



# NVIDIA and Global Computer Makers Launch Industry-Standard Enterprise Server Platforms for AI

## NVIDIA-Certified Servers with NVIDIA AI Enterprise Software Running on VMware vSphere Simplify and Accelerate Adoption of AI

GTC -- NVIDIA today introduced a new class of [NVIDIA-Certified Systems](#)™, bringing AI within reach for organizations that run their applications on industry-standard enterprise data center infrastructure.

These include high-volume enterprise servers from top manufacturers, which were announced in January and are now certified to run the [NVIDIA AI Enterprise](#) software suite — which is exclusively certified for [VMware vSphere 7](#), the world's most widely used compute virtualization platform.

Further expanding the NVIDIA-Certified servers ecosystem is a new wave of systems featuring the [NVIDIA A30](#) GPU for mainstream AI and data analytics and the [NVIDIA A10](#) GPU for AI-enabled graphics, virtual workstations and mixed compute and graphics workloads, also announced today.

“AI is rapidly moving into mainstream use, accelerating demand for the infrastructure and software businesses require to deploy it at scale,” said Manuvir Das, head of Enterprise Computing at NVIDIA. “With NVIDIA AI Enterprise and VMware vSphere 7 on NVIDIA-Certified Systems, customers can now run virtualized AI applications on industry-standard servers — enabling hundreds of thousands of companies to host new AI services on their VMware platforms.”

[Atos](#), Dell Technologies, [GIGABYTE](#), H3C, [Inspur](#), [Lenovo](#), [QCT](#) and [Supermicro](#) are the first to offer NVIDIA-Certified mainstream servers supporting the [NVIDIA EGX™ platform](#), enabling enterprises for the first time to run AI workloads on the same infrastructure used for traditional business applications.

Among the first incorporating these systems into their data centers are Lockheed Martin and Mass General Brigham.

NVIDIA and VMware's collaboration provides customers an AI-ready enterprise platform to accelerate AI, container-based and traditional enterprise workloads, while also supporting virtualized AI applications with scale-out performance that is nearly indistinguishable from bare-metal servers.

“Customers don't want AI silos – they want to run AI apps on their enterprise infrastructure for manageability, scalability, security and governance,” said Krish Prasad, senior vice president and general manager of the Cloud Platform Business Unit at VMware. “VMware and NVIDIA have teamed up so that customers can now evolve their existing enterprise infrastructure with an end-to-end AI-Ready Enterprise platform that's easy to deploy and operate.”

### NVIDIA-Certified EGX Systems Portfolio to Incorporate New Enterprise GPUs

Based on the [NVIDIA Ampere architecture](#), the enterprise-class A30 delivers versatile performance at an optimal price for industry-standard servers. Each provides 24GB of HBM2 GPU memory and fast PCIe Gen 4 memory bandwidth while supporting four 6GB GPU instances with [NVIDIA Multi-Instance GPU](#) technology.

A30 supports a broad range of AI inference, training and traditional enterprise compute workloads. It can power AI use cases such as recommender systems, conversational AI and computer vision systems.

For AI training, its third-generation NVIDIA Tensor Cores support single-precision floating-point 32 calculations and an innovative new math mode known as [TensorFloat-32](#), which boosts performance 20x over the previous-generation NVIDIA T4 GPUs.

The enterprise-grade NVIDIA A10 Tensor Core GPU powers accelerated graphics, rendering, AI and compute workloads in mainstream NVIDIA-Certified Systems. Built on the latest NVIDIA Ampere architecture, it provides 24GB of memory to accelerate the work of designers, engineers, artists and scientists.

### Industry Leaders Embrace Virtualized AI

Industry innovators spanning healthcare, professional services, manufacturing and more are deploying NVIDIA-Certified Systems and NVIDIA and VMware's AI-ready enterprise platform to power virtualized AI and data science.

“NVIDIA's accelerated computing platform gives us the flexibility to support a broad range of mission-critical applications,” said Steven Walker, chief technology officer at Lockheed Martin. “From enabling real-time collaborative design and simulation, to deep learning capabilities that are revolutionizing predictive maintenance, cybersecurity and humanitarian assistance missions, NVIDIA-Certified Systems and software are critical to scaling infrastructure.”

“Virtualization is enabling healthcare systems to deliver services to clinicians and patients at scale, across radiology

departments and facilities,” said Tom Schultz, director of Information Systems, Enterprise Medical Imaging, and Clinical Data Science at Mass General Brigham. “It has the potential to significantly increase the adoption of GPU-based AI applications. This allows for better utilization of technology infrastructure and minimizes the need for dedicated GPU systems for each project, which means AI can be applied more broadly to improve patient services.”

### **Availability**

More than 20 [NVIDIA-Certified Systems](#) are available now from worldwide computer makers.

NVIDIA-Certified Systems featuring NVIDIA A30 and NVIDIA A10 GPUs will be available later this year from manufacturers.

NVIDIA AI Enterprise is available as a perpetual license at \$3,595 per CPU socket. Enterprise Business Standard Support for NVIDIA AI Enterprise is \$899 annually per license. Customers can [apply for early access](#) to NVIDIA AI Enterprise as they plan their upgrades to VMware vSphere 7 Update 2.

[Register for free](#) to learn more about the [NVIDIA EGX platform](#), NVIDIA-Certified Systems and NVIDIA AI Enterprise for VMware vSphere during GTC21, taking place online April 12-16. Tune in to watch NVIDIA founder and CEO Jensen Huang’s [GTC21 keynote](#) address streaming live on April 12 starting at 8:30 a.m. PT.

### **About NVIDIA**

[NVIDIA](#)’s (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market and has redefined modern computer graphics, high performance computing and artificial intelligence. The company’s pioneering work in accelerated computing and AI is reshaping trillion-dollar industries, such as transportation, healthcare and manufacturing, and fueling the growth of many others. More information at <https://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to: the benefits, performance and abilities of our products and technologies, including NVIDIA-Certified servers, NVIDIA AI Enterprise software, NVIDIA A30 GPUs and NVIDIA A10 GPUs; NVIDIA-Certified Systems bringing AI within reach for organizations; the systems featuring the NVIDIA A30 and A10 GPUs and what they are used for; AI moving into mainstream use and accelerating demand for businesses to deploy it; what NVIDIA AI Enterprise and VMware vSphere allow customers to run and the number of companies enabled to host AI services; the companies offering servers and enabling enterprises to run AI workloads; the companies incorporating these systems into their data centers; the benefits and impact of NVIDIA and VMware’s collaboration; industry innovators using NVIDIA-Certified Systems; what NVIDIA’s accelerated computing platform enables and its impacts; NVIDIA AI extending and enabling virtualization and its impacts; the number of customers who need tools; NVIDIA-Certified Systems available now and future availability; and the price of NVIDIA AI Enterprise are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing product and technologies; market acceptance of our products or our partners’ products; design, manufacturing or software defects; changes in consumer preferences or demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time in the most recent reports NVIDIA files with the Securities and Exchange Commission, or SEC, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q. Copies of reports filed with the SEC are posted on the company’s website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

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