



Top Enterprise Technology Companies Embrace NVIDIA GRID

Citrix, Microsoft, VMware Offer GRID-Enabled Solutions; Dell, HP, IBM Offer GRID-Based Servers

SAN JOSE, CA -- NVIDIA today announced that enterprises can for the first time seamlessly deliver GPU-accelerated virtual desktops and professional-graphics applications from the cloud to any device, anytime, anywhere.

By using [NVIDIA GRID™ technology](#), businesses are able to realize the benefits of virtualization -- security, manageability and flexibility -- while delivering the full PC experience that users expect.

Dell, HP and IBM are offering NVIDIA [GRID-based servers](#). Citrix, Microsoft and VMware are offering NVIDIA [GRID-enabled software](#).

"IT departments face a growing challenge: employees increasingly bring their own devices to work, and expect mobility and a great experience," said Jen-Hsun Huang, co-founder and chief executive officer, NVIDIA. "Virtualization enables them to provide secure, consistent access to company resources, but at the expense of performance and features. GRID eliminates this compromise."

At the heart of NVIDIA GRID enterprise solutions are [NVIDIA GRID VGX software](#) -- a complete stack of GPU virtualization, remoting and management libraries -- and [NVIDIA GRID K1 and K2 boards](#), which are purpose-built for demanding server environments.

NVIDIA VGX™ software unlocks the virtualization and remoting capabilities of NVIDIA GRID GPUs and is licensed by Citrix for use in XenDesktop®, XenApp® and XenServer®; VMware for use in vSphere® and Horizon View™; and Microsoft for use in RemoteFX.

NVIDIA GRID K1 boards, which include four [NVIDIA Kepler™](#) architecture-based GPUs and 16GB of memory, are designed to host the maximum number of concurrent users. NVIDIA GRID K2 boards, which include two higher end Kepler GPUs and 8GB of memory, are designed to serve the specific needs of users of graphics-intensive applications.

Dell, HP and IBM announced servers with the NVIDIA GRID K1 and K2 boards, including:

- Dell PowerEdge R720
- HP ProLiant WS460c Gen8 and HP ProLiant SL250 Gen8
- IBM iDataPlex dx360 M4

To meet growing customer demand for certified applications, NVIDIA has launched a certification program and testing center where leading OEMs and ISV partners can validate and certify solutions. To accelerate deployment-ready validated designs, NVIDIA and Citrix are working together to establish an NVIDIA and Citrix Ready® verification program offering fast track validation to OEMs and ISVs on NVIDIA GRID K1 and K2 cards and Citrix XenDesktop solutions.

Leading Virtualization Companies Support NVIDIA GRID K1 and K2

"Enterprises want to take advantage of the growing trends towards globalization and mobility by virtualizing desktops and applications so users can work from anywhere, anytime on any device -- while enabling the company to secure its core IP," said Bob Schultz, group vice president and general manager, Desktops and Apps at Citrix. "By leveraging NVIDIA GRID K1 and K2, combined with Citrix XenDesktop and Citrix XenApp with HDX technology, enterprises can deliver the most graphics-intensive applications to users who require rich, interactive experiences from any device."

"Windows Server 2012 introduced groundbreaking new technologies including Microsoft RemoteFX, which delivers a new level of rich graphics experiences to VDI users," said Klaas Langhout, principal program manager of Server and Tools at Microsoft. "RemoteFX and PC graphics powered by NVIDIA GRID K1 and K2 boards help enterprises serve media-rich and 3D applications on users' virtual desktops. This helps VDI users achieve interactive performance that rivals what they experience locally."

"One of the major advancements in the recent release of VMware Horizon View 5.2 is the addition of graphics acceleration for virtual desktop users," said Phil Montgomery, senior director of End User Computing at VMware. "By combining NVIDIA GRID-powered servers with VMware Horizon View, we can now deliver the rich and secure experience of Horizon View to users who require a more intensive graphics experience, such as diagnostic medical imaging and design. Graphically intense applications can be securely delivered from anywhere on any type of device, including mobile, from a controlled data center without sacrificing user experience."

Leading OEMs Support NVIDIA GRID K1 and K2

"Enabling customers to virtualize their multiple workloads is a challenge Dell is committed to, and the NVIDIA GRID technology enables our solutions to be more powerful for design and graphics-intensive applications," said Sally Stevens, vice president of Dell PowerEdge marketing. "Starting with the PowerEdge R720 server this month, and later including Dell Precision workstations and end-to-end Dell Desktop Virtualization Solutions (DVS) Enterprise stacks, Dell will offer a range of robust graphics-virtualized solutions, enabling new customer mobility and data security opportunities that accommodate a wide range of graphics performance requirements."

"Customers in industries like manufacturing, engineering, and oil and gas are looking to adopt a virtualized client platform with 3D graphics to lower per seat costs and grow their business," said Chuck Smith, vice president of Blades to Cloud, Industry Standard Servers and Software at HP. "With NVIDIA GRID K1 and K2, powered by the HP ProLiant WS460c Generation 8 Server Blade, these organizations can leverage a bladed infrastructure that can support virtualized client solutions with high-density graphics."

About NVIDIA GRID

The NVIDIA GRID portfolio -- comprised of hardware, software and appliances -- delivers GPU acceleration from data centers to any user. It includes NVIDIA [GRID enterprise solutions](#); the [NVIDIA GRID Visual Computing Appliance \(VCA\)](#) for small and medium-size businesses; and the NVIDIA [GRID Cloud Gaming Platform](#) for gaming-as-a-service companies.

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>.

Certain statements in this press release including, but not limited to, statements as to: the impact and benefits of NVIDIA GRID; and the effects of the company's patents on modern computing 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 reports NVIDIA files with the Securities and Exchange Commission, or SEC, including its Form 10-K for the fiscal period ended January 27, 2013. 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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