NVIDIA BASE COMMAND MANAGER

Comprehensive Management for NVIDIA DGX SuperPOD

Organizations have come to depend on NVIDIA DGX SuperPOD™, the pinnacle of enterprise AI infrastructure, to develop their large-scale AI projects. Powering many of the world's top supercomputers, DGX SuperPOD offers best-of-breed computing, tools, expertise, and continuous innovation delivered seamlessly to keep organizations on the cutting edge.

A key aspect of harnessing the power of DGX SuperPOD is comprehensive, integrated management with NVIDIA Base Command™ Manager. This essential software enables businesses to fully utilize their DGX SuperPOD to operationalize AI development at scale, delivering an AI center of excellence that provides world-class training capabilities accessible across an enterprise.
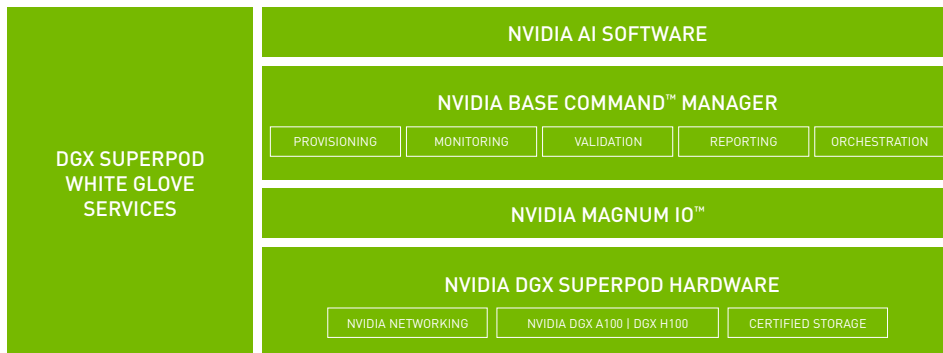
KEY FEATURES

> Operating system provisioning and firmware upgrades
> Network and certified storage configuration
> Scheduler deployment for multi-gpu and multi-node jobs
> Monitoring, logging, and alerting

Infrastructure Management Designed for the Scale of DGX SuperPOD

NVIDIA DGX SuperPOD delivers a proven AI infrastructure design optimized for the most complex AI problems, now solvable at scale. This turnkey AI data center solution scales from a small deployment to massive TOP500 supercomputer class configurations that can meet the demands of every enterprise.

Once organizations move beyond a few nodes, the management software becomes the key to maximizing utilization. From initial installation and bring-up, to scheduling every job that's run on the fully functional cluster, the right management tool maximizes return on investment.

DGX SUPERPOD WHITE GLOVE SERVICES	NVIDIA AI SOFTWARE				
	NVIDIA BASE COMMAND™ MANAGER				
	PROVISIONING	MONITORING	VALIDATION	REPORTING	ORCHESTRATION
	NVIDIA MAGNUM IO™				
	NVIDIA DGX SUPERPOD HARDWARE				
	NVIDIA NETWORKING	NVIDIA DGX A100 | DGX H100		CERTIFIED STORAGE	

NVIDIA Base Command Manager offers the following management features for DGX SuperPOD:

Operating system provisioning with firmware upgrades – From initial deployment through to ongoing operational updates, NVIDIA Base Command Manager provides centralized management for OS and firmware management for nodes across NVIDIA DGX SuperPOD.

Network and certified storage configuration – For initial bring-up and ongoing maintenance, Base Command Manager reduces the networking and storage complexity—from a single console view.

Scheduler deployment for multi-GPU and multi-node jobs – Base Command Manager simplifies the deployment and management of multi-GPU and multi-node scheduling, including administration of users and jobs.

Monitoring, logging, and alerting – Base Command Manager offers highly customizable, graphical monitoring of system status, including deep insights into the current and historical status of workloads, system and GPU metrics, and user-configurable alerts.

An Essential Part Of Every DGX SuperPOD

NVIDIA Base Command Manager offers comprehensive management for DGX SuperPOD. It's an essential part of the DGX SuperPOD experience, providing the tools and prescriptive configuration information needed to maximize performance and utilization. Base Command Manager is the same technology that NVIDIA uses to manage thousands of systems for our award-winning data scientists and provides an immediate path to a TOP500 supercomputer for organizations that need the best of the best.

Ordering information

NVIDIA Base Command Manager is available exclusively with NVIDIA DGX SuperPOD. Contact your NVIDIA representative to learn more about how DGX SuperPOD and Base Command Manager can help you create an AI center of excellence for your organization.

Learn more

To learn more about NVIDIA Base Command Manager, visit: **nvidia.com/DGXSuperPOD**

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