Many businesses find themselves sinking in AI model debt with data science innovation languishing in prototypes and rarely realized in production. Typical challenges that constrain time-to-insights include data scientist productivity, workflow bottlenecks, lack of access to resources and infrastructure, and IT/DevOps process integration challenges. Businesses need a solution that accelerates their AI initiatives with simplified experimentation and workflows, and streamlined management of users, jobs, and data sets that’s effortlessly supported by IT teams.

NVIDIA DGX™ Foundry, which includes NVIDIA Base Command™, is a world-class AI infrastructure solution for businesses and their data scientists who need a premium development experience without the struggle of building it themselves. DGX Foundry is offered as a hosted solution for end-to-end AI training and includes access to fully-managed NVIDIA infrastructure based on the NVIDIA DGX SuperPOD™ architecture and NetApp storage. That’s why DGX Foundry is the fastest path to production AI for the world’s most demanding enterprises.

**World-Class AI Infrastructure Managed By NVIDIA Experts**

Managing complex and disparate AI compute infrastructure can be challenging. Business and IT leaders who want to focus on providing world-class 24x7 GPU resources to internal users can do so without the need to design, deploy, and manage that infrastructure themselves. Get rapid access to a turnkey platform that’s fully optimized for AI workloads. Simply choose how many dedicated DGX systems you want to use, how much dedicated storage capacity you need, and how long you want to use it—all fully managed and supported by NVIDIA, including a technical account manager.

**The On-Ramp To Your Own NVIDIA DGX Infrastructure**

Building an AI Center of Excellence should be on any business leader’s immediate to-do list but can be a daunting task and a significant investment. DGX Foundry is available immediately, and let’s you test drive world-class AI infrastructure and premium AI training software before purchasing. Use DGX Foundry to keep your data scientists productive, while waiting for your DGX SuperPOD deployment. Use it to add temporary compute capacity, for short-term AI training needs, to reliably predict your future AI infrastructure needs, and to correctly plan your growth strategy.

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**NVIDIA DGX FOUNDRY SUBSCRIPTION DETAILS**

**Compute**

- A minimum of three NVIDIA DGX systems
- Each system is an NVIDIA DGX™ A100 with:
  - 8x NVIDIA A100 Tensor Core GPUs
  - 640GB of GPU memory
  - 5 petaFLOPS of AI performance
  - NVIDIA InfiniBand networking

**Storage**

- A dedicated high-availability (HA) pair of NetApp AFF A800

**Networking**

- Compute nodes: 8x 200 Gb/s InfiniBand
- Storage: 100 Gb/s Ethernet
- Internet access: 10 Gb/s

**Software**

- NVIDIA Base Command-hosted AI workflow software includes:
  - Single-GPU, multi-GPU, and multi-node AI training
  - Custom scheduler with quota controls
  - Built-in data set management and data governance
  - Role-Based Access Control (RBAC), Single Sign-On (SSO), team collaboration, and sharing
  - Comprehensive job telemetry, including Tensor Core utilization and GPU affinity
  - Detailed showback reporting
  - GPU-optimized software from the NVIDIA NGC™ catalog
  - APIs for MLOps integration
  - Support for interactive jobs to access Jupyter Notebooks and TensorBoard
  - Fastest path to building the most complex AI applications with integrated tools, including NeMo Megatron for developing large-scale NLP

**Support**

- Fully managed service backed by NVIDIA Enterprise Support and a dedicated technical account manager
Unleash The Full Power Of DGX SuperPOD With NVIDIA
Base Command

NVIDIA Base Command, an enterprise-class AI training software service, enables businesses and their data scientists to execute workloads in DGX Foundry or on your own DGX SuperPOD. It manages the end-to-end lifecycle of AI development, including workload management and resource sharing, with an intuitive graphical user and command line interface, and integrated monitoring and reporting dashboards. NVIDIA provides continuous software and hardware enhancements to DGX Foundry, vetted by hundreds of NVIDIA researchers first, so your users can experience the same efficiency and reliability as our own AI practitioners.

Learn more

To learn more about NVIDIA DGX Foundry, visit www.nvidia.com/dgx-foundry

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