NVIDIA.

STATE-OF-THE-ART

GPU Deep Learning with the **NVIDIA** TensorRT Hyperscale Inference Platform

THE EXPLOSION OF AI

Demand for personalized services has led to a dramatic increase in the complexity, number, and variety of AI-powered applications and products. Applications use AI inference to recognize images, understand speech, or make recommendations. To be useful, AI inference has to be fast, accurate, and easy to deploy.

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UNDERSTANDING INFERENCE PERFORMANCE

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With inference, speed is just the beginning of performance. To get a complete picture about inference performance, there are seven factors to consider, ranging from programmability to rate of learning.









The NVIDIA TensorRT Hyperscale Inference Platform delivers on all fronts. It delivers the best inference performance at scale with the versatility to handle the growing diversity of today's networks.

INSIDE THE NVIDIA TensorRT HYPERSCALE INFERENCE PLATFORM

NVIDIA T4 POWERED BY TURING TENSOR CORES

Efficient, high-throughput inference depends on a world-class platform. The NVIDIA® Tesla® T4 GPU is the world's most advanced accelerator for all AI inference workloads. Powered by NVIDIA Turing[™] Tensor Cores, T4 provides revolutionary multi-precision inference performance to accelerate the diverse applications of modern AI.



THE POWER OF NVIDIA TensorRT

NVIDIA TensorRT[™] is a high-performance inference platform that includes an optimizer, runtime engines, and inference server to deploy applications in production. TensorRT speeds apps up to 40X over CPU-only systems for video streaming, recommendation, and natural language processing.



PRODUCTION-READY DATA CENTER INFERENCE

The NVIDIA TensorRT inference server is a containerized microservice that enables applications to use AI models in data center production. It maximizes GPU utilization, supports all popular AI frameworks, and integrates with Kubernetes and Docker.



THE BEST AI PLATFORM.

www.nvidia.com/data-center-inference

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