

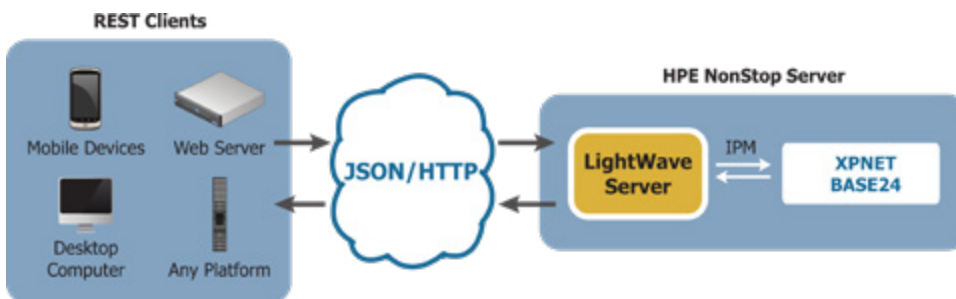
Modernizing BASE24 with Middleware

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BASE24 is one of the most widely deployed payments solutions, and is probably the most commonly used application on HPE NonStop. It has been in use since the founding of Tandem in the mid-1970s, and while it provides a huge range of transaction capabilities and is infinitely customizable, it can be difficult to integrate with modern platforms and applications, which typically use SOAP and REST-based Web services.

BASE24 users have been utilizing middleware solutions, such as those provided by ACI, comForte and NuWave, for many years to modernize BASE24 management screens, to allow BASE24 transactions to be accessed by a variety of modern device types, or to integrate BASE24 with other internal and external services.

BASE24 relies on XPNET, ACI's middleware infrastructure, to provide all external communications, interprocess messaging, fault tolerance and many other key features for its core transaction processing capabilities. For middleware solutions to work with BASE24, those solutions must communicate with XPNET. Middleware users sometimes use TCP/IP "loopback" connections or bridge processes to facilitate this connectivity.



At NuWave, we recently have been working with a NonStop user (a large fintech firm in South America) to confirm another connectivity option between BASE24 and LightWave Server. This customer has been successfully using SOAP-based middleware to provide simple access to their BASE24 ATM transaction set for a number of years. In this environment, they have been using an internally built bridge process to provide connectivity between the SOAP solution and XPNET. They are now creating REST-based access to the same servers using LightWave Server. After discussion with NuWave's technical team, they decided to investigate options to remove the bridge process, and provide direct connectivity between LightWave Server and XPNET. Using the Pathway Server (PWS) and Pathway Requestor (PWR) XPNET protocols, the customer was able to establish direct PATHSEND-type connections between XPNET and LightWave Server.

This configuration removes a "hop" in the transaction path, meaning a simpler and more reliable connection. If you would like more information on how to setup this type of environment, please contact info@nuwavetech.com.

NuWave

NuWave's LightWave product set, with their support for REST, allow BASE24 to participate in REST environments. LightWave Server allows BASE24 transactions, meaning any REST client can quickly and easily access those transactions. LightWave Client allows BASE24 to easily access remote REST-based services, to incorporate those services into the BASE24 transaction set.

Andrew Price has over 28 years of experience in the NonStop space. After working at Insession and ACI in numerous positions, including Director of Solutions Consulting and Sales Support, he moved on to XYPRO, where he was initially Director of Product Management and then VP Technology. Today, he is Director of Sales and Business Operations in Asia Pacific for NuWave; focusing on sales, business development, and first-level support in the region.