



# What's New in Virtual GPU Software R550 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 17.3

### New Features in Release 17.3

- ▶ Security updates - see *Security Bulletin: NVIDIA GPU Display Driver - July 2024*, which is posted shortly after the release date of this software and is listed on the [NVIDIA Product Security](#) page

### Feature Support Withdrawn in Release 17.3

- ▶ Hypervisor software no longer supported:
  - ▶ Red Hat Enterprise Linux with KVM 7.9
- ▶ Guest OSes no longer supported:
  - ▶ Red Hat Enterprise Linux 7.9

## 1.2. Updates in Release 17.2

### New Features in Release 17.2

- ▶ Support for a mixture of different types of time-sliced vGPUs on the same physical GPU on VMware vSphere Hypervisor (ESXi) starting with vSphere 8 Update 3
- ▶ vGPU migration support on the Red Hat Enterprise Linux with KVM and Ubuntu hypervisors
- ▶ Security updates - see *Security Bulletin: NVIDIA GPU Display Driver - June 2024*, which is posted shortly after the release date of this software and is listed on the [NVIDIA Product Security](#) page
- ▶ Miscellaneous bug fixes

## Hardware and Software Support Introduced in Release 17.2

- ▶ Newly supported graphics cards:
  - ▶ NVIDIA L20 liquid cooled
- ▶ Newly supported hypervisor software:
  - ▶ Red Hat Enterprise Linux with KVM 9.4 and 8.10
  - ▶ Ubuntu 24.04
- ▶ Newly supported guest OS releases:
  - ▶ Debian 12
  - ▶ Red Hat Enterprise Linux 9.4 and 8.10
  - ▶ Ubuntu 24.04
- ▶ Newly supported remoting solutions:
  - ▶ Citrix Virtual Apps and Desktops version 7 2402

## Feature Support Withdrawn in Release 17.2

- ▶ Hypervisor software no longer supported:
  - ▶ Red Hat Enterprise Linux with KVM 9.3, 9.0, 8.9, and 8.6
- ▶ Guest OSes no longer supported:
  - ▶ Debian 10
  - ▶ Red Hat Enterprise Linux 9.3, 9.0, 8.9, and 8.6

# 1.3. Updates in Release 17.1

## New Features in Release 17.1

- ▶ Resolution of an issue that affects graphics cards that are supported only by NVIDIA AI Enterprise.

## Hardware and Software Support Introduced in Release 17.1

- ▶ Newly supported hypervisor software:
  - ▶ Microsoft Azure Stack HCI 23H2

## 1.4. Updates in Release 17.0

### New Features in Release 17.0

- ▶ Distribution of a release of the Virtual GPU Manager and the NVIDIA vGPU software graphics driver for Linux that is based on NVIDIA Linux open GPU kernel modules
- ▶ Support for vGPUs with different amounts of frame buffer on the same physical GPU



**Note:** Not all hypervisors support a mixture of different types of time-sliced vGPUs on the same physical GPU. To determine if your chosen hypervisor supports this feature, consult the release notes for your hypervisor.

- ▶ Support in the NVML API and the `nvidia-smi` command for getting information about vGPUs with different amounts of frame buffer on the same physical GPU
- ▶ An option to configure guest VMs or physical hosts to acquire NVIDIA vGPU software licenses when a user logs in instead of at boot time
- ▶ Support for GPU-P on GPUs that are based on the NVIDIA Ada Lovelace GPU architecture on Microsoft Azure Stack HCI
- ▶ Miscellaneous bug fixes

### Newly Supported Hardware and Software in Release 17.0

- ▶ Newly supported graphics cards:
  - ▶ NVIDIA RTX 5880 Ada
- ▶ Newly supported hypervisor software:
  - ▶ Red Hat Enterprise Linux with KVM 9.3
- ▶ Newly supported guest OSes:
  - ▶ Microsoft Windows 11 23H2
  - ▶ Microsoft Windows Server 2022 on Ubuntu
  - ▶ Red Hat Enterprise Linux 9.0-9.2 on Microsoft Azure Stack HCI
  - ▶ Red Hat Enterprise Linux 9.3
  - ▶ Ubuntu 22.04 on Microsoft Azure Stack HCI
- ▶ Newly supported remoting solutions:
  - ▶ VMware Horizon 2312 (8.12)

### Feature Support Withdrawn in Release 17.0

- ▶ Hypervisor software features no longer supported:

- ▶ VMware vSGA
- ▶ Graphics cards no longer supported:
  - ▶ Tesla M6
  - ▶ Tesla M60
  - ▶ Tesla P4
  - ▶ Tesla P6
  - ▶ Tesla P40
  - ▶ Tesla P100 PCIe 12 GB
  - ▶ Tesla P100 PCIe 16 GB
  - ▶ Tesla P100 SXM2 16 GB
- ▶ Hypervisor software no longer supported:
  - ▶ Red Hat Virtualization (RHV)
  - ▶ Windows Server 2019
- ▶ Guest OSes no longer supported:
  - ▶ Windows Server 2019

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