



# NGC-READY SYSTEMS

## Enabling Enterprise IT to Easily Deploy and Run GPU-Optimized AI and Machine Learning Software

AI is finding widespread adoption across industries—even those that have traditionally been slow to adopt new technologies. Whether it's early fraud detection in financial services or better forecasting in retail, business leaders are quickly realizing the benefits of AI.

As a result, IT managers need infrastructure that can be set up fast and deliver maximum performance with minimal downtime, so their data scientists and developers can focus on building their AI-powered solutions.

## Performance-Validated

Powered by NVIDIA V100 Tensor Core, T4 Tensor Core, and Quadro RTX™ 6000 and 8000 GPUs, NGC-Ready™ partner systems are up to 35X faster for machine learning training and 10X faster for deep learning training over CPU-only systems. Additionally, NVIDIA V100 and T4 Tensor Core GPUs leverage automatic mixed precision to deliver up to 40X faster deep learning inference.

## Purpose Built for AI

NGC-Ready systems are tested and validated for performance of deep learning frameworks, machine learning, and inference algorithms. This means that enterprise IT can deploy the systems knowing that their users can develop and deploy state-of-the-art AI software. For the full list of AI frameworks, visit [ngc.nvidia.com](https://ngc.nvidia.com).



## Adoption Across Industries



### CONSUMER INTERNET

- > Ad personalization
- > Click-through rate optimization
- > Churn reduction



### FINANCIAL SERVICES

- > Claim fraud
- > Customer service chatbots/routing
- > Risk evaluation



### HEALTHCARE

- > Clinical care
- > Operational efficiency
- > Accelerated drug delivery



### SUPPLY CHAIN AND INVENTORY MANAGEMENT

- > Price management/markdown optimization
- > Promo prioritization and ad targeting



### MANUFACTURING

- > Remaining useful life estimation
- > Failure prediction
- > Demand forecasting



### TELECOM

- > Network/security anomaly detection
- > Network performance forecasting
- > Network resource optimization



### AUTOMOTIVE

- > Intelligent customer interactions
- > Connected vehicle maintenance
- > Demand and capacity forecasting

## Core-to-Edge Deployment

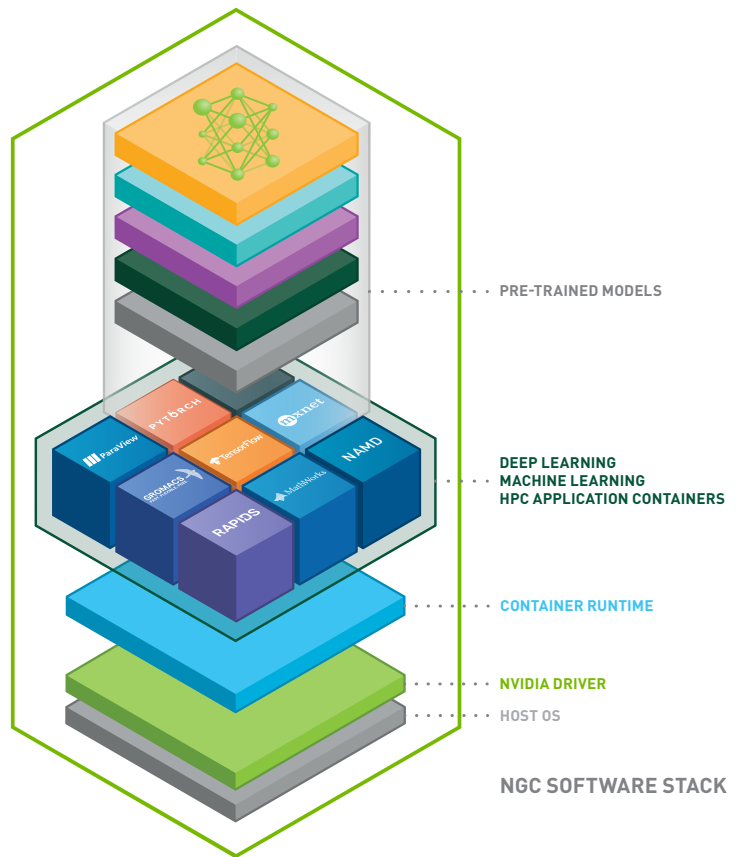
NGC-Ready systems are tested for a wide variety of applications for on-premises, cloud, and edge deployments. This allows enterprise IT to easily migrate workflows across compute environments, because the hardware and software stack can be quickly replicated.

## Continuously Optimized Frameworks

NGC™ offers deep learning and machine learning software containers that are constantly optimized, delivering access to the latest features and yielding superior performance. Tested with AI software and tools from NGC, NGC-Ready systems give users the confidence to simply pull and run the latest version on their NVIDIA GPU-powered systems.

## Enterprise-Grade Support

NGC Support Services provide customers with enterprise-grade assistance, ensuring optimal performance and maximum utility with NGC-Ready systems. This level of support gives IT teams access to subject matter experts so that they can quickly address all issues, including escalation, and minimize system downtime.



Deploy AI infrastructure now at [www.nvidia.com/ngc](http://www.nvidia.com/ngc)