Deploy NGC on On-Premises Servers

Documentation Introduction
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Chapter 1. NGC Software is Certified on On-Premises Systems and the Cloud

NVIDIA certification programs validate the performance of AI, ML and DL workloads using NVIDIA GPUs on data center and edge servers and public clouds. It allows server manufacturers and public clouds to qualify their NVIDIA GPU equipped systems on a wide variety of AI workloads ranging from training to inference on on-premise servers and public cloud infrastructures.
Chapter 2. NVIDIA-Certified Systems

NVIDIA is working with its partners to certify the industry’s most advanced AI systems - EGX servers running NVIDIA A100 and HGX servers built with HGX A100-4 and HGX A100-8 baseboards - both as single-node servers and in cluster configurations using Mellanox ConnectX-6, ConnectX-6DX, and Bluefield 2 network adapters and Mellanox Quantum HDR InfiniBand and Mellanox Spectrum® Ethernet switches.

The NVIDIA-Certified Systems program is the evolution of the NGC-Ready program that tests single node servers against a diverse range of workloads. The NVIDIA-Certified Systems program introduces new tests of multi-node deep learning training, distributed training and inference workloads, high-speed remote storage access, and cluster health, performance, and security tests.

► For the current list of NVIDIA-Certified systems, visit

https://docs.nvidia.com/ngc/ngc-deploy-on-premises/nvidia-certified-systems/
Chapter 3. NGC-Ready Servers

The NGC-Ready program validates the performance of AI, ML and DL workloads using NVIDIA GPUs on leading on-premises servers. It allows server manufacturers to qualify their NVIDIA GPU equipped systems on a wide variety of AI workloads ranging from training to inference on on-premise servers, cloud infrastructure and edge devices.

Servers certified as NGC-Ready for Edge undergo additional testing for the security and remote system management capabilities required for remote deployment at the edge.

Performance-validated NGC-Ready systems accelerate time to solution, increase business agility, and are backed by enterprise-grade support, reducing the risk of deploying complex AI solutions.

- For the current list of NGC-Ready systems, visit https://docs.nvidia.com/ngc/ngc-ready-systems/index.html
- For detailed guidelines for configuring NGC-Ready systems, visit https://docs.nvidia.com/ngc/ngc-ready-recommended-configs/
- For a detailed specification for configuring a NGC-Ready server using the NVIDIA T4 GPU, visit https://docs.nvidia.com/ngc/ngc-t4-platform-design-guide/index.html

DGX Systems

All NGC content is tested on NVIDIA DGX systems, NVIDIA’s best-in-class portfolio of purpose-built AI systems. To learn more about NVIDIA DGX systems visit: https://www.nvidia.com/en-us/data-center/dgx-systems/.

Deploying NGC on a Public Cloud

For documentation on deploying NGC on a public cloud, visit Deploying NGC on a Public Cloud
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