

Leading Asia Bank Modernizes Core Banking Applications with Red Hat and Nutanix

Joint end-to-end support from Nutanix and Red Hat provides true agility to meet dynamic demands of the financial industry.

A leading bank in Asia adopted Red Hat OpenShift® on Nutanix to upgrade core banking applications resulting in a turnkey, software-defined infrastructure, and cloud-native platform for running Red Hat OpenShift that is highly scalable, resilient, and performant.

As one of Asia's leading banking groups, they offer retail (personal banking, privilege wealth, premier wealth), private wealth, small to medium enterprise (SME) banking services, and operate a number of banking branches, Premier Wealth Centres, Private Wealth Lounge, and ATMs to serve customers' banking needs.

KEY RESULTS

- **Turnkey platform**
Cloud native platform for running Red Hat OpenShift
- **Highly scalable and flexible**
Easily add nodes to address evolving business demands
- **Simplicity in operations**
Substantially reduced operation burdens

INDUSTRY

Financial services

GEO

APJ

APPLICATIONS

- Red Hat OpenShift Container Platform and Nutanix hybrid cloud infrastructure
- Microsoft Exchange
- Core banking financial applications
- VMware vSphere

PRODUCTS

Nutanix Cloud Infrastructure

- AOS Storage
- AHV Virtualization
- Nutanix Prism Central
- Flow Network Security

Nutanix Cloud Manager

- Self-service

Nutanix Unified Storage

- Files Storage
- Objects Storage

CHALLENGES

The bank has modernized their infrastructure on Nutanix from legacy three tier infrastructure hardware. They run various workloads on Nutanix including span virtual desktop infrastructure (VDI), Microsoft Exchange, and various financial and banking applications, which they classify into different tiers. They had been running a basic VMware vSphere environment alongside Nutanix AOS for several years.

The bank needed to upgrade some of their core banking applications. This is a major business initiative for them as this application has contributed a significant amount of revenue to their business. The timeline for upgrading core banking apps to the next version was tight and needed to be completed by the end of the calendar year 2023.

SOLUTION

Choosing Red Hat OpenShift on Nutanix

As part of the upgrade initiative, the customer did a market study to review potential application replacements. They determined that most of the core banking and wealth management applications, including Avaloq, Finacel, Finanstra and Temenors, have adopted and advocate a microservices, cloud-native architecture as opposed to the legacy monolithic approach. The application vendors in the space have primarily tested and certified their applications through the independent software vendor (ISV) program with Red Hat OpenShift. After the feasibility study, the bank decided to run some of the core banking applications on Nutanix using Red Hat OpenShift. To build Red Hat OpenShift on Nutanix, the company selected Nutanix Cloud Platform with built-in AHV hypervisor, Files Storage and Object Storage, Self-service (formerly known as Calm) and Flow network security.

CUSTOMER OUTCOMES

With the solution, the bank achieved a highly scalable, resilient, and performant turnkey software-defined infrastructure and cloud-native platform for running Red Hat OpenShift. The bank sees Nutanix as a trusted partner with its a joint engineering roadmap and end-to-end support together with Red Hat.

With Nutanix, the bank has witnessed a reduction in infrastructure complexity often seen in non-Nutanix environments running Red Hat OpenShift. The bank now has the ability to operate their Red Hat OpenShift environment while bringing true end-to-end agility and scale from infrastructure to applications, and to address the evolving and dynamic demands of the business.



T. 855.NUTANIX (855.688.2649) | F. 408.916.4039
info@nutanix.com | www.nutanix.com | [@nutanix](https://twitter.com/nutanix)

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