" We thought that PRIMERGY, which is compact with a large capacity, as well as being easy to scale out in the future, would be the best choice. "

Keigo Baba,
Manager, Sales Promotion Department,
PSP Corporation

Providing a wide range of medical systems using Fujitsu Servers to support the timely use of the ever increasing amount of medical images

At a glance
Country: Japan
Industry: Medical
Founded: 1989
Website: www.psp.co.jp

Challenge
PSP needed to develop medical systems in house that would improve access to diagnostic imagery. To do this they looked for a partner that could deploy systems and storage solutions across their hospital range.

Solution
PSP adopted PRIMERGY servers as its base for providing various medical systems. By providing an environment that meets the needs of medical practice, including appropriately displaying medical images taken and efficiently saving and managing large amount of data, PSP Corporation has been expanding its customer base by introducing its systems throughout Japan and also internationally.

Benefits
■ PSP can now store, manage and distribute large amounts of data safely and securely

■ Different hospitals can now cooperate more effectively thanks to the new network for sharing imagery

■ PSP has the flexibility to scale up the server configuration as required

■ Diagnosis efficiency is improved and waiting times are down

shaping tomorrow with you

FUJITSU

Customer

Since its establishment in 1989, PSP Corporation has been providing advanced information systems mainly to the medical industry for nearly 30 years. Among medical systems, the company focuses on systems that handle medical images.

Products and Services

- FUJITSU Server PRIMERGY

Develop a wide range of medical systems in-house to meet the needs of medical practice in a timely manner

PSP has continued to develop systems that meet the challenges of society, mainly in the medical field. The company name PSP stands for "Public and social systems Solution Provider," which embodies the desire to contribute to society through the creative development of technology. To fulfil this philosophy, the company is committed to developing and operating systems in house. The company puts particular emphasis on software related to diagnostic imaging, such as Picture Archiving and Communication System (PACS), which is used to save and manage medical images taken from various diagnosis devices and Radiology Information System (RIS), a specialized information system for radiology.

Recently, with the aim of detecting diseases at an early stage, improving diagnosis accuracy, increasing the efficiency, and reducing the burden on medical practices, medical diagnostic imaging systems are becoming increasingly popular. Especially recently, systems using servers and storage are becoming widespread and are popular among not only large hospitals but also medium-size hospitals and clinics, which led to the establishment of a system for cooperation between local healthcare providers as well as to accelerate the building of a network for sharing medical images.

"To introduce our medical systems, especially ones that handle medical images, system infrastructure with the data and processing capacity is necessary to save and store a large volume of image data as well as quickly retrieving and displaying such data is required. Establishing such an environment requires specialized knowledge. Therefore, before we provide a system to the customer, we first choose servers that are suitable for the system and ask the customer to have those servers delivered to our headquarters. After installing the system on the servers in house, we deliver it to the site where the customer will start using the system," explains Keigo Baba, Manager Sales Promotion Department.

Problem-free introduction without stopping medical practice

Mr. Baba mentioned a specific case study: "Recently, we replaced the system that we had implemented at Kumamoto Chuo Hospital and needed to upgrade to Fujitsu PRIMERGY. The PACS installed at the hospital had medical images for which more than five years or so has passed from the time of system introduction.

"However, such data cannot be thrown away even when the system needs to be upgraded. Referring to past images to understand the changes in patients' symptoms is extremely important. In order to accommodate the needs to migrate the already massive amounts of data and then to save and manage the new images, we thought that PRIMERGY, which is compact with a large capacity, as well as being easy to scale out in the future, would be the best choice."

"The number of medical images has increased and also there are occasions to handle videos as well, and as such, this kind of data is growing even further lately. To improve diagnosis efficiency and shorten patients' waiting times, the processing capacity to appropriately save and display large amounts of image data is also required. The system not only needs be able to immediately display images taken, but also to be capable of handling data such as zooming in on images in an extreme smooth way. Moreover, since high resolution monitors are used for diagnostic imaging, a more powerful graphics card is required. Maintainability in terms of graphics card upgrade work and card expandability are also important points." (Mr. Baba)

Expect collaboration with Fujitsu toward further progress Medical x ICT

"Today, the combination of medical and ICT has been continuing to advance rapidly and PSP is also focusing on expanding its system lineup, as well as making further progress with our existing systems such as PACS and RIS. As we make such efforts, I hope we will have the opportunity to receive information on Fujitsu's latest technologies," said Mr. Baba when explaining his expectations of Fujitsu. "In addition to the use of virtual technology for the efficient upgrade of server systems, AI has also been introduced in the area of diagnostic imaging, and so we will seek an opportunity to collaborate with Fujitsu, as it is strong in this area. Working with Fujitsu will also allow us to meet wider needs in the medical field, not only with regard to diagnostic imaging, but in improving patient convenience and preventing spoofing by incorporating a biometric authentication system into patient registration tickets." (Mr. Baba)

To meet these expectations, Fujitsu will continue to strive to provide a wide range of support that is not limited to the provision of servers, as a partner of PSP.

FUJITSU

Contact a representative at: AskFujitsu@uk.fujitsu.com