



What's New in Virtual GPU Software R525 for All Supported Hypervisors

Release Notes

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Chapter 1. Updates by Release

Updates for each release in this release family of NVIDIA vGPU software may include new features, introduction of hardware and software support, and withdrawal of hardware and software support.

1.1. Updates in Release 15.0

New Features in Release 15.0

- ▶ Support for NVIDIA GPUDirect[®] Storage technology on MIG-backed vGPUs
- ▶ Assignment to a single VM of multiple vGPUs that are allocated a fraction of the physical GPU's frame buffer
- ▶ Support for NVIDIA Virtual Compute Server (vCS) in Windows guest VMs
- ▶ DCH packaging of the NVIDIA vGPU software graphics driver for Windows guest OSes

As a result of this change, the path to the registry key for configuring NVIDIA vGPU software licensing has changed. After an upgrade from a package that is not DCH compliant, license settings must be reconfigured in the registry key at the new path to ensure that a VM in which the driver has been upgraded can acquire a license.

- ▶ Support for a mixture of TCC and WDM operation for Windows VMs to which multiple vGPUs are assigned
- ▶ Unified memory support on the following GPUs:
 - ▶ NVIDIA A100 (all variants)
 - ▶ NVIDIA A30
- ▶ Support for non-transparent local proxy servers when NVIDIA vGPU software is served licenses by a Cloud License Service (CLS) instance
- ▶ Migration of the Virtual GPU Manager for VMware vSphere to the VMware Daemon SDK (DSDK)
- ▶ Miscellaneous bug fixes

Hardware and Software Support Introduced in Release 15.0

- ▶ Support for the following GPUs:

- ▶ NVIDIA A100 PCIe 80GB liquid cooled
- ▶ NVIDIA A800 PCIe 80GB
- ▶ NVIDIA A800 PCIe 80GB liquid cooled
- ▶ NVIDIA A800 HGX 80GB
- ▶ NVIDIA H100 PCIe 80GB
- ▶ Support for Red Hat Enterprise Linux with KVM hypervisor 9.1 and 8.7
- ▶ Support for VMware vSphere 8.0
- ▶ Support for Red Hat Enterprise Linux 9.1 and 8.7 as a guest OS
- ▶ Support for Red Hat CoreOS 4.11 as a guest OS
- ▶ Support for Citrix Virtual Apps and Desktops version 7 2209
- ▶ Support for VMware Horizon 2209 (8.7)

Feature Support Withdrawn in Release 15.0

- ▶ The legacy NVIDIA vGPU software license server is no longer supported.
- ▶ All versions of Microsoft Windows Server 2016 with Hyper-V role are no longer supported as a hypervisor.
- ▶ VMware vSphere Hypervisor (ESXi) 6.7 and 6.5 are no longer supported.
- ▶ Red Hat CoreOS 4.7 is longer supported as a guest OS
- ▶ All versions of Microsoft Windows Server 2016 are no longer supported as a guest OS.
- ▶ NVIDIA Virtual GPU Management Pack for VMware vRealize Operations is no longer supported.

Support is withdrawn because the CIM provider on which the management pack depends has been replaced by a management daemon based on the VMware DSDK framework.

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