, enabling secure segregation of tenants for their clients.

Use Cases by Industry

Banking & Financial Services
Automate certificate renewals for online banking portals, APIs, mobile apps, open banking / PSD2 interfaces, payment gateways (POS backend, card payment systems), and critical internal systems such as core banking platforms and VPNs to ensure regulatory compliance and prevent service outages.

Regulated organizations
Manage certificates across highly controlled and audit-sensitive environments, including internal applications, external services, and secure network components, with full traceability, policy enforcement, and centralized governance.

Large Enterprises
Manage thousands of certificates across web applications, email servers, VPNs, microservices with centralized visibility, automation, and operational control.