

Key Features

Automated Certificate Management

- ▶ Automatic certificate renewal before expiration
- ▶ Runs entirely in the Guardian environment
- ▶ Integrates with ACME-RFC8555 compatible Certificate Lifecycle Management (CLM) systems
- ▶ Eliminates manual certificate renewal tasks

Secure Certificate Operations

- ▶ Version-controlled certificate management
- ▶ Certificate deployment verification
- ▶ Automatic retry and rollback capabilities

Operational Visibility

- ▶ Persistent event logging
- ▶ Work request tracking
- ▶ Diagnostic and status reporting
- ▶ Complete certificate lifecycle history

As TLS certificate lifecycles shrink from **398 days to 200 days in 2026, 100 days in 2027, and 47 days by 2029**, manual certificate management is becoming increasingly difficult for mission-critical HPE Nonstop environments. More frequent renewals increase administrative effort and the risk of human error, missed renewals, and service disruptions.

NuWave ActivCERT™ bridges this gap by extending enterprise certificate automation into HPE Nonstop. NuWave ActivCERT™ integrates with ACME-capable CLM platforms to automate the Nonstop side of the certificate lifecycle, while the CLM continues to handle certificate issuance.

NuWave ActivCERT™ automates renewal, deployment, verification, and recovery, helping customers reduce operational effort, minimize certificate-related risk, and maintain secure, reliable Nonstop applications as certificate lifecycles continue to shrink.

Renew → Deploy → Verify → Recover

Certificate Automation Across Guardian and OSS

NuWave ActivCERT™ delivers streamlined certificate lifecycle automation for HPE Nonstop environments, supporting both Guardian and OSS through shared file access.

- Purpose-built for Nonstop with secure certificate state stored in Guardian Enscribe files
- Works seamlessly across Guardian and OSS environments via file-based integration
- Configure credentials, policies, and CLM connection settings
- Create and manage certificate lineages with defined deployment targets
- Import or request certificates and automate renewals before expiration
- Deploy renewed certificates and verify successful installation
- Maintain version history with the ability to roll back when needed

Benefits

- Reduce certificate-related outages
- Eliminate manual renewal processes
- Improve operational security
- Simplify certificate administration

NuWave ActivCERT™

Automated Certificate Lifecycle Management for HPE Nonstop Systems

Strategic Advantages

- **Improve security posture:** Automatically keeps certificates current, reducing the security risks associated with expired or unmanaged certificates.
- **Increase operational reliability:** Built-in verification, retry logic, and rollback capabilities help ensure certificates are successfully deployed while maintaining continuous service availability.
- **Support modernization initiatives:** Enables HPE Nonstop systems to participate in modern certificate lifecycle automation using industry-standard ACME protocols.
- **Enhance visibility and compliance:** Persistent event logging, version history, and operational reporting provide administrators with complete visibility into certificate lifecycle activities.
- **Simplify enterprise certificate management:** Standardized policies, centralized configuration, and automated workflows make managing certificates across multiple systems easier and more consistent

Potential Uses

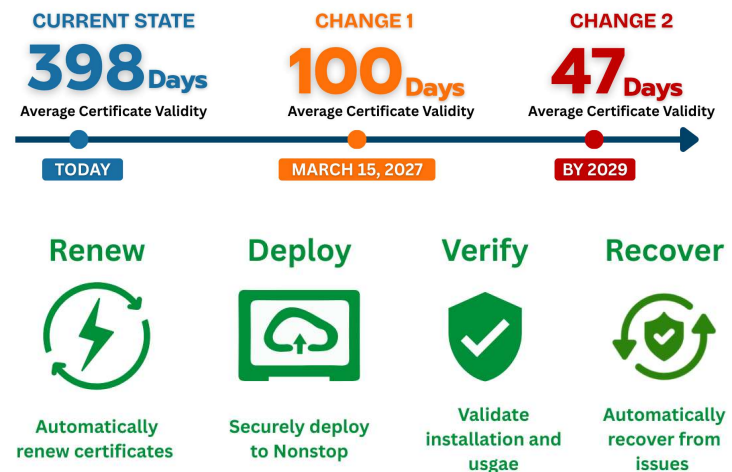
- Automate certificate renewal across HPE Nonstop Guardian environments
- Eliminate manual certificate management for mission-critical applications
- Secure TLS certificates used by LightWave and other Guardian-based services
- Centralize certificate lifecycle management using an ACME-capable Certificate Lifecycle Management (CLM) solution
- Simplify compliance by maintaining certificate history, deployment records, and event logs
- Reduce the risk of outages caused by expired or improperly deployed certificates

301 Edgewater Place, Suite 100
Wakefield, MA 01880
+1 (781) 968-8778
Info@NuWaveTech.com
www.NuWaveTech.com

Financial Advantages

- **Reduce operational costs:** Automating certificate renewal eliminates repetitive manual administration and reduces the time IT staff spend managing certificates.
- **Minimize downtime:** Automatic renewal and deployment help prevent service disruptions caused by expired certificates, reducing costly outages.
- **Lower maintenance effort:** Centralized certificate management simplifies administration across multiple systems and applications, reducing ongoing support requirements.
- **Protect existing investments:** NuWave ActivCERT™ integrates with HPE Nonstop Guardian environments and ACME-capable CLM solutions, extending the value of existing infrastructure without requiring major application changes.

Certificate Validity Timeline



The Value For Your Business

