



# KOREA FEDERATION OF BANKS IMPLEMENTS RED HAT ENTERPRISE LINUX ADVANCED PLATFORM VIRTUALIZATION

## FAST FACTS

Geography	Republic of Korea
Business Challenge	Searched for a reliable, high-performing alternative to reduce server failure, optimize resources, and enable faster response times
Migration Path	From UNIX to Red Hat Enterprise Linux Advanced Platform with integrated virtualization
Software	Red Hat Enterprise Linux Advanced Platform with integrated virtualization technology, Oracle database
Hardware	Dell PE2950/ PE1850, EMC CX3-10
Benefits	Achieved significant cost savings by deploying a reliable, open source virtualization solution with Red Hat, reduced maintenance costs with hardware integration and clustering, acquired operation flexibility, and experienced ease of use and ease of management



## BACKGROUND

Korea Federation of Banks (KFB), a non-profit organization founded in 1928, plays a role in the development of the Korean finance industry. Its members include all commercial banks, special banks, and provincial banks, while its associate members include all Korean branch offices of foreign banks. It promotes the development of financial industry through cooperation between financial institutions, R&D of financial issues, and improvements of business practices of banking industry. It also establishes healthy credit transaction order with centralized management of credit information and evaluation about financial institutions clients.

## BUSINESS CHALLENGE

KFB faced the challenge of unreliable systems that could not meet the organization's performance needs. Its previous server system lacked resources and often experienced failures that resulted in delayed response and availability of its mission-critical systems. In addition, the usage of the overall system was not balanced, causing some servers to be under-utilized.

It was important to KFB to integrate its many physical servers into a virtualized environment to benefit from ease of management, cost savings, and for the ability to configure multiple guest operating systems. It also wanted to increase system availability.

**"By deploying Red Hat's open source-based virtualization solution, we were able to receive the proven stability of the platform and Red Hat's reliable support and services."**

- Hwang Sae Yong, assistant manager  
of Computer Operation Team for  
Korea Federation of Banks



## SOLUTION

To address these challenges, KFB decided to deploy Red Hat Enterprise Linux Advanced Platform for its integrated virtualization technology. By duplicating the configuration of existing systems to server virtualization from Red Hat, KFB was able to leverage a reliable solution that provided no downtime.

"We chose Red Hat Enterprise Linux Advance Platform after considering maintenance cost reduction, support, and manageability," said Hwang Sae Yong, assistant manager of Computer Operation Team for Korea Federation of Banks.

"By deploying Red Hat's open source-based virtualization solution, we were able to receive the proven stability of the platform and Red Hat's reliable support and services. This also resulted in ease of management for our solutions. With Red Hat Enterprise Linux Advanced Platform with integrated virtualization, we are able to leverage our full hardware capabilities and cannot tell the difference between our physical and virtual systems."

## BENEFITS

In addition to integrated virtualization, Red Hat Enterprise Linux Advanced Platform includes Red Hat Cluster Suite and Red Hat Global File System (GFS) technology for no additional cost. With these solutions, KFB was able to achieve high availability, maximizing availability by minimizing service downtime, and significantly increased reliability and availability of service.

"In addition, with Red Hat virtualization, we were able to reduce the number of servers we were maintaining, and were able to innovatively reduce operation costs including server and power costs," said Yong.

"After implementing Red Hat virtualization technology, our systems are running much more smoothly, and we are able to achieve flexible service operation through online migration."

## RED HAT SALES AND INQUIRIES ASIA PACIFIC

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