

Statistics Korea creates a cloud-based, next-generation platform



Government

Software

Red Hat® OpenShift®
Container Platform

Red Hat Runtimes

Red Hat JBoss® Web Server

Software and services

Red Hat Consulting

Statistics Korea is the central administrative agency of the Republic of Korea in charge of establishing statistical standards, generating census, and processing and managing various statistical data.

Challenge

- ▶ Create systems for better analysis, more efficient processes, and accelerated execution
- ▶ Establish an efficient development environment in less time
- ▶ Support the statistical system's increased data complexity that leads to frequent system load

Solution

- ▶ Created a container-based infrastructure for cloud migration
- ▶ Built a cloud-based, next-generation platform with Red Hat solutions
- ▶ Reduced and simplified system load by separating modules independently by work unit and survey system

Benefits

- ▶ Reduced the costs for producing statistics through enhanced development productivity
- ▶ Efficiently responded to the public's demand for new services
- ▶ Improved the quality of national statistics by standardizing the statistical preparation process

“The next-generation national statistical system is the first case of introducing the cloud by the National Statistical Office. By introducing a container-based cloud, we can respond quickly to changes in business needs and further improve statistical quality for policy support.”

Hoon Han
Director, Statistics Korea

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