



PRIMEQUEST keeps TV Setouchi on-screen

To reduce cost and streamline management, Japan's TV Setouchi Broadcasting (TSC) decided to change its operating system (OS) from Solaris to Red Hat® Enterprise Linux® (RHEL). It needed to replace the legacy UNIX server environment with a new platform that supports critical programming. Reliability and high availability were vital because any failure could take programs off the screen. A mission-critical FUJITSU IA Server PRIMEQUEST was the choice.

About the customer

Headquartered in Okayama City, TSC is a community-based organization covering Okayama and Kagawa prefectures. With 98 employees, it is part of Sanyo Shimbun group and was established in 1984. In addition to reporting local news, TSC focuses on programs that closely relate to residents in local communities. Its highly popular Grandma's Kitchen program has received a number of awards.



Industry: **Broadcasting**



Location: **Japan**



People: **98**



Web: **webtsc.com**



“As a mission-critical IA server supporting systems that are at the core of our company, PRIMEQUEST is an extremely precious product.”

Kenji Hiragushi, Deputy Director of the Technical Department, TV Setouchi Broadcasting

Challenge

As the only TV Tokyo broadcasting station to cover the local regions of Chugoku and Shikoku, TSC needs to ensure uninterrupted service. To achieve that, it requires a highly available and reliable server platform.

Solution

- Mission-critical FUJITSU IA Server PRIMEQUEST
- FUJITSU Storage ETERNUS AF250 S2 All-Flash storage array
- FUJITSU Server PRIMERGY RX2530 M4

Outcomes

- The reliable Fujitsu solution ensures uninterrupted programming
- Running both programming and business systems in one unit reduces power costs and saves space
- License fees have been reduced and system operation simplified

Server failure poses risk of TV blackout

As the only TV Tokyo broadcasting station covering the local regions of Chugoku and Shikoku, TSC needs to ensure uninterrupted service and that relies on the high availability of its servers. Two applications are at the heart of the operation. The Business Broadcasting System produces data for program scheduling and publication, and transmits the finalized data to the broadcast studio. The Business Processing System deals with business matters such as accounting, human resources, and payroll.

Data created in the Business Broadcasting System is finalized on the evening before broadcast and if the system fails at that time, there is a risk that the station will not be able to broadcast relevant programs.

To ensure reliability and scalability, reduce cost, and streamline management, TSC decided to change the OS for its two main applications from Solaris to Red Hat Enterprise Linux (RHEL), and to replace its existing UNIX server platform.

Mission-critical platform

The broadcaster needed a highly reliable and available new platform. Having discounted an original plan to implement a server cluster, it researched the market and opted for a mission-critical FUJITSU IA Server PRIMEQUEST solution as the single platform for both business systems.

“I valued PRIMEQUEST for its high reliability and high availability technology, backed by Fujitsu technology and know-how,” says Shinzo Kusaka, Director General of the Technical Division at TSC. The ability to install the latest Intel® Xeon® processors and cost-effective licensing were also important to the buying decision.

PRIMEQUEST uses a reserved system board that achieves high availability without operational burden. This was another plus point for TSC as Kenji Hiragushi, Deputy Director of the Technical Department at TSC explains: “Previously, we had been using a cluster configuration which was controlled by software and the procedures for operation and recovery were complex. In the case of PRIMEQUEST, if the system board fails, it is automatically switched to the reserved system board, thereby enabling the business to be recovered in a short time purely by restarting the system.”

In addition to the PRIMEQUEST 3400S Lite mission-critical IA server, TSC has also installed a FUJITSU Server PRIMERGY RX2530 M4 as a PC server and a FUJITSU Storage ETERNUS AF250 S2 All-Flash storage array, chosen for its high I/O performance which shortens data recovery time.

Cost saving and reliability

The new systems have brought cost reductions and since implementation, they have been running with no interruptions to service. “Because the two servers were integrated into one unit, power consumption has been reduced, space is saved, and the operation is now simplified by not using a cluster configuration,” concludes Hiragushi. “The use of a reserved system board eliminated the need for cluster software licenses, and also reduced the cost of Oracle Database licenses.

The OS and applications to operate the standby server are no longer needed, which allows us to reduce the costs significantly. As a mission-critical IA server supporting systems that are at the core of our company, PRIMEQUEST is an extremely precious product.”

35yrs

TSC has been staying close to residents in the local community since 1985

FUJITSU

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