eBITUG 2023

APIs are Now the Building Blocks of the Enterprise

LightWave Server | LightWave Client | Prizm Gateway

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Sales

Hewlett Packard Enterprise

NuWave

About NuWave

- In business since 1999

- The leader in HPE NonStop REST Web service integration

- Pride ourselves on customer support

- We donate a portion of our proceeds to charity

Today's Enterprise Challenges

- Companies need to futurize their technologies to interact in today's business environment

- APIs are key to market capitalization and company growth

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What is an API?

The application programmatic interface API

- Defines available interactions between pieces of separate and distinct software to request and present services.
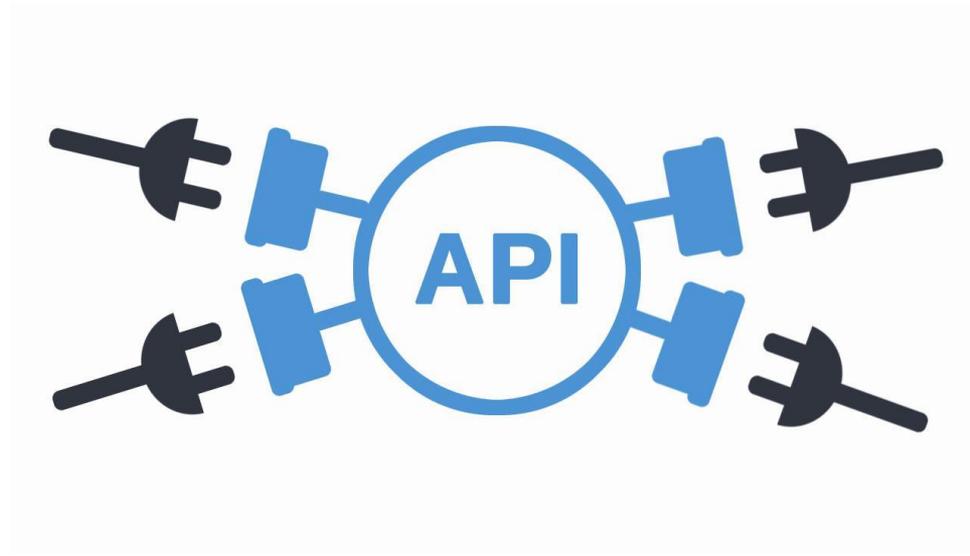
API's as the Building Blocks of your business

- Allow Access to a business's most valuable data and functionality

- Allow assets/functionality to be shared with partners and grow your business

- Allows companies to co-innovate with partners

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# The different Blocks that make up your Enterprise

- API's allow companies to make changes to the technology they offer to their customers faster

- Businesses can employ a range of API access strategies to achieve the desired interface

  - **Open** API's are available to any business or user

  - **Partner** APIs are intended for use by external business and allow access and expansion of business technology

  - **Internal** APIs are private interfaces that communicate and collaborate between an organization's internal system

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API's as the Building Blocks of your business. Compliance and Management

- The access strategy of the API must adhere to the company's business security rules
- API's must adhere to the companies corporate standards and industry standards
  - IT Security
  - PCI / HIPPA / other compliances
- APIs can help companies adapt faster to new requirements under regulatory industry standards
- Following API REST best practices assures compliance by industry

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Services as API's are endless!

- Tax Calculations Data
- Salesforce
- Google
- Alexa AWS
- Shipping / EDI / X12
- Currency Exchange
- Electronic Medical Records
- Inventory
- POS transactions
- Procurement

- **Your "Service" here.**

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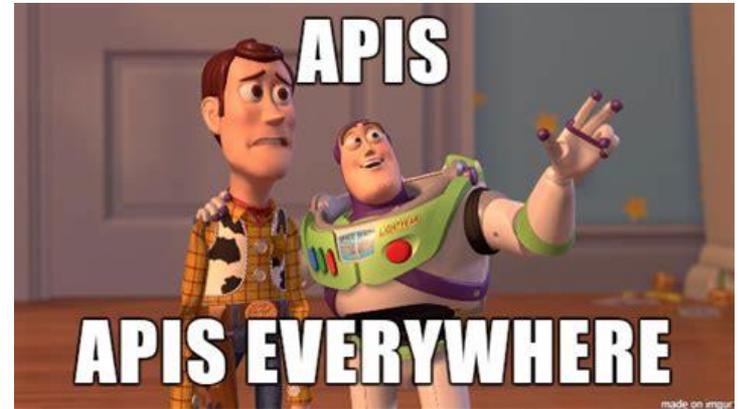
API's are Flexible

- **Product and service innovation**
  - APIs are typically granular and easier to update, modify and maintain than fully developed applications.

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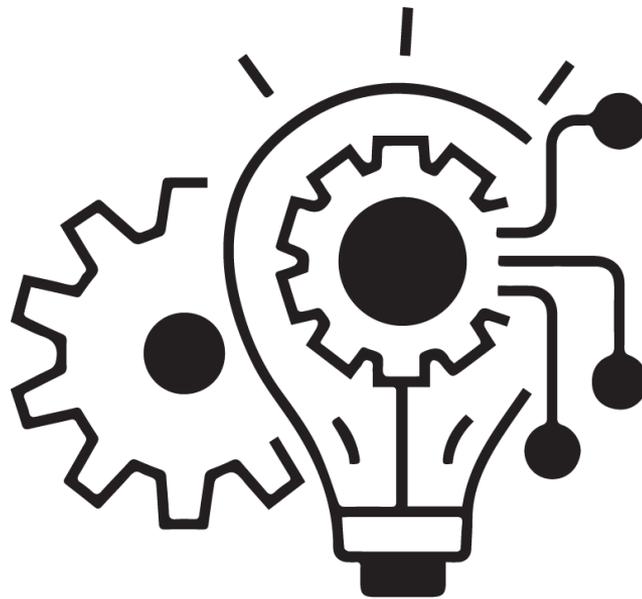
API and Controlling Security

- APIs give companies the ability to allow access to the data they want to at a fast pace while ensuring the necessary level of security

- APIs can give you control of each process individually so if there is an issue you can control one API at a time

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Questions to think of when Thinking API

- Does the API provide the features and functionality that applications and users need?

- Would the API allow you to provide your customers with more functionality?

- Does the API provide enough authorization and authentication to guard business data and workloads from unauthorized access or alteration?

- How is the API being used? How many API calls is the business handling month over month?

- Does the API help generate more revenue for the business?

NonStop Specific Questions

- Do your NonStop applications need to be a part of the API strategy?

  YES!

- Would connecting your NonStop to the rest of your organization and partners benefit your enterprise?

- Do you have the tools in place to develop APIs on the NonStop?

Tools to achieve HPE NonStop API Integration

LightWave Server™

Allows you to securely expose your HPE Nonstop hosted applications as industry-standard REST services

LightWave Client™

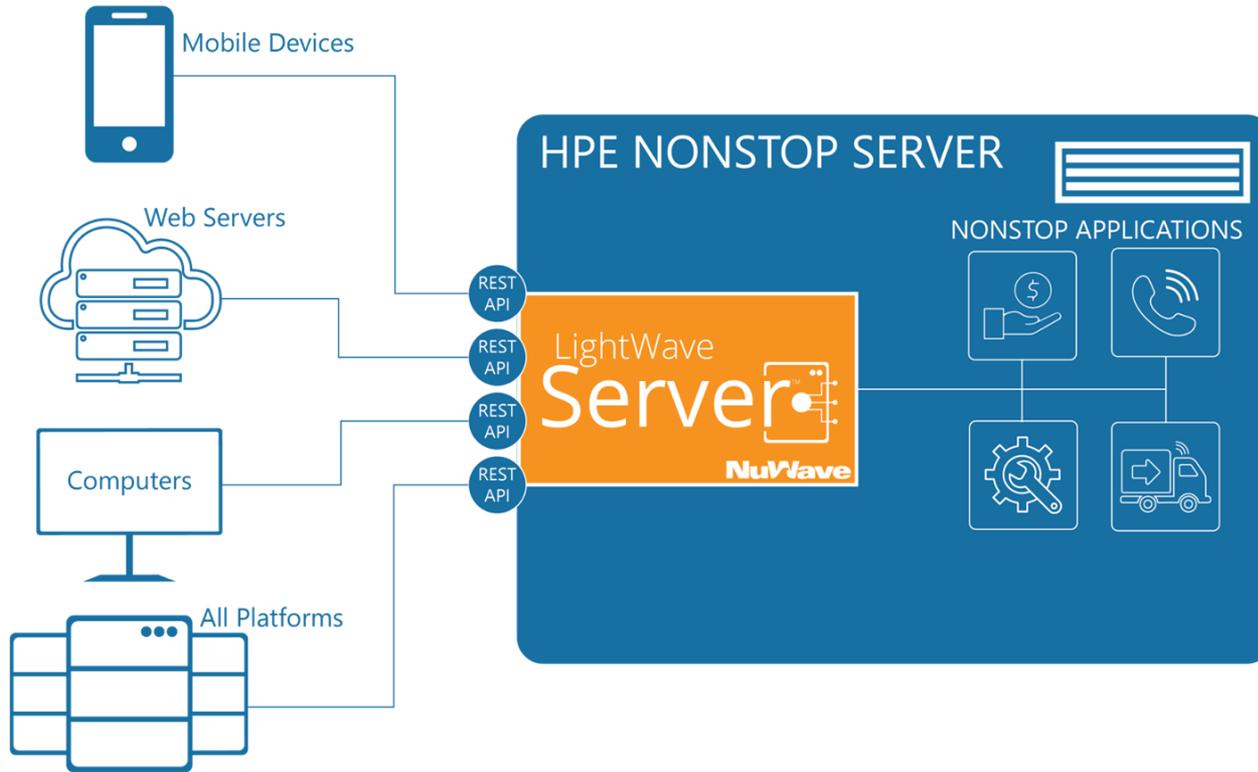Allows you to securely access REST services from your HPE Nonstop

Prizm™ Gateway

Allows you to enable, maintain, monitor, and secure all API connections throughout the entire enterprise.
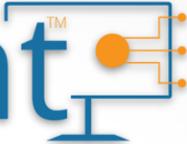
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Securely expose your HPE Nonstop hosted applications as industry-standard REST services

Lightwave Server™

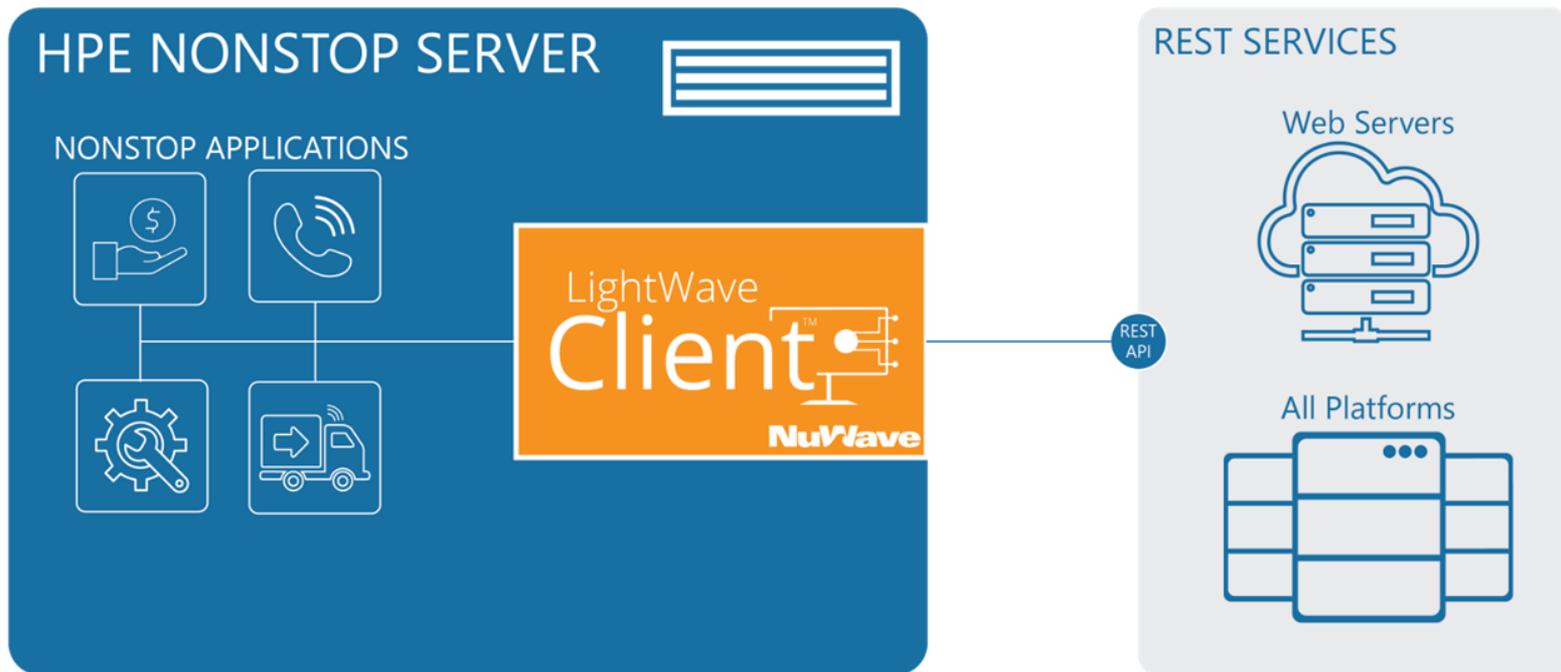Securely access REST services from your HPE Nonstop

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LightWave Client™

LightWave Latest News

- LightWave User Base is growing

- As usage grows, also new Feature Request from customers

- SOAPam Compatibility mode with in LightWave

- 2 Large EU banks modernizing HPE NonStop applications.

  - Pathway based applications are given accessibility by enabling REST access natively.

  - Existing code Re-Use is an accelerator to deployment.

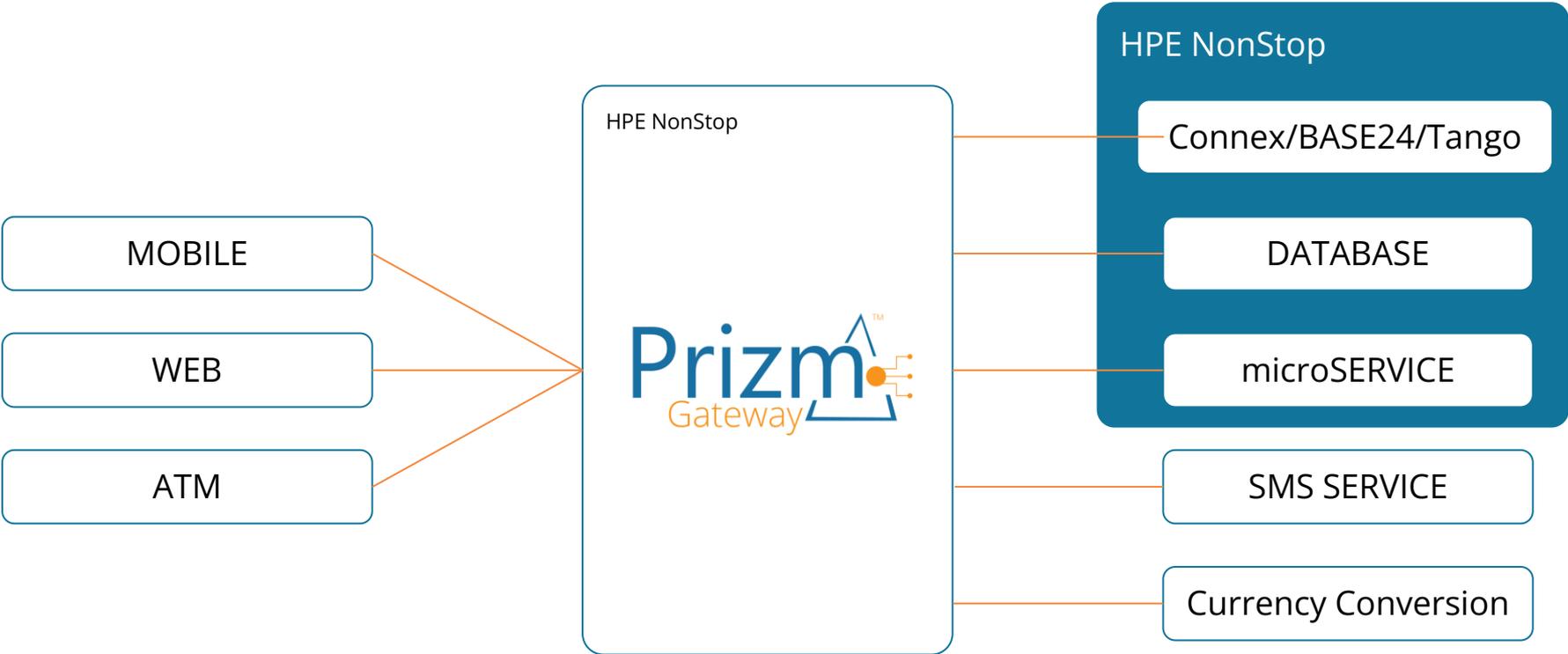- Large EU Switch modernizing NonStop applications with LW

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NuWave

The NonStop-based gateway for all APIs!

Single Point of Entry | Web-Based User Interface | Simple Configuration

Prizm API Gateway

Prizm Gateway^{TM} Features

- **Guardian-based**

- **Fault tolerant & scalable**

- **Web-based graphical user interface**

- **Management CLI**

- **Logging & diagnostics**

- **Authentication options**

- **Rate limiting**

- **Connection count limiting**

- **Request size limiting**

- **IP address restriction**

- **Load Balancing**

- **Canary deployment**

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Prizm Gateway™ Latest news

- Plugin architecture being worked on:

  - DOS alerts

  - Better handling of Load Balancing and JWT plugins.

- Production Usage.

  - A US based Construction Equipment company is utilizing its NonStop setup to provide for

    API management for the enterprise.

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