Enterprises looking to monetize AI need a powerful hardware infrastructure that delivers timely, precise insights. 2nd Generation Intel® Xeon® Scalable processors with new Intel® Deep Learning Boost (Intel® DL Boost) are enhanced specifically to run performance-hungry AI applications alongside existing cloud and data center workloads.

**Keywords:** Inference, deep learning, image recognition, object detection, recommendation systems, speech recognition, deep neural network, convolutional neural networks

"The Intel Xeon Scalable platform introduces a common platform for AI with high throughput for both inference and training, so you can do both without purchasing a GPU."²

"Intel is partnering with developers to continue optimizing popular frameworks and libraries to further accelerate inference performance."

"Intel DL Boost unlocks insights by optimizing systems for impactful automation. Imagine the efficiency you can deliver to your business by no longer having to purchase dedicated hardware to uncover the data you need."

"Intel DL Boost works by extending the Intel AVX-512 instruction set to do with one instruction what took three instructions in previous-generation processors. How would your organization benefit from those dramatic increases in efficiency?"
ADDED VALUE FOR DEEP LEARNING WITH INTEL® OPTANE™ TECHNOLOGY

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INTEL OPTANE DC PERSISTENT MEMORY

Lower latency and more memory closer to the CPU enable larger in-memory working datasets and persistence across power cycles.

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Help businesses deliver AI readiness across the data center with Intel Xeon Scalable processors featuring Intel Deep Learning Boost. Contact your Intel Authorized Distributor or visit ai.intel.com.