NetApp

NETAPP DEPLOYMENT AND IMPLEMENTATION SERVICE FOR NVIDIA DGX SUPERPOD

Accelerate the integration of NVIDIA DGX SuperPOD™ into your environment with expert deployment and configuration of NetApp® storage and BeeGFS parallel filesystem components.

The challenge

Integrating new AI technology into your IT infrastructure can introduce considerable challenges. It requires significant time and skilled personnel, both of which are frequently in short supply, especially for IT teams that are managing technologies from various vendors. These challenges result in limited opportunities to cultivate expertise in installing and implementing each solution separately. Even if staff members know the necessary tasks for different technology options, the time and resources required to keep their skills current might not yield the best value for your organization.

The solution

The NetApp Deployment and Implementation Service for NVIDIA DGX SuperPOD provides the expertise that you need to get the NetApp storage components up and running quickly. You get a tailored project plan that aligns with your AI and business goals, complemented by dedicated NetApp resources to evaluate and implement the NetApp storage components of your NVIDIA DGX SuperPOD solution.

Trust the experts

The NetApp Deployment and Implementation Service for NVIDIA DGX SuperPOD is designed to help you reach and enhance your AI objectives, delivering a solid return on investment and significant business outcomes. By using automation tools like Ansible, along with clearly defined procedures, we create a streamlined, standardized delivery model globally, resulting in a consistent and dependable deployment experience. This strategy boosts efficiency, allowing you to quickly realize the value of the NetApp technologies that deliver the storage for your NVIDIA DGX SuperPOD solution.

You can rely on NetApp Professional Services experts to deploy and integrate the NetApp storage for your solution into your environment quickly and cost-effectively. At the end of the engagement, you'll have an NVIDIA DGX SuperPOD storage solution that is properly integrated, configured, and optimized to meet your business needs.

Streamlined service delivery model

The service is delivered in two phases. Each phase follows proven methodologies and best practices to make sure that your solution delivers the results you expect.

Deployment phase

- **Planning.** Jointly perform a site preparation and deployment review. This may require multiple site visits.
- **Deployment.** Includes the following tasks:
  – Racking, cabling, and the initial configuration of NetApp EF-Series storage appliances according to the NetApp Validated Architecture for NVIDIA DGX SuperPOD guidelines.
  – Racking, cabling, and the initial configuration of Linux systems.
  – Installation of the RHEL operating system, the BeeGFS filesystem, and high-availability software.
  – Racking and cabling of an additional NetApp ONTAP® appliance for the NAS storage to be configured as the staging area for the NVIDIA DGX SuperPOD.*
- **Validation.** Verify that the storage systems are correctly powered on, have management interface connectivity, and are configured to conform with the validated architecture for NVIDIA DGX SuperPOD.

Implementation phase

- **Planning.** Verify the prerequisites for the deployment of the Ansible scripts. Install the Ansible Tower software.*
- **Implementation.** Run the Ansible scripts to complete the implementation and create a highly available storage building block. Work with NVIDIA or an assigned partner to complete the NVIDIA Quantum InfiniBand Networking Platform for connection to the DGX systems. Includes migration of up to 20TB of data to the configured storage.
- **Validation.** NetApp assists NVIDIA in testing the storage functionality for the solution.
- **Standby.** NetApp remains available to resolve any issues during further multi-node testing of the solution.
- **Knowledge transfer.** NetApp professionals provide all the necessary documentation and information.
- **Closeout.** Remove the Ansible Tower software.* Deliver a fully functional storage solution for the NVIDIA DGX SuperPOD system.

* If applicable.

Related NetApp Professional Services

- **Data Migration as a Service.** Migrate your workloads to the newly deployed and configured NetApp storage. This comprehensive offering allows you to migrate any NAS or SAN data to the new storage, regardless of the source platform. This service is sold at a fixed price per TB and any required license for a migration tool is included.
- **Residency Services.** Looking for a designated, named resource to augment your staff and operate as an extension of your team? NetApp Residency Services provide ongoing, day-to-day administration and consulting skills to make sure your NetApp environment is designed, integrated, and optimized for performance, security, and data protection.
- **Managed Services.** Extend your staff and bring in a team of experts to manage, operate, and optimize your NetApp storage environment 24×7×365 with a proactive, outcome-based service model.

About NetApp Services

Whether you're planning your next-generation data center, need specialized know-how for a major storage deployment, or want to optimize the operational efficiency of your existing infrastructure, NetApp Services and NetApp Professional Services Certified Partners can help.

Contact your local NetApp sales representative or visit www.netapp.com to get started today.

NetApp