

Fortinet FortiNAC and DigiCert Trust Lifecycle Manager Security Solution

Secure, Automated SSL/TLS Certificate Lifecycle Management
for Network Access Control Infrastructure

Executive Summary

DigiCert and Fortinet deliver an integrated solution that secures and automates SSL/TLS certificate lifecycle management for network access control infrastructure.

By combining DigiCert Trust Lifecycle Manager (TLM) with Fortinet FortiNAC, organizations can eliminate manual certificate processes, reduce outages, and ensure continuous security and compliance across network access control infrastructure.

The Challenge

Fortinet FortiNAC plays a critical role in enforcing network access control, authenticating users and devices, and securing enterprise environments. These functions rely heavily on SSL/TLS certificates for services such as RADIUS, RADSEC, portals, and internal communications.

However, managing certificates across a customer's deployment is often manual and fragmented, leading to:

- ✗ Limited visibility into certificate inventory
- ✗ Expired certificates disrupting authentication and access control
- ✗ Errors during certificate deployment and replacement
- ✗ Increased exposure to security vulnerabilities
- ✗ Compliance and audit challenges

As organizations scale zero trust and network access control strategies, certificate management becomes increasingly complex and difficult to maintain without automation.

Solution Components



- DigiCert Trust Lifecycle Manager (TLM)
- DigiCert TLM Agent
- Fortinet FortiNAC (9.x)

Solution Benefits



- ✓ Eliminate authentication disruptions caused by expired certificates
- ✓ Automate certificate deployment across FortiNAC services
- ✓ Improve security posture with centralized visibility and control
- ✓ Reduce operational overhead with zero-touch lifecycle management
- ✓ Support compliance with audit-ready logging and policy enforcement

Joint Solution

DigiCert and Fortinet provide a unified approach to secure certificate lifecycle management for network access control environments. DigiCert Trust Lifecycle Manager integrates with Fortinet FortiNAC to automate certificate issuance, deployment, and renewal across critical NAC services.

Using the DigiCert TLM Agent and FortiNAC REST APIs, certificates are securely provisioned and deployed to services such as RADIUS, RADSEC, portal interfaces, and internal components. This integration eliminates manual processes and ensures certificates are always valid, trusted, and compliant.

By combining DigiCert's enterprise-grade automation with Fortinet's network access control platform, organizations can maintain continuous authentication services while reducing risk and operational complexity.



DigiCert Trust Lifecycle Manager (TLM)

A centralized platform for managing and automating the lifecycle of SSL/TLS certificates and machine identities, including discovery, issuance, renewal, and governance.



DigiCert TLM Agent

A lightweight automation agent deployed on Linux systems that executes certificate lifecycle workflows and integrates with FortiNAC APIs.

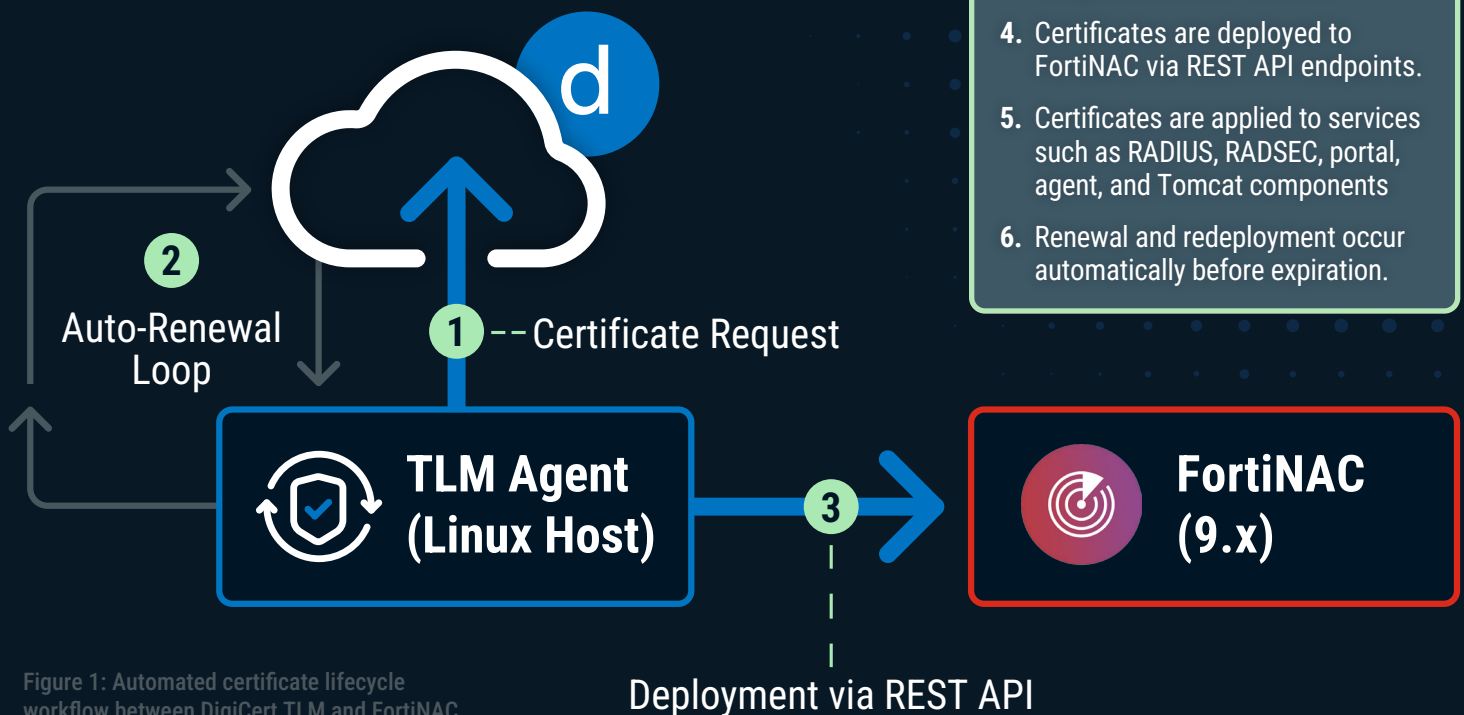


Fortinet FortiNAC

An industry-leading network access control solution that provides visibility, control, and automated response for devices connecting to the network, secured through certificate-based authentication.

Solution Integration

The DigiCert TLM and FortiNAC integration enables fully automated certificate lifecycle management. All communication is secured over HTTPS (port 8443), and sensitive data such as private keys and API tokens are protected through secure handling and logging practices.



Joint Use Cases

Use Case #1

Automated certificate management for network authentication services

Ensure uninterrupted RADIUS and RADSEC authentication by automatically renewing and deploying certificates across FortiNAC, eliminating authentication failures caused by expired credentials.

Use Case #2

Secure portal and device onboarding

Maintain secure and trusted access portals by automating certificate lifecycle management for FortiNAC web interfaces and onboarding services, ensuring continuous user and device authentication.

About DigiCert

DigiCert is a leading global provider of digital trust, enabling individuals and organizations to establish secure connections and communications.

DigiCert ONE, the platform for digital trust, provides centralized visibility and control over public and private trust needs, including TLS/SSL certificates, PKI, and device identity management.

About Fortinet

[Fortinet](#) (NASDAQ: FTNT) is a driving force in the evolution of cybersecurity and the convergence of networking and security.

Our mission is to secure people, devices, and data everywhere, and today we deliver cybersecurity everywhere you need it with the largest integrated portfolio of over 50 enterprise-grade products. Well over half a million customers trust Fortinet's solutions, which are among the most deployed, most patented, and most validated in the industry.

The [Fortinet Training Institute](#), one of the largest and broadest training programs in the industry, is dedicated to making cybersecurity training and new career opportunities available to everyone. Collaboration with [esteemed organizations](#) from both the public and private sectors, including CERTs, government entities, and academia, is a fundamental aspect of Fortinet's commitment to enhance cyber resilience globally.

[FortiGuard Labs](#), Fortinet's elite threat intelligence and research organization, develops and utilizes leading-edge machine learning and AI technologies to provide customers with timely and consistently top-rated protection and actionable threat intelligence.

Learn more at <https://www.fortinet.com>, the [Fortinet Blog](#), and [FortiGuard Labs](#).