



“By deploying VMware solutions, Dongbu Corporation expects to reduce TCO in the server virtualization by 20% and desktop virtualization by 13% each. We also anticipate improving performance efficiency and removing the complexity of management through VMware’s virtualization technology across all IT areas”

— Kang Hee Lee, General Manager,
Management Innovation Team
Dongbu Corporation

KEY HIGHLIGHTS

Challenge

- More efficient management of IT resources and reduction of management and maintenance
- Reduce the IT Infra Lead Time when to start new projects
- Stabilize system and decrease TCO through virtualization

VMware at Work

- View
- vSphere

Deployment environment

- HP rx-8640 server
- Cisco UCS server
- IBM 3850 server
- IBM XIV storage

Introduction of Dongbu corporation and background of virtualization process

Dongbu Corporation, a major affiliate of the Dongbu Group, has been a trusted provider of construction services in Korea since the 1960’s. Over the past 40 years, Dongbu Corporation has been entrusted to plan and execute numerous major construction projects including Korea’s largest earthen dam and the country’s first and most lucrative overseas contract. Dongbu Corporation is one of the most successful construction companies in Korea, incorporation industry-leading programs into practice.

Dongbu had consumed unnecessary IT Infra Lead Time at the starting point of new projects because of the system slow-down caused by deterioration and increasing errors of out-of-date H/W. They also went through over cost problem by assigning large places for servers compared to the server’s capacity.

Dongbu corporation is the first company who has introduced UNIX, x86 server virtualization and desktop virtualization across the all IT areas in construction industry. Dongbu Corporation established BI (Business Intelligence) based on UC (United Communication) using VMware infrastructure solution ‘vSphere’ consolidating 19 x86 servers into 3. Dongbu has been also proceeding the integration process with VMware virtualization technology on PMIS (Project Management Information System) based on x86 server.

In addition, Dongbu has started desktop virtualization for 120 employees for the 1st phase. By using VMware desktop solution ‘View’, they can allow access to desktop environment from any place and centrally manage widely distributed PCs. Dongbu has plan to expand users to 250 employees at the corporate level within 2010 as soon as they build security policy.

Results

Server virtualization has provided higher performance and this resolved the cost of establishment caused by various new projects. It becomes possible to perform extra workloads without increasing human resources and reduce redundant sources. This also has enabled Dongbu to rapidly deploy, manage and secure large-scale IT infrastructures in days or minutes which took many months or weeks before. As a result, Dongbu can expect to have ability to deal with the dynamic nature of modern infrastructures and cloud environments requires a new management paradigm with real-time.

Desktop Virtualization also enables to improve security and compliance, lower operating costs, and simplify desktop administration and management. It also has provided High performance, high availability and prevented the leakage of information. The speed of the working performance has enhanced while securing the service continuity.

With the success of collaboration with the VMware, Dongbu has established automated server, storage resources distributed environment through expanding virtualization infrastructure by 2012. Dongbu is planning to adapt Cloud infrastructure in 2013, which can secure flexible scalability depends on the environment.

- Consolidated 19 x86 server workloads to 3 physical machines
- Reduce the TCO in the server virtualization by 20% and in the desktop virtualization by 13%
- Maximize the utilization IT resources, run efficient infrastructure
- Reduce IT Lead Time to deal with the dynamic business environment in real-time
- Reduce the cost of establishment of new infrastructure, management, maintenance



CUSTOMER SNAPSHOT