

# 4Paradigm

第四范式

UP TO **23.5%** reduction  
in OpenMLDB request  
latency.<sup>1</sup>

UP TO **27.6%** increase  
in OpenMLDB throughput  
with Intel Optane PMem.<sup>2</sup>

“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**

## 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.

### 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

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[Case Study](#)