SEIJO UNIVERSITY

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Improving I/O Latency with All-Flash HCI Using Intel® Optane™ SSDs for Caching

Seijo University is a university for humanities and social sciences. Five years had passed since VMware vSAN was first deployed, so they considered migrating to the next hyperconverged infrastructure (HCI). All-flash configurations were deployed where high-speed SSDs and NAND SSDs were combined to find the optimal balance between cost and performance. In this process, they turned to Intel® Optane™ SSDs and 2nd Gen Intel® Xeon® Scalable processors. By moving to the new system, the university saw a significant improvement in performance and system stability as expected. A unit of measurement for I/O latency, which used to be milliseconds in the previous HCI environment, improved to microseconds.[1] It led to a huge improvement in application response for security and log management.

"I/O latency, which used to be milliseconds in the previous HCI environment, improved to microseconds.[2] It led to a huge improvement in application response for security and log management."

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