NVIDIA GRID CERTIFICATIONS

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Application Note

DOCUMENT CHANGE HISTORY

DA-07184-001_v04

Version	Date	Authors	Description of Change
01	February 27, 2014	SN, SM	Initial Release
02	April 23, 2014	SN, SM	•Updated Introduction •Updated Table 1 and Table 2
03	June 9, 2014	SN, SM	•Added Applied Imagery, IHS, Intergraph, and PTC (Table 1) •Added Intergraph (Table 2) •Updated certification in Table 2
04	June 12, 2014	SN, SM	Added certification note to Table 1 and Table 2

NVIDIA GRID CERTIFICATIONS

The NVIDIA GRID™ certification process is to ensure that NVIDIA GRID graphics processing units (GPUs) and NVIDIA drivers are certified by industry leading independent software vendors (ISVs) in a VDI environment. This certification process guarantees that the graphics performance and experience is the same for users in a virtualized environment as they have at their desk.

The NVIDIA GRID certified driver is based directly on the driver that has over a decade of professional testing. This driver has over 100 ISV certifications across all industries (certified drivers). We are deploying the same, reliable driver in the virtualized environment on a mature hypervisor stack. In the last year of testing our partners have not found one driver bug in a VDI environment and we expect that trend to continue.

Table 1. NVIDIA GRID Dedicated GPU Certifications

ISV	Application	Certified
Adobe	Photoshop	321.10
Analytic Graphics	Satellite Toolkit (STK)	311.35
Applied Imagery	QT Modler	320.78
Ascon	KOMPAS-3D V15	332.07
Autodesk	AutoCAD 2013	310.90
	Inventor 2013	310.90
	Revit 2013	310.90
	AutoCAD 2014	311.35
	Inventor 2014	311.35
	Revit 2014 and 2015	332.21
Bunkspeed	Bunkspeed SHOT 2014	311.35
	Bunkspeed PRO 2014	311.35
	Bunkspeed DRIVE 2014	311.35

ISV	Application	Certified
Chaos	V-ray	311.35
Ensight	Ensight	332.21
ESRI	ArcGIS 10.2	332.50
Graphisoft	ArchiCAD	311.35
IHS	Kingdom Suite*	333.11
Intergraph	SmartPlant 3D*	332.21
Paradigm	VoxelGeo*	332.50
	SKUA*	332.50
PTC	PTC Creo 2.0 (On IBM iDataPlex)*	320.00
	PTC Creo 2.0 (On Dell R7610)*	332.76
Siemens PLM	Siemens NX 8.5 & 9.0*	332.21
	TeamCenter Vis 9*	332.21
Synerscope	Synerscope	320.00
TopSystems	T-FLEX CAD 14*	332.07

Note: *Certification done onsite

Table 2. NVIDIA GRID Virtual GPU Certifications

ISV	Application	Certified
Adobe	Photoshop	332.07
Ascon	KOMPAS-3D V15	332.07
Intergraph	SmartPlant 3D*	332.07
Siemens PLM	Siemens NX 8.5 & 9.0*	332.07
	TeamCenter Vis 9*	332.07
TopSystems	T-FLEX CAD 14*	332.07

Note: *Certification done onsite

A high level overview of the NVIDIA GRID certification process is as follows.

1. The OEMs certify their servers with NVIDIA GRID boards. For a list of GRID certified servers visit http://www.nvidia.com/buygrid.
2. The OEM server complete with NVIDIA GRID boards, passes the qualification tests for hypervisor compatibility and is certified by Citrix and VMware.

   Citrix GPU Hardware Compatibility List

   VMware Compatibility Guide

3. The NVIDIA GRID certification center provides the complete environment for the ISV's to test applications remotely through leading virtualization infrastructures. The ISVs remotely log into NVIDIA's certification center to test NVIDIA's driver with their application on either of the following two deployment models.
   - **NVIDIA GPU Pass-Through Technology:** Each virtual machine has a dedicated GPU by using NVIDIA GPU pass-through technology
   - **NVIDIA GRID™ vGPU™:** Multiple virtual machines share a GPU with NVIDIA GRID virtual GPU (vGPU) technology.

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