



LightWave Server™

Expose HPE NonStop applications as REST Web services

Key Features

NonStop Fundamentals

- ▶ Runs in Guardian
- ▶ Available on TNS/E and TNS/X systems
- ▶ Fault-tolerant
- ▶ Transaction Management support

Performance Monitoring

- ▶ Process event logging
- ▶ Diagnostic logging
- ▶ Auditing & statistics
- ▶ HTTP server logging

Rapid Development

- ▶ Standards-based (HTTP, SSL/TLS, JSON)
- ▶ Browser-based interface for service definition and management
- ▶ Interfaces directly with DDL dictionaries

HPE Nonstop platforms host businesses' "crown jewel" applications, ranging from OLTP systems to "book of record" databases. However, these applications typically have minimal exposure to internal systems and third-party applications.

An easy way to provide a manageable and secure interaction with these applications is through a REST-based interface.

LightWave Server™ allows users to expose their HPE NonStop-hosted applications as industry-standard REST services. These services can then be accessed from REST-enabled clients running on virtually any computing platform. LightWave Server™ does this painlessly, while maintaining the security, reliability and scalability of the HPE NonStop server and applications. This allows customers to integrate the NonStop into their corporate SOA strategy with minimal investment of capital and time.

Core Benefits

LightWave Server™ provides the bridge between REST client applications which may be running on any platform, and NonStop server applications.

Modernize programmatic access to existing enterprise applications

- Expose existing, production-proven applications as modern RESTful Web services.

Respond faster to changing business demands - Securely transact business with partners and customers using disparate platforms or the cloud.

Integrate with internal and external third-party applications - Securely connect your NonStop systems to applications running on any Web services compliant platform.

Leverage the data and functionality of existing NonStop applications - Increase revenue through introduction of new business services.

NonStop Fundamentals

Guardian-based - No need to run OSS, or to have any additional software installed. Much simpler installation and management for NonStop environments.

Fault tolerant - Eliminates the risk of downtime with hardware that is dual redundant everything, and system and application software that is robust and self healing. The goal of every NonStop developer is "no single point of failure".

LightWave
Server™



LightWave Server™

Expose HPE NonStop applications as REST Web services

Web Service Access to HPE NonStop Just Got Easier

LightWave Server™ is a Guardian process that accepts JSON messages via HTTP/S over TCP/IP. LightWave Server™ converts each JSON request message into an HPE NonStop interprocess message (IPM) format before forwarding to the backend application. When the NonStop application replies, LightWave Server™ converts the IPM into a JSON response, which it returns to the calling application. There is no need to change your existing servers, so any existing client applications are unaffected.

Potential Uses

Allow access to HPE NonStop applications from a mobile application or IoT device like an Amazon Echo.

Integrate with payment engines like BASE24, Connex, or homegrown solutions.

Connect your NonStop applications to software-as-a-service (SaaS) solutions like Salesforce, ServiceNow, or any XaaS offering.

Financial Advantages

Increase the value of your NonStop applications and data

Position your IT organization to adopt new technology with minimal effort

Increase revenue through introduction of new business services

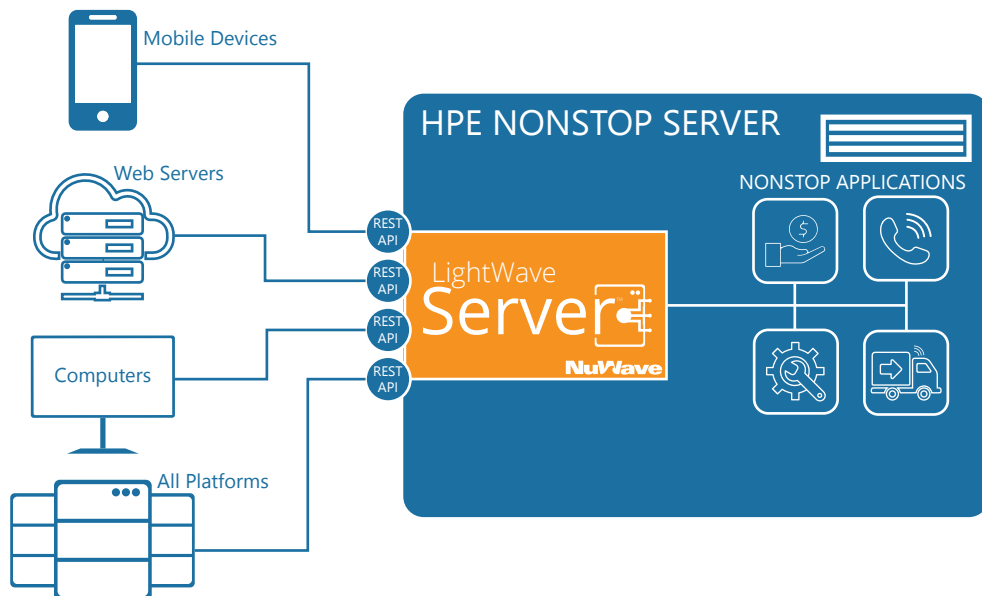
Strategic Advantages

Securely transact business with partners and customers using disparate platforms or the cloud

Adapt to business partners using Web services connectivity, without costly software development

Expand business offerings to increase market share

Facilitate incremental migration to modern, standards-based technology



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