



# NVIDIA GRID™ vGPU™ AND VMWARE HORIZON® ENTERPRISE GRAPHICS VIRTUALIZATION



VMware, the market leader in virtualization, and NVIDIA, the world leader in visual computing, have teamed to deliver immersive, high-performance 3D graphics for virtual desktops. This partnership harnesses the power of true GPU virtualization to enable easy access to incredible graphics across devices and locations, more affordably than ever before.

## The NVIDIA and VMware Solution

This joint solution ensures a graphics experience that's equivalent to dedicated hardware, delivered with the cost-effectiveness that only true GPU virtualization can provide. VMware Horizon with NVIDIA GRID vGPU enables organizations around the globe to easily support real-time collaboration with 3D applications at scale.

## The NVIDIA Compatibility Guarantee

The NVIDIA GRID compatibility process ensures that these GPUs and drivers are fully tested and supported by industry-leading Independent Software Vendors (ISVs) in a Virtual Desktop Infrastructure VDI environment. This process validates that users get the same graphics performance and experience in a virtualized environment that they would expect from their PC or workstation. A list of these solutions can be found at [www.nvidia.com/gridcertifications](http://www.nvidia.com/gridcertifications).

## Benefits of NVIDIA GRID for IT:

- Leverage industry-leading VMware virtualization solutions
- Add graphics-intensive users to your virtual environments
- Improve the productivity of all users

## Benefits of NVIDIA GRID vGPU for Users:

- Enjoy responsive windows and rich multimedia experiences
- Access all critical applications quickly and easily
- Take advantage of the applications you need from anywhere, on any device

	NVIDIA COMPATIBILITY GUARANTEE	APPLICATION CERTIFICATIONS	GRAPHICS APIS SUPPORTED
<b>vGPU</b> VMware Horizon (5.3 or higher) with vSphere 6.0	✓	✓	DirectX 9, 10, 11 OpenGL 4.4
<b>vDGA</b> VMware Horizon (5.3 or higher) with vSphere 6.0	✓	✓	DirectX 9, 10, 11 OpenGL 4.4 NVIDIA CUDA 6.5

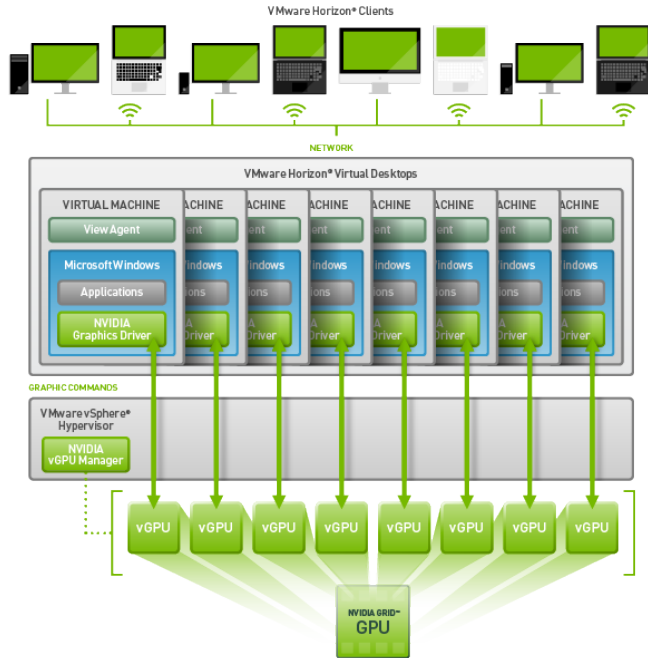
In collaboration with VMware



# VMware Solutions

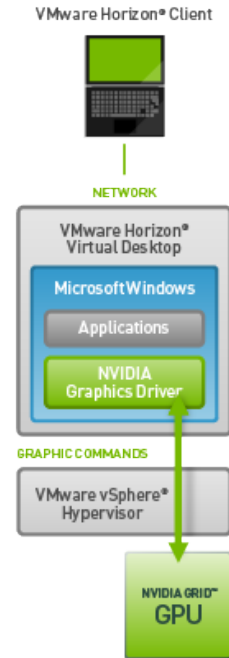
## VMware Horizon with vGPU

With NVIDIA GRID vGPU, the graphics commands of each virtual machine are passed directly to the GPU, without translation by the hypervisor. This allows the GPU hardware to be allocated for each user to deliver the ultimate in shared virtualized graphics performance. GRID vGPU offers the most flexibility of any solution, allowing you to deploy VMs across a wide range of users and graphics applications--from users who need to view PowerPoint slides and YouTube videos to your most demanding engineer using intensive 3D CAD software.



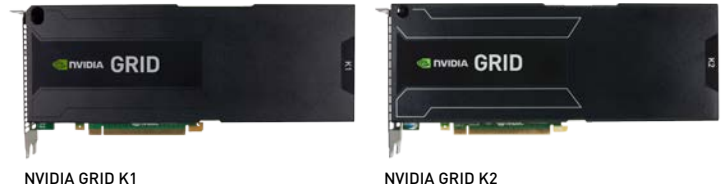
## VMware Horizon with vDGA

NVIDIA GRID™ with VMware Horizon vDGA is ideal for 3D graphics-intensive applications. Virtual Dedicated Graphics Acceleration (vDGA) is highly recommended for dedicated 1:1 GPU mapping and workstation-equivalent performance without the need for a workstation. This solution enables designers, engineers, and architects to work remotely.



## NVIDIA GRID Graphics Boards

GRID graphics boards are designed specifically for the data center. They have an optimized multi-GPU design that helps maximize user density and are designed to provide data center-class power efficiency.



## OEM Systems Partners



Also available from Asus, Fujitsu, Hitachi, Huawei, Inspur, Nutanix, Sugon, Tyan, and Quanta. For a complete list of certified hardware, visit [www.nvidia.com/buygrid](http://www.nvidia.com/buygrid).



VMware and NVIDIA collaborate closely during product development to assure stability and reliability of the platform. As part of a joint Certification Program, NVIDIA GRID solutions are thoroughly tested to ensure customers get the performance they expect.

For more information visit [www.nvidia.com/vdi](http://www.nvidia.com/vdi) or [vmware.com/products/horizon](http://vmware.com/products/horizon)

