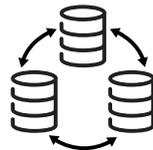
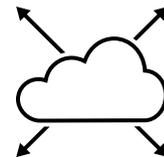




Lowered operating costs through reduced hardware dependency



Increased management efficiency, convenience and enhanced agility



Scalability and foundation for the future secured

NongHyup Bank Leaps Forward as a Leading Digital Bank Through Cloud Platform

NongHyup Bank, established in 2012 as a subsidiary of NongHyup Financial Group, is a reliable financial partner of agricultural and local communities and a representative financial institution in Korea. NongHyup Bank has 1,135 branches and local offices in Korea and has been expanding its operations in various overseas offices including New York and Hanoi.

Recognizing the changing role of financial institutions in the 4th Industrial Revolution, NongHyup Bank established a cloud platform with VMware vSphere™, VMware vSAN™, and VMware vRealize Automation™ to provide agile services for new business environments. Additionally, NongHyup Bank plans to introduce innovative next-generation technologies such as big data, artificial intelligence (AI) and machine learning (ML) leveraging on the new agile IT infrastructure. This will be crucial in positioning itself as a leading digital bank providing customers with seamless and efficient services.

NongHyup Bank presents a blueprint for successful digital innovation

Understanding the benefits of having a robust cloud platform, NongHyup Bank decided to revamp its IT infrastructure to support scalability and efficiency of computing resources, key to achieving digital transformation within the organization.

Firstly, NongHyup Bank held a change management seminar for its employees to establish the importance of cloud computing for its organization. It came to the consensus that cloud was essential to providing better financial services to its customers. Following this, the bank embarked on a project to build an IaaS system and a private cloud in July 2018.



NongHyup Bank, established in 2012 as a subsidiary of NH Financial Group, is a reliable financial partner of agricultural and local communities and a representative financial institution in Korea. In the face of the 4th Industrial Revolution, NongHyup adopted a cloud platform with VMware vSphere, VMware vSAN, and VMware vRealize Automation. Through the flexible and agile IT infrastructure, NongHyup will leap forward as a leading digital bank providing customers with agile services.

INDUSTRY

Financial Services

HEADQUARTERS

Seoul, Korea

VMWARE FOOTPRINT

VMware vSphere™

VMware vSAN™

VMware vRealize Automation™

VMware NSX-T™



Previously, NongHyup Bank had used Unix and x86 servers to stabilize its IT infrastructure. Maintaining these physical servers were costly and the bank found it difficult quickly to allocate resources corresponding to developer's needs. Securing physical servers took at least 2-3 months.

The bank realized that these challenges necessitated a new IT infrastructure and adopted a cloud platform that could support existing workloads and accelerate the use of next-generation technologies such as big data, artificial intelligence (AI) and machine learning (ML).

NongHyup Bank turned to VMware, a leader in the virtualization market. VMware had already been building a range of success stories in the financial industry through its market-proven technology and a broad service portfolio. Having a digital foundation built on VMware's technology provided the bank with a cloud-native environment, providing developers with the flexibility to explore the latest development methodologies and cloud operating models.

Establishing a virtualization foundation for successful digital transformation

The modern IT infrastructure building project from July to December 2018 brought various benefits to NongHyup Bank. VMware's cloud platform has increased operational productivity and maximized economic efficiency by providing visibility and automation throughout the infrastructure management environments while helping the bank comply with existing security policies.

NongHyup Bank not only reduced hardware dependency and cut floor space costs through VMware vSAN, but it also simplified the server deployment process. Additionally, VMware vSphere facilitated regular checks and updates of its IT systems, enabling smooth operations for the bank.

To facilitate smooth migration from legacy systems to virtualized environments, VMware worked closely with NongHyup Bank to devise a variety of scenarios and conducted tests to verify stability. Additionally, VMware helped to ensure that the IT infrastructure proposed was compliant with the security requirements of financial institutions.

As a result, NongHyup Bank successfully developed an IaaS system built on VMware solutions, virtualizing more than 100 servers. This was crucial in enabling faster responses to customer needs and adjusting accordingly to demand. After the cloud project, the IT team was able to quickly launch or update e-banking services, targeting customers outside of South Korea. The speed of service development and deployment helped NH Bank enhance customer services.

“The flexible and agile digital infrastructure has improved the efficiency and productivity of our employees and has helped NongHyup Bank to leap forward as a digital financial institution. Through a long-term partnership with VMware, we will accelerate our leading position in the digital financial market by continuing to drive digital transformation and provide innovative services to our customers.”

Park Seong-jin, Senior Manager
IT Cloud Team, NongHyup Bank

Digital foundation paved the way for fostering future innovative businesses

With VMware solutions, NongHyup Bank is able to accelerate the adoption of PaaS and SDN to build an automated private cloud environment. They were chosen as they had high connectivity with existing IaaS architectures.

The cloud-native environment that VMware offers not only improves productivity for applications running across cloud environments but also gives the bank the ability to accelerate time-to-market by supporting the latest open source technologies including Kubernetes. Through the deployment of VMware solutions, NongHyup Bank is able to focus on exploring new IT technologies such as big data, artificial intelligence (AI) and machine learning (ML) and develop modern applications that will enable the bank to deliver superior customer experiences and services.

Against the backdrop of the fierce competitive financial market, NongHyup Bank is confident that it will be able to overcome its challenges with its modern IT infrastructure developed by VMware. NongHyup Bank will continue to ramp up on digital transformation in order to provide industry-leading banking experiences.