



DELIVERING THE WORLD'S MOST POWERFUL VIRTUAL DESKTOPS

NVIDIA delivers the best overall and proven solution for customers in terms of performance, solution capabilities, and enterprise support.



CONTINUOUS INNOVATION

NVIDIA virtual GPU (vGPU) software provides a regular cadence of new features and enhancements without depending on new GPU hardware. NVIDIA provides the only virtual workstations powered by NVIDIA RTX technology — one of the most important advancements in computer graphics, ushering in a new generation of applications that simulate the physical world at unprecedented speeds. With NVIDIA vGPU acceleration via NVIDIA RTX Virtual Workstation (vWS) software, modern workloads such as augmented reality (AR) and virtual reality (VR) can be run in a virtual machine when combined with NVIDIA's CloudXR solution. IT can enable a new era of collaboration and simulation, delivered from the data center, when RTX vWS is combined with NVIDIA Omniverse™ Enterprise software.



EXCEPTIONAL USER EXPERIENCE WITH NVIDIA RTX

vGPU software provides the ultimate user experience—33 percent better performance than CPU-only virtual desktop infrastructure (VDI) for knowledge worker use cases. The same NVIDIA Quadro® and RTX technology that powers 90 percent of the world's professional workstations also enables a native experience in virtual workstations and supports hundreds of ISV applications, including Dassault Systèmes SOLIDWORKS and CATIA, Siemens NX, Autodesk AutoCAD and Maya, ANSYS Fluent, Mechanical, and Discovery Live, and ESRI ArcGIS Pro.



DO MORE WITH THE DATA CENTER WITH LESS INFRASTRUCTURE

Run modern data center workloads in an accelerated data center, including AI, deep learning, design, and simulation workflows using the same GPU-powered infrastructure, boosting your capacity with the increased utilization.



SUPERIOR PERFORMANCE WITH NEXT-GENERATION COMPUTER GRAPHICS

NVIDIA GPUs provide the highest performance for both graphics and CUDA®-based AI, DL, and high-performance computing (HPC) workloads. Achieve consistent performance with flexible vGPU scheduler options to best suit each environment. Leverage the latest NVIDIA Ampere architecture with support for RT Cores and Tensor Cores.



ENTERPRISE SUPPORT

With the vGPU solution, you can protect your investment with 24/7 enterprise support, including direct communication with NVIDIA technical experts and rapid resolution time.



MANAGEMENT AND MONITORING

The technology makes true end-to-end management and monitoring possible with real-time insight into GPU performance, migration technology, and partner integrations—including Citrix Director, VMware vROPS/vRealize, and more.



PROVEN RELIABILITY

The vGPU solution frees IT from the burden of crashes with proven reliability. More than 50 customer success stories covering a multitude of industries and many GTC presentations have been published globally.



THE BROADEST ECOSYSTEM

NVIDIA vGPU has the largest partner ecosystem with support for all major hypervisors, over 140 certified servers, independent software vendors (ISVs) for 3D applications, VDI monitoring solutions, multiple open standards. vGPU also available in every major cloud platform (AWS, Azure, Google, IBM, and Oracle) and over 33 regional cloud service providers (CSPs).