Solution Overview

NVIDIA DGX Platform

The best of NVIDIA AI—all in one place.

Firms that plan to adopt next-generation AI are 2.6X more likely to increase revenue by 10% or more.[1]

As AI capabilities accelerate, from fraud detection to rapid software development with AI-assisted coding tools to adaptive product design, organizations need a comprehensive solution to harness these innovations across the entire AI lifecycle. The concept of an AI factory represents a holistic approach to AI development, where foundational models, data, and tools are harmoniously integrated to streamline AI workflows, enabling organizations to deploy AI models efficiently and at scale. With the NVIDIA DGX™ platform, featuring NVIDIA DGX SuperPOD, organizations can establish their own AI factory, leveraging an end-to-end solution that supports the full spectrum of AI workloads—training, validation, and inference—while maintaining efficiency and agility even in unprecedented times.

NVIDIA DGX Platform: The Proven Standard for Enterprise AI

Built from the ground up for enterprise AI, the NVIDIA DGX platform incorporates the best of NVIDIA software, infrastructure powered by the NVIDIA Blackwell architecture, and expertise in a modern, unified AI development and training solution. Every aspect of the DGX platform is infused with NVIDIA AI expertise, featuring world-class software, record-breaking NVIDIA-accelerated infrastructure, and direct access to NVIDIA DGXperts to speed the ROI of AI for every enterprise.

The Leading Platform for AI Development

Unleashing AI innovation with unparalleled performance and scalability.

The NVIDIA DGX platform integrates AI software and purpose-built hardware in a comprehensive solution for AI development. NVIDIA DGX systems are built from the ground up for enterprise AI, delivering industry-leading performance and scalability. NVIDIA Mission Control streamlines AI operations, delivering unprecedented agility and infrastructure resilience with full-stack software intelligence that accelerates AI experimentation. The DGX platform also leverages the NVIDIA AI Enterprise software suite, a large library of fully supported and optimized software that unlocks developer productivity.

Thousands of Leading Companies Deploy the NVIDIA DGX Platform

10	of the Top 10 **Global Car Manufacturers**
10	of the Top 10 **Global Universities**
10	of the Top 10 **Global Aerospace and Defense Companies**
9	of the Top 10 **U.S. Government Institutions**
8	of the Top 10 **Global Telcos**
7	of the Top 10 **Global Pharma Companies**
7	of the Top 10 **Global Payment Networks**
7	of the Top 10 **Consumer Internet Companies**

[1] Accenture Research. Breakthrough Innovation: Is Your Organization Equipped for Breakthrough Innovation? WEF 2023

Infused With NVIDIA AI Expertise

When you buy DGX, you get NVIDIA.

Every element in the DGX platform, from the engineering wonders within NVIDIA DGX SuperPOD™ to the full-stack, intelligent software in NVIDIA Mission Control, is infused with the AI expertise of NVIDIA. Our researchers have achieved AI breakthroughs using this platform for years and have completed millions of training runs with it. This vast institutional knowledge is incorporated directly into the design and evolution of the DGX platform, meaning the software tools and accelerated compute infrastructure you use today delivers the best of NVIDIA innovation and will keep getting better over time. Additionally, every DGX customer gets direct access to NVIDIA DGXperts for prescriptive guidance and NVIDIA Enterprise Support to help fast-track AI transformation.

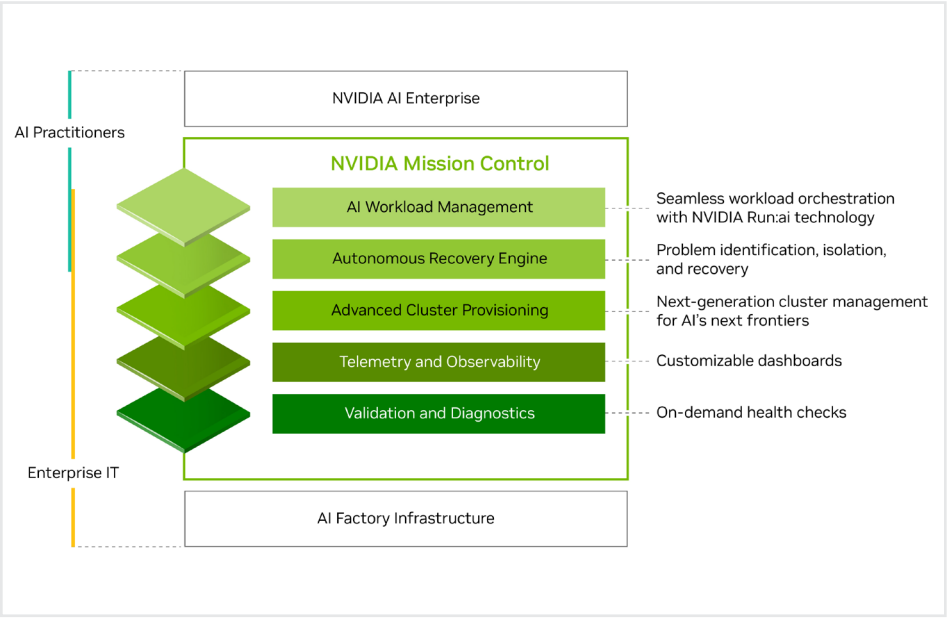
Run models, automate the essentials with NVIDIA Mission Control.

World-Class Infrastructure, Perfectly Aligned to Your Needs

Energy-efficient accelerated computing that fits the way you do business.

Since the introduction of NVIDIA DGX systems in 2016, DGX has represented the pinnacle of AI performance, with numerous record-breaking achievements in supercomputer performance and energy efficiency. Organizations can experience the power of DGX in a multitude of ways: on premises, colocated, rented from managed service providers, in private cloud offerings, and more.

Comprehensive AI Platform



NVIDIA DGX™ software stack.

NVIDIA DGX SuperPOD is full-cycle, industry-leading infrastructure for the fastest path to AI innovation at scale.

> **NVIDIA DGX SuperPOD:** NVIDIA DGX SuperPOD is AI data center infrastructure that enables IT to deliver performance—without compromise—for every user and workload. As part of the NVIDIA DGX platform, DGX SuperPOD offers leadership-class accelerated infrastructure and scalable performance for the most challenging AI workloads, with industry-proven results.

- **NVIDIA DGX BasePOD:** AI is powering mission-critical use cases in every industry—from healthcare to manufacturing to financial services. As part of the NVIDIA DGX platform, NVIDIA DGX BasePOD™ provides the critical foundation on which business transformation is realized and AI applications are born.
- **NVIDIA Mission Control:** NVIDIA Mission Control streamlines AI operations, from workloads to infrastructure, with world-class expertise delivered as software. It powers NVIDIA Blackwell data centers, bringing instant agility for inference and training while providing full-stack intelligence for infrastructure resilience. Every enterprise can run AI with hyperscale efficiency, simplifying and accelerating AI experimentation.

A full range of NVIDIA Blackwell-powered Compute Options

- NVIDIA DGX GB300: NVIDIA's most advanced liquid-cooled AI system built with NVIDIA Grace Blackwell Ultra Superchips for AI training, post-training optimization, and test-time inference of the most complex AI models. DGX GB300 delivers 70X AI FLOPS compared with AI factories built with NVIDIA Hopper.
- NVIDIA DGX GB200: Leadership-class, liquid-cooled AI system featuring NVIDIA Grace Blackwell Superchips for today's leading-edge foundational model training and large-scale inference.
- NVIDIA DGX B300: AI system powered by NVIDIA Blackwell Ultra for training and inference of large generative AI and other transformer-based workloads. DGX B300 delivers 11X the inference and 4X the training performance over previous generation systems.
- NVIDIA DGX B200: Unified AI system built with NVIDIA Blackwell for every stage of the AI pipeline, from training to fine-tuning to inference. DGX B200 is ideal for businesses looking for a single platform for all of their develop-to-deploy pipelines.

Powering Tomorrow's AI Factories

With the growth in AI and its use in day-to-day operations by companies, many are now starting to recognize the importance of developing AI factories. With the DGX platform and NVIDIA Mission Control software to streamline AI factory operations, companies can create their own AI factories that are cost-effective, high-performing, and future-proofed for the rapidly evolving AI landscape.

> "We trained our large language models (LLMs) more effectively with NVIDIA DGX SuperPOD's powerful performance. We considered using other platforms, but it was difficult to find an alternative that provides full-stack environments—from the hardware level to the inference level."
>
> **Hwijung Ryu**, LLM Development Team Lead, KT Corporation

Ready to Get Started?

To learn more about the NVIDIA DGX platform, visit: nvidia.com/dgx

Partner Logo

NVIDIA