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10X boost

in distributed scalability in recommendation system scenarios.[1]

TensorFlow Optimization by Meituan Based on Intel® Xeon® Scalable Processors

As China's leading e-commerce platform for lifestyle services, Meituan has established an experienced AI team, providing robust AI capabilities to its entire set of operations. Nevertheless, with a fast-growing number of users, ever-evolving intelligent businesses, as well as increasing scale and complexity of AI models, its business system faces mounting performance challenges. With Intel® Xeon® Scalable processors as the underlying infrastructure, Meituan has applied the asynchronous training mode of the TensorFlow Parameter Server (PS) to support its business requirements for distributed training in the recommendation system. Within its TensorFlow system, Meituan has also applied Intel® oneAPI Deep Neural Network Library, to enable maximum cache and computing power utilization in modern CPUs and boosts the effectiveness of instruction sets, usually resulting in better computing performance in deep learning workloads.

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