

Accelerating Al
Applications on
Alibaba Cloud with
Analytics Zoo and
Bfloat16

Products and Solutions

3rd Gen Intel® Xeon® Scalable processors Intel® Deep Learning Boost Analytics Zoo Artificial intelligence (AI) applications running on seventh-generation Alibaba Cloud Elastic Compute Service (ECS) instances are fueled by 3rd Gen Intel® Xeon® Scalable processors. By using enhanced Intel® Deep Learning (Intel® DL Boost) with blfoat16 support, 3rd Gen Intel Xeon Scalable processors can deliver improved inference and training performance for AI tasks like natural language processing (NLP) and image classification when compared with previous-generation processors.² Analytics Zoo, the unified data-analytics and AI platform, is able to unleash bfloat16 acceleration on Alibaba Cloud. Given ResNet-50 as example, Analytics Zoo using bfloat16 can achieve up to 1.775 times the performance compared to using FP32 in the Alibaba Cloud ECS environment.³

Industry Cloud Organization Size 10,001+

Country China Learn more
White Paper