

NVIDIA with Microsoft Announces Technology Collaboration for Era of Intelligent Edge

Microsoft's Intelligent Edge Solutions Extended with NVIDIA T4 GPUs to Help Accelerate AI Across Industries

Mobile World Congress--NVIDIA with Microsoft Corp. today announced a technology collaboration focused on intelligent edge computing, designed to help industries better manage and gain insights from the growing flood of data created by retail stores, warehouses, manufacturing facilities, connected buildings, urban infrastructure and other environments.

By enabling closer integration between [Microsoft Azure](#) and the [NVIDIA EGX platform](#), the companies are working together to advance edge-to-cloud AI computing capabilities, benefiting businesses worldwide.

The [NVIDIA Metropolis video analytics application framework](#), which runs on EGX, has been optimized to work with Microsoft's Azure IoT Edge, Azure Machine Learning solutions and a new form factor of the Azure Data Box Edge appliance powered by [NVIDIA T4 GPUs](#). Additionally, NVIDIA-certified off-the-shelf servers -- optimized to run Azure IoT Edge and ML services -- are now available from more than a dozen leading OEMs, including Dell, Hewlett Packard Enterprise and Lenovo.

"The age of intelligent edge computing has arrived. The world's largest industries want to have AI computing at the edge, to extract insight from continuous streams of data, and to sense, reason and act at the point of action," said Jensen Huang, founder and CEO of NVIDIA. "In time, this will be the largest-scale computing ever created, connecting trillions of smart sensors. NVIDIA's and Microsoft's platforms dovetail to offer customers an end-to-end solution from edge to cloud."

"In a world where computing is becoming embedded in every place and every thing, organizations require a distributed computing fabric that spans the cloud and edge," said Satya Nadella, CEO of Microsoft. "Together with NVIDIA, we're bringing the power of Azure and Azure AI to the edge, enabling breakthrough experiences for our customers."

NVIDIA EGX is a scalable platform that brings AI computing capabilities to the edge, starting with a tiny [Jetson Nano™](#) and scaling to a rack of T4 servers. It is supported by a complete software stack with [CUDA-X™](#) libraries, containers, Kubernetes, and cloud solutions such as Azure IoT.

The NVIDIA Metropolis framework includes the [NVIDIA DeepStream software developer kit](#), which has been adopted by 100+ intelligent video analytics software providers. Among these are AnyVision, DeepVision, IronYun, Malong and RealNetworks, which are providing solutions for retail, manufacturing and smart cities.

Microsoft Azure Machine Learning solutions allow businesses to rapidly build AI models at scale, from the cloud to the edge. The Microsoft Azure IoT platform enables applications to run from any NVIDIA-certified server or appliance, and on OEM devices that provide connectivity, scalability and maintainability from the cloud. Azure Data Box Edge is an AI-enabled edge computing appliance that processes and analyzes data at the edge and transfers data to cloud when connected.

About NVIDIA

[NVIDIA's](#) (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionized parallel computing. More recently, GPU deep learning ignited modern AI — the next era of computing — with the GPU acting as the brain of computers, robots and self-driving cars that can perceive and understand the world. More information at <http://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to: Microsoft's intelligent edge solutions being extended with NVIDIA T4 GPUs and it helping to accelerate AI across industries; the benefits and impact of NVIDIA and Microsoft's collaboration and it being designed to manage large amounts of data; Microsoft Azure and NVIDIA EGX platform enabling closer integration of the companies, advancing AI computing capabilities and benefiting businesses worldwide; the availability of NVIDIA servers from OEMs; the world's largest industries wanting AI computing at the edge and it being the largest-scale computing ever created connecting trillions of smart sensors; NVIDIA's and Microsoft's platforms dovetailing to offer customers an end-to-end solution from edge to cloud; organizations requiring a distributed computing fabric that spans the cloud and edge; NVIDIA and Microsoft bringing the power of Azure and Azure AI to the edge, enabling breakthrough experiences for customers; the benefits, performance and abilities of NVIDIA EGX, NVIDIA Metropolis and Azure Data Box Edge; the number of developers that have adopted the NVIDIA DeepStream software developer kit; Microsoft Azure Machine Learning solutions allowing businesses to rapidly build AI models at scale; and Microsoft Azure IoT enabling applications to run from any NVIDIA- certified server or appliance and on OEM devices 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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