4Paradigm 第四范式

intel

UP TO 23.5% reduction in OpenMLDB request latency.[1]

UP TO 27.6% increase in OpenMLDB throughput with Intel Optane PMem.[2]

# An Improved All-process AI System based on Intel® Optane™ Persistent Memory

Beijing 4Paradigm Technology Co., Ltd. (4Paradigm), a leading AI platform and service provider, has worked with Intel to introduce 3rd Generation Intel® Xeon® Scalable Processors and Intel® Optane™ persistent memory (PMem) to its proprietary SageOne AI computing platform. The optimization takes advantage of Intel Optane PMem's higher storage density, data persistence, DRAM-level I/O performance, and lower cost, creating a new HyperCycle Machine Learning all-process AI system for enterprise users. With a design integrating hardware and software, the new system based on Intel Optane PMem features higher performance, higher service continuity and lower TCO, delivering much better online inferencing services for enterprise users.

"The implementation of all-process AI system requires both high performance and high availability to shorten the data recovery time in the case of anomaly and to guarantee the quality of online services. The high density and data persistence of Intel® Optane™ persistent memory can help users meet these requirements all while lowering TCO significantly."

**Zhao Zheng, Vice President, 4Paradigm**

**Products and Solutions**
3rd Generation Intel® Xeon® Scalable Processors
Intel® Optane™ Persistent Memory 200 Series
Intel® Persistent Memory Development Kit

**Industry**
Computer Software

**Organization Size**
1,001–5,000

**Country**
China

**Learn more**
Case Study

1, 2 For more complete information about performance and benchmark results, visit https://www.intel.com/content/www/us/en/customer-spotlight/stories/4paradigm-customer-story.html