NVIDIA GRID vGPU Technology Available Worldwide

*Launch of Virtual GPU Technology on Citrix XenDesktop, Citrix XenServer
Lets IT Organizations Deliver Secure, Mobile, Graphics-Intensive Applications*

SANTA CLARA, Calif.—Dec. 16, 2013—Businesses worldwide can now offer their designers and engineers – including those working remotely – cost-effective, secure, graphics-intensive applications using [NVIDIA® GRID™ vGPU™](#) (virtual GPU) technology. It launches today with the general availability of [Citrix XenDesktop® 7.1](#) and Citrix XenServer® 6.2.

NVIDIA GRID vGPU technology lets employees use essentially any computing device, including their own notebooks and portable devices, to access all their office productivity and design applications virtually – just as they would at their desks – from anywhere at any time.

Businesses have increasingly relied on desktop virtualization technologies to provide employees with anytime access to computing resources. However, until NVIDIA GRID, virtual apps and desktops had to rely on CPU-based graphics to scale on servers. Performance and compatibility constraints made it impractical to virtualize applications such as building information management (BIM), product-lifecycle management (PLM) and video-photo editing.

Prior to GRID vGPU on Citrix XenDesktop, customers could deploy GRID to virtualize GPU access to end users on a one-to-one basis. Now, they can quickly share access on one GPU to many end users, and easily reallocate access depending on changing project needs.

"Since the launch of our technology preview of XenDesktop and XenServer, we've demonstrated to customers worldwide that graphically demanding desktops and applications can be virtualized cost effectively and with high scalability using NVIDIA GRID vGPU," said Calvin Hsu, vice president product marketing, Desktops and Apps at Citrix. "With the general availability of

XenDesktop 7.1 and XenServer 6.2, businesses everywhere can download a 60-day trial and experience the performance advantages for themselves."

NVIDIA GRID vGPU is the industry's only offering that enables GPU sharing without sacrificing application compatibility or the user experience.

For the architecture, engineering and construction industries and the aerospace, manufacturing and design industries, the technology delivers the flexibility to reallocate resources to users based on constantly changing project needs. For institutions in higher education, NVIDIA GRID vGPU enables scalable lab environments that deliver tools to students wherever they learn best.

Certified by leading ISVs, NVIDIA GRID vGPU technology allows multiple virtual machines to share a GPU and run the full NVIDIA graphics driver, just as they would at their desk.

"Designers, engineers and creative professionals are thought leaders who drive innovation in business, but historically they've been limited in where they can work due to the relatively large computers they needed to do their jobs," said Jeff Brown , vice president of the Professional Visualization and Design business at NVIDIA. "With NVIDIA GRID vGPU, these innovators can now work wherever they find insight – onsite with clients, at home or around the office."

Broad Industry and ISV Support for NVIDIA GRID vGPU

"Virtual desktop infrastructure and dynamic allocation of GPU power to virtual machines via vGPU became a necessity for our growing IT department. Our engineers require graphics power that varies each day from project to project, and simply buying and maintaining more workstations and graphics cards had become costly and unmanageable. GRID streamlined our IT support, giving our users a boost of GPU power on the fly. It's as simple as allocating additional GPUs in XenServer, and the GPU upgrade is there once the virtual machine is powered up again."

        — Serdar Kaya, IT system engineer at Turkish Aerospace Industries

"Roger Williams University conducted a search for a viable VDI solution that could support our graphics and found NVIDIA GRID vGPU. With NVIDIA GRID, students can use any of our required

applications, anywhere — giving each student the flexibility to work outside of a computer lab or library, no matter what they're working on in relation to their coursework."

— James Galib, IT director at Roger Williams University

"Adobe Creative Cloud delivers the best tools and services for creatives to explore new mediums and go wherever their ideas take them. With the NVIDIA GRID line of products, creative imaging professionals now have even more ways to access ultra-efficient, high-performance versions of Photoshop."

— Pam Clark, director of Product Management, Photoshop, at Adobe

"Autodesk is continuously working to provide customers with access to the tools they need, when and where they need them. Utilizing the NVIDIA GRID vGPU is one more way we can provide access to our best-in-class design applications anytime, anywhere and on any device, without compromise."

— Jay Tedeschi, senior industry technology evangelist at Autodesk

New Resources Available

NVIDIA is providing a number of resources for press, analysts, executives and IT professionals to learn more about NVIDIA vGPU technology:

- Hear from a panel of experts on virtualizing 3D professional graphics apps. Citrix and NVIDIA executives detail the value to enterprise customers of Citrix XenDesktop 7.1, Citrix XenServer 6.2 and NVIDIA GRID technology.
- A plain-English explanation of graphics virtualization, including a glossary of terms and "cheat sheet" for the press, available here.
- A free whitepaper for IT professionals *NVIDIA GRID: Graphics-accelerated VDI with the Visual Performance of a Workstation* by veteran semiconductor industry expert and author Alex Herrera, available here.
- A case study titled *Turkish Aerospace Relies on NVIDIA GRID for VDI Build Out.*
- A list of all the server models that support NVIDIA GRID and are widely available from leading providers such as Dell, Cisco, HP and IBM is available at www.nvidia.com/buygrid.

- More information on NVIDIA GRID technology is available at www.nvidia.com/vdi.

Blogs covering vGPU from NVIDIA GRID partners:

- Citrix, available here.

- Hewlett-Packard, available here.

- Cisco available, here.

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About NVIDIA

Since 1993, NVIDIA (NASDAQ: NVDA) has pioneered the art and science of visual computing. The company's technologies are transforming a world of displays into a world of interactive discovery — for everyone from gamers to scientists, and consumers to enterprise customers. More information at http://nvidianews.nvidia.com and http://blogs.nvidia.com.

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