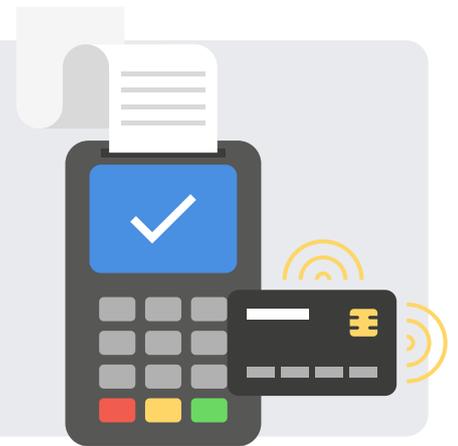


American Payment Network Payments Switch Redesign

The customer is one of the leading EFT networks in North America with more than 1600 financial institutions in the tale. They are last remaining national member-owned financial service providers and debit processors in the industry.



Their network connects to all major international and domestic card networks such as VISA, MasterCard, Pulse, STAR, EBT, MDS. They have also introduced processing in dual message format. They are a single-source provider of the services such as:

- Core
- Risk management
- POS and ATM transaction processing
- Mobile
- Automated Clearing House (ACH)
- Marketing

Customer Requirements

The maintenance of foreign networks connection and their millions of transactions processing on mainframe system is getting prodigious, expensive and burdensome. Additionally, as part of digital transformation, maintaining pace with new technologies, innovation, market pressure demanding switch to a contemporary and ceaseless solution. The legacy system had reached the last level of scalability and was time consuming to enhance their existing platform.

Opus Solution

The client engaged Opus to design and implement their existing 7 foreign network interfaces to the HP Non-Stop system. As part of the engagement, Opus first undertook an in-depth study of their OLTP systems and then started an interface design on HP systems.

- > The new interfaces were designed and then developed for each foreign networks.
- > During the process, a sub field level message mapping was designed, rules were identified to comply with different ISO8583 and proprietary network specifications.
- > A complete automation test case suite was written and build over simulators to perform integration testing.
- > Certified their newly developed interfaces.
- > As part of quality assurance, the live transaction testing and validation was performed in parallel with production to match the quality of interface designed and being migrated.
- > Opus had also offered their domain expertise in whole engagement by leveraging configurable ISO format utilities to diminish the project life cycle time and cost.

Technology Stack

- > Development on HP Non Stop
- > Language used C++
- > Database: Oracle, DB2



Customer Benefits

- > **Reduced Cost:** The transaction processing to the new HP Nonstop systems, enabled the client to completely shut down the legacy system and reduce the high cost of operation and maintenance.
- > **Faster Integration:** The client also advantaged the new technologies and launched series of innovative solutions and services on new platform.
- > **Domain advantage:** Nevertheless, the client also leveraged Opus domain expertise and onsite-offshore development model.