

MODERNIZING PAYMENT SYSTEMS FOR THE FUTURE OF CASHLESS PAYMENTS

“With its ability to update and modernize systems while protecting existing assets, HPE Virtualized NonStop is sure to be a strong candidate in future projects as well.”

– **TAKASHI OKONO**GI, Deputy Director of Card Payment System, Card Core System Division, The Japan Research Institute, Limited

EXPLORE DIGITAL GAME CHANGERS

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SOLUTION:
Cloud that comes to you

INDUSTRY:
Financial services

COUNTRY:
Japan



Sumitomo Mitsui Card, Japan’s pioneering issuer of Visa credit cards, boasts an overwhelming share in the global market, with its card membership reaching 49.86 million users and yearly transaction volume surpassing ¥20 trillion in FY 2020. Driven by increased contactless payments fueled further by the pandemic, the company faces the challenge of responding to the rising transaction volumes while keeping costs down and staying true to its commitment to provide safe, reliable, and convenient payment services to its customers.

OBJECTIVES

- Evolve and modernize the credit card payment system to accommodate massive growth, while allowing it to continue to fulfill its role as a social infrastructure system, reliably supporting end customers
- Assess and adopt latest communication, software-development, and virtualization technologies with an eye to the future of payments architectures
- Integrate flexible, open technologies with traditional systems to get the best of both, while minimizing risks and costs

REQUIREMENTS

- Building a Java-based system on HPE Virtualized NonStop running on x86 servers

- Transitioning from the older SNA protocol to the modern JSON-based messaging and REST API-based communication
- Evolving the system without modifying back-end applications

SOLUTION

- HPE Virtualized NonStop
- HPE NonStop Application Server for Java
- HPE ProLiant DL380 Gen10
- HPE 3PAR StoreServ 8400
- Advisory and Professional Services

KEY PARTNERS

- Japan Research Institute, Limited

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OUTCOMES

- Replaced communication methods, development languages, and other main technologies with open technologies, while continuing uninterrupted operation
- Verified technologies for flexibly responding to changes in payment transactions
- Furthered goal of system modernization while minimizing risks and costs

ADDITIONAL RESOURCES

- [CASE STUDY](#)