

**3.4X** higher write performance of RocksDB with WAL-based optimization.<sup>1</sup>

**3.7X** higher read performance of RocksDB with WAL-based optimization.<sup>2</sup>

## Alibaba Cloud Elastic Compute Service Built on Intel® Optane™ Persistent Memory

Alibaba Cloud is a global leader in cloud computing and artificial intelligence. Elastic Compute Service (ECS) is a high-performance, stable, reliable, and scalable Infrastructure-as-a-Service service provided by Alibaba Cloud. ECS eliminates the need for upfront investments in IT hardware and allows customers to scale computing resources on demand. As the provider of core products at Alibaba Cloud's IaaS layer, ECS needs to provide a suite of stable, reliable, and cost-effective solutions with excellent performance. To cater to the demand for cost-effective, high-performance solutions, Alibaba Cloud chose to integrate the company's 3rd-generation X-Dragon architecture and Intel® Optane™ persistent memory to build persistent memory-based instances in the cloud. Alibaba Cloud ECS re7p and i4p instances provide bigger memory capacity and cheaper memory allowing them to save costs while improving efficiency.

Products and Solutions  
[Intel® Optane™ Persistent Memory 200 Series](#)

<b>Industry</b> Cloud	<b>Organization Size</b> 10,001+	<b>Country</b> China	<b>Learn more</b> <a href="#">White Paper</a>
--------------------------	-------------------------------------	-------------------------	--