



**Hewlett Packard**  
Enterprise

# NVIDIA VIRTUAL GPU SOFTWARE

**High Performance Computing Software**



# NVIDIA®

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## WHAT'S NEW

- Support for HPE Apollo 6500.
- Support for HPE ProLiant DL380.

## OVERVIEW

Does your HPC/AI environment need virtual GPU (vGPU) capability?

The NVIDIA® Virtual GPU (vGPU) and Virtual Compute Server (vCS) Software enables the NVIDIA GPU to be virtualized to accelerate compute-intensive server workloads such as AI, deep learning (DL), machine learning, and HPC. Grid provides graphics at scale across the enterprise with GPUs for exceptional productivity, security, and IT manageability by delivering powerful virtual experience from the data center or cloud to any device. vCS provides accelerated GPU virtualization and GPU sharing/segmentation for multiple

virtual machines (VMs) by a single GPU, maximizing allocation for AI/DL intensive workloads. vCS provides bare metal performance with operational savings, costs, and improved manageability of VMs. By making GPU performance possible for every virtual machine (VM), vGPU technology enables users to work more efficiently and productively from the data center to the cloud.

## FEATURES

### Powerful and Flexible

NVIDIA Virtual GPU (vGPU) and Virtual Compute Server (vCS) software features GPU-accelerated performance for the virtual enterprise.

NVIDIA Virtual GPU (vGPU) software improves virtual desktops and applications for every user with proven performance built on NVIDIA GPUs for exceptional productivity, security, and IT manageability.

### Significant Operations Savings

The NVIDIA Virtual GPU (vGPU) and Virtual Compute Server (vCS) software virtual GPU technology provides our customers with significant operations savings in downtime, IT staff costs (IDC estimates 49% operations savings over non vGPU). [1]

Replace high-cost workstations for end users with a complete virtualized solution. Help optimize capital and operating expenses involved in providing access to applications to globally distributed users.

### NVIDIA Virtual Compute Server Provides GPU Acceleration and Segmentation for Server Virtualization

NVIDIA Virtual GPU (vGPU) and Virtual Compute Server (vCS) software provides GPU segmentation increasing allocation for AI workloads.

NVIDIA Virtual Compute Server (vCS) enables data centers to accelerate server virtualization with GPUs so that the most compute-intensive workloads, such as AI, DL, and data science can be run in a virtual machine.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

## HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

### Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

**HPE Integration and Performance Services** help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

### Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

## HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

[1] Per IDC whitepaper "NVIDIA Is Helping Organizations Provide Optimized Virtual Client Computing for Graphics and End-User Computing": [nvidia.com/content/dam/en-zz/Solutions/data-center/gated-resources/idc-business-impact-study.pdf](https://www.nvidia.com/content/dam/en-zz/Solutions/data-center/gated-resources/idc-business-impact-study.pdf)

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product  
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