OLYMPUS

About Customer

As a leading MedTech company, Olympus offers a wide range of products and services. We aim to contribute to improving the health and QOL of people around the world in diagnosis and minimally invasive treatment with innovative technology and manufacturing technology.
www.olympus-global.com

Geo

APJ

Industry

High Tech, Healthcare

Solution Area

Activate Real-time Analytics
Power Artificial Intelligence

Products in Use

AI-Ready Infrastructure (AIRI®)
Pure Storage® FlashBlade®
Pure Storage FlashArray™

Supporting Olympus' AI Development with Pure Storage FlashBlade and AIRI

Olympus is a leading manufacturer of medical devices with an ambitious vision.

"In research and development related to AI, a large amount of image data is generated, and the infrastructure for storing that data becomes more important," says Mr. Shuta Yanagita, Software Strategy Manager, Software Strategy at Olympus. "In addition, as the number of AI development programs increases, we need an environment that efficiently uses GPU resources. Creating a flexible AI development environment that solves these issues became a new challenge for the company."

> "Pure Storage and AIRI prepare a platform for innovation to make advancements in AI development."
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> **MR. SHUTA YANAGITA,** SOFTWARE STRATEGY MANAGER, SOFTWARE STRATEGY, OLYMPUS

Improving R & D efficiency and strengthening competitiveness

Olympus has set out a policy of utilizing AI to improve customer value.

Based on this policy, the Software Strategy Group, which is in charge of building a software development environment, is working to improve the development environment with an emphasis on improving the efficiency of AI research and development, and strengthening the company's competitiveness. Not only did the infrastructure

Challenges

Needed to provide an AI development environment quickly

Required a new storage environment to manage image data efficiently

Needed a storage management mechanism to match container environment speed

Results

Secured a stable AI environment with AIRI

Achieved a self-service AI development environment

Realized an efficient storage environment for container delivery

need to process immense amounts of data in various formats and at high speeds, it also needed to support rapid deployment in a container environment, powered by Red Hat OpenShift.

However, the company's existing infrastructure couldn't keep up with the growing volumes of imaging data and the fast pace of development. To find a solution, Software Strategy Group turned to Tokyo Electric Device (TED), a long-time partner who introduced Olympus to Pure Storage FlashArray years earlier.

Achieving a rapid AI development environment for developers

On TED's recommendation, Software Strategy Group adopted AIRI as a new AI development environment. Based on Pure Storage FlashBlade and NVIDIA systems, the reference architecture for AI provides the performance and capacity required to run intelligent models on a large scale.

"Pure Storage and AIRI prepare a platform for innovation to make advancements in AI development," says Mr. Yanagita.

Using AIRI, with the speed and flexibility of FlashBlade, development teams can go to market faster with new AI solutions that have the potential to transform the market. And by powering their Kubernetes workloads with OpenShift and Pure, Olympus developers can provision all the resources needed to build, test, and deploy applications on demand.

"By running Red Hat OpenShift, developers can quickly spin up container-based development environments for themselves," says Mr. Yasuhiro Wada, Software Strategy U2, Software Strategy at Olympus. "Compared to building from a virtual machine on a runbook basis, we achieved a reduction in human error and a dramatic improvement in building speed."

Software Strategy Group sees enormous potential for growth, especially given the performance of FlashBlade. "Pure Storage FlashBlade is so reliable and stable," says Mr. Konno, Software Strategy U2, Software Strategy at Olympus.

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