

Unlocking New Capabilities: Authentication Exits and Kafka Integration with HPE NonStop LightWave

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About NuWave

- In Business since 1999
- The leader in NonStop middleware and Web services integration
- Our products have enabled organizations to securely expand their NonStop connectivity to more businesses with continuous availability of services for over 25 years.
- We continue to deliver innovative, easy-to-use NonStop solutions to safely exchange information and services using current communication technologies.



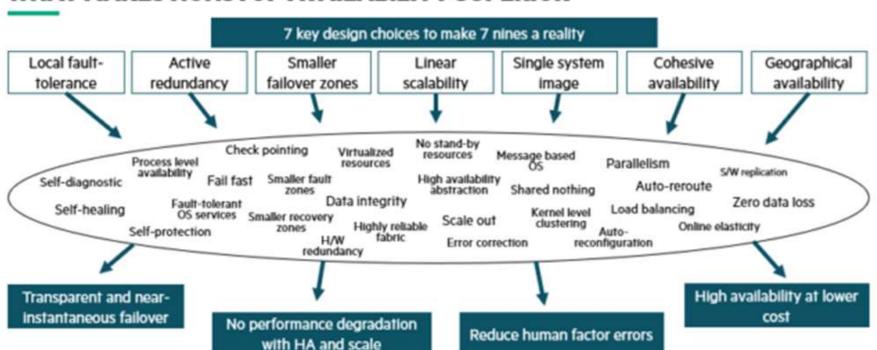
Background...

- A bit about Me.
 - Worked at several interesting places...
 - Telecoms E911
 - Fleet Fueling
 - Banking POS ATM
 - EDI
 - Stock Exchanges

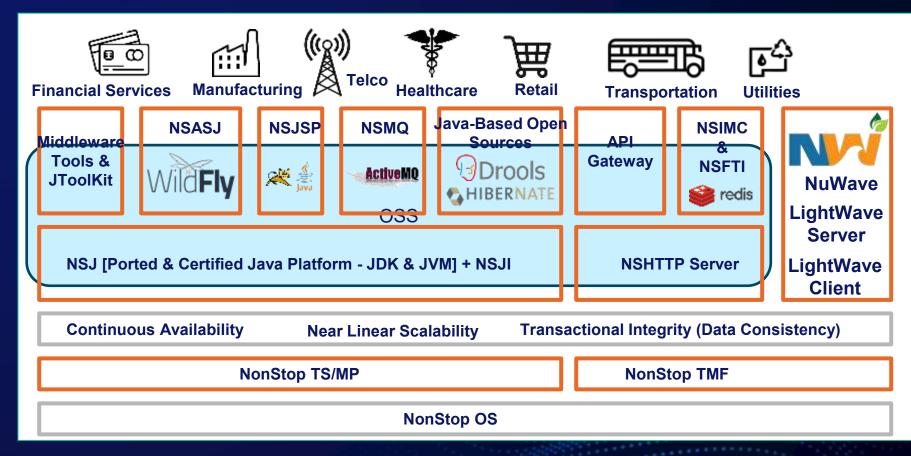


Integration of...

WHAT MAKES NONSTOP AVAILABILITY SUPERIOR



Where is LightWave in the NonStop?



LightWave: Mitigating Risk in a Volatile Landscape

- Unlocking Value and Reducing Costs
 - Cost Optimization: Leverage existing NonStop infrastructure instead of costly new systems. Integrate with cloud-based applications to reduce capital expenditure and operational costs.
 - Improved Efficiency: Streamline workflows by connecting disparate systems. Automate processes and gain real-time insights into your operations, optimizing resource allocation even during uncertain times.
 - Enhanced Reliability: LightWave's proven stability and integration with the reliable NonStop platform ensure continuous operation and minimize downtime risks â€" critical in a volatile economic environment.
- Secure your future. Invest in LightWave and build a resilient foundation for your organization's success, regardless of market conditions.





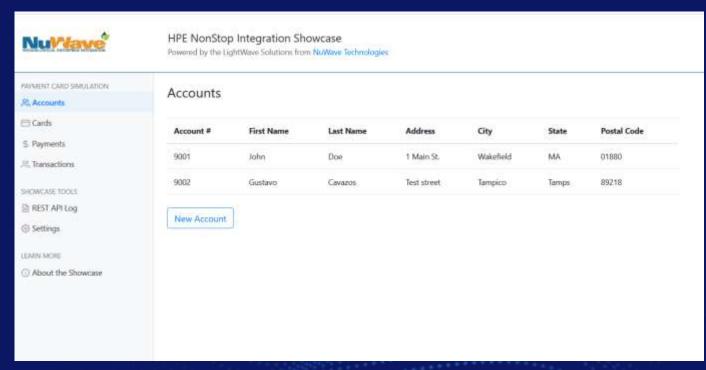
Easy access to ANY application running on HPE NonStop platform.

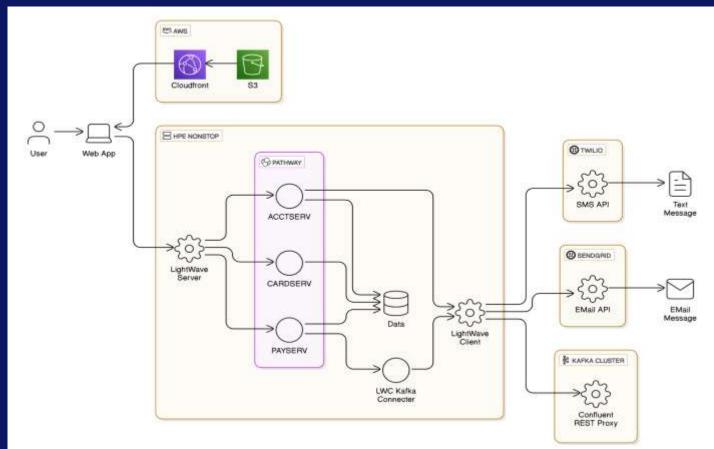
Integration Showcase Application.

Payment mock-up

REST end-points

- SMS
- Email
- Kafka log





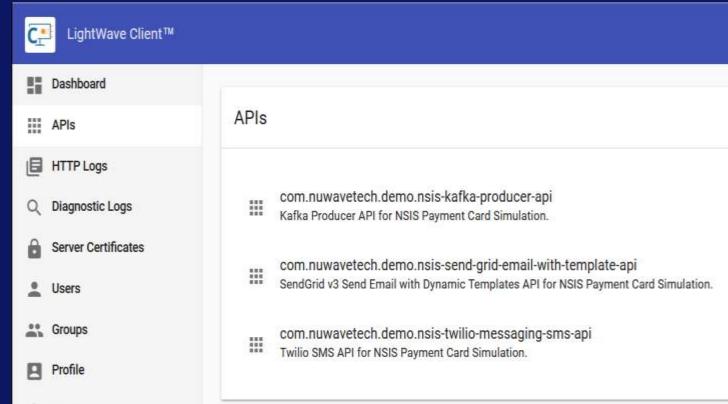


• Go to ACME.



Sign Out

Demo Web App utilizes 3 APIs...



• Go to LWS.



A bit about Cryptography

- If one thing is to remember from presentation..
 - Who you are...
 - Eg:Finger Print- Face Scan- Voice print
 - What you have...
 - Eg: Token, Cell Phone, KeyFOB OTP number changing keyfob
 - What you know...
 - Eg: Passphrase, PIN>4, Password



- Auth Exit LWS--- Access Control Policy, and rules associated with a Services
- Sample Configuration Elements:

Token Provider:

providerType: serverclass
pathmon: =test^pathmon

ioRetryInterval: 3

ioRetryMax: 3

stringPadding: zeros

Token Options:

tokenSetName: "test-token-set-1"

tokenType: TB/OTP/

HTTP Request

POST /api/kafka/v3/clusters/clusterid/topics/transactions/records

HTTP/1.1

User-Agent: LightWave Client Content-Type: application/json

Accept: */*

Content-Length: 308
Connection: keep-alive

Host: nsis-kafka.demo.nuwavetech.com

Authorization: ******************

Usual payloads: Tokens, MACs, Kerberos, NTLM, PGP, etc

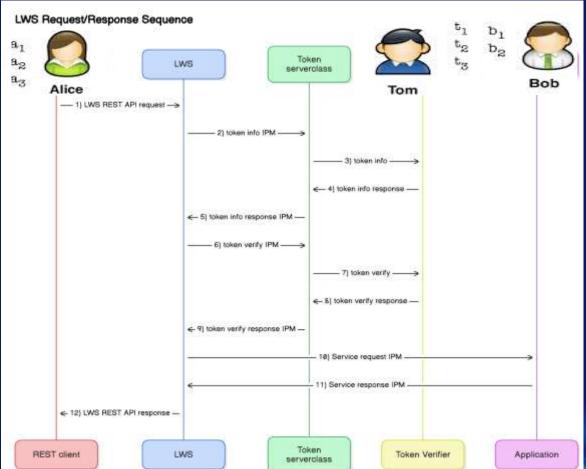
Eg: JSON

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJrZXkiOiJ2YWx1ZSIsIm tleTIiOiJ2YWx1ZTIiLCJpYXQiOjE2MzQxNzgxMTB9.vnXM0oxw05QH1Vs6RsvYp6

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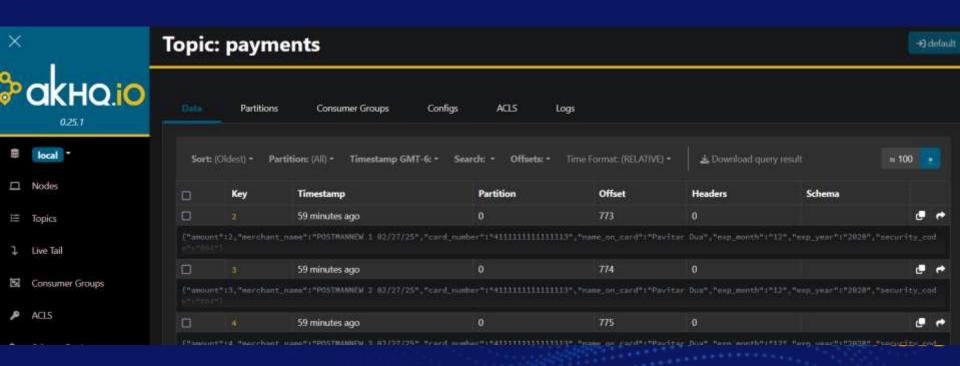


LWS Auth Exit sequence
 Diagram with BOB and
 ALICE





Kafka



ISO20022 coming up...

- Nuwave looking for early adopters for Q4 2025
 - Process XML messages...
 - Re-use existing Intellectual Property



NonStop Integration Services

Many of you may not know, but NuWave also offers consulting services to clients such as:

- -Architecture planning
- -Systems Assessment Model
- -Development Project Management
- -Custom Development
- -Guardian/OSS tuning.



Contact

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www.nuwavetech.com | @nuwave See us on youtube for live product demos

