NVIDIA VIRTUAL GPU
HOW TO BUY

OVERVIEW
NVIDIA virtual GPU software enables the delivery of graphics-rich virtual
desktops and workstations accelerated by NVIDIA GPUs, the most powerful
data center GPUs on the market today. With NVIDIA virtual GPU software,
GPU resources can be divided so that GPUs are shared across multiple virtual
machines, or multiple GPUs can be allocated to a single virtual machine to
power the most demanding, compute-intensive workloads.

The portfolio of NVIDIA virtual GPU software products includes:
• NVIDIA Quadro™ Virtual Data Center Workstation (Quadro vDWS)
• NVIDIA GRID® Virtual PC (GRID vPC)
• NVIDIA GRID Virtual Applications (GRID vApps)
• NVIDIA Virtual Compute Server (vComputeServer)

To run these software products, you’ll need an NVIDIA GPU and a
software license that addresses your specific use case.

FIND THE BEST VIRTUAL GPU SOFTWARE
PRODUCT FOR YOUR USERS.

NVIDIA VIRTUAL GPU SOFTWARE FEATURE LIST

<table>
<thead>
<tr>
<th>Configuration and Deployment</th>
<th>Quadro vDWS</th>
<th>GRID vPC</th>
<th>GRID vApps</th>
<th>vComputeServer</th>
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<tbody>
<tr>
<td>Desktop Virtualization</td>
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<td>Server Virtualization</td>
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<td>RDSH App Hosting</td>
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<td>RDSH Desktop Hosting</td>
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<tr>
<td>Windows OS Support</td>
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<td>Linux OS Support</td>
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<td>GPU Pass-Through Support</td>
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<td>Bare-Metal Support</td>
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<td>NVIDIA Graphics Driver</td>
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<td>NVIDIA Quadro Driver</td>
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<td>NVIDIA Compute Driver</td>
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<td>Guaranteed Quality-of-Service Scheduling</td>
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<td>Multi-GPU</td>
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Now available in CSP marketplaces, NVIDIA Quadro Virtual Workstation software provides enterprises that want to pair cloud-based workstations with traditional on-premise infrastructure with even greater flexibility and business agility.

NVIDIA® NVLink™
ECC Reporting and Handling
Page Retirement
Maximum Hardware Rendered Display: Four 4k, Four QHD, Two 4K
Maximum Resolution: 4096 x 2160, 4096 x 2160, 1280 x 1024, 4096 x 2160
Support: NVIDIA Direct Enterprise-Level Technical Support, Maintenance Releases, Defect Resolutions, and Security Patches for up to 3 Years

1. Maximum Hardware Rendered Display
2. Maximum Resolution
3. Supported by NVIDIA Quadro Virtual Workstation

NVIDIA® 
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Immediately we saw a 20 to 30 percent performance improvement in many apps just by updating the code. It was the same board and same hardware. There were no hardware changes. It was incredible.”

STEVE ATHANAS
Director of Platforms and Systems Engineering, UMass Lowell

**FIND THE BEST NVIDIA DATA CENTER GPU FOR YOUR ENVIRONMENT.**

NVIDIA virtual GPU software runs on NVIDIA GPUs, is based on the NVIDIA Turing™, Volta™, Pascal™, and Maxwell™ GPU architectures, and is supported in certified servers.

For more information, learn how to buy the NVIDIA virtual GPU solution in four easy steps.

**NVIDIA VIRTUAL GPU SOFTWARE: EXTENDING THE VALUE OF YOUR VIRTUAL GPU DEPLOYMENT**

An NVIDIA virtual GPU software license gives you access to continuous innovation for your virtual GPU deployment, in addition to ongoing support and maintenance. This software license model enables NVIDIA to deliver on new feature requests without requiring new hardware.

Over the past several years, innovations in NVIDIA virtual GPU software have provided customers with increased user density and better management and monitoring insights for their virtual GPU deployment. NVIDIA has an ongoing software roadmap for continued enhancements that will provide additional value to customers.

**IMPROVE TOTAL COST OF OWNERSHIP WITH EVERY NEW RELEASE**

"Immediately we saw a 20 to 30 percent performance improvement in many apps just by updating the code. It was the same board and same hardware. There were no hardware changes. It was incredible.”

STEVE ATHANAS
Director of Platforms and Systems Engineering, UMass Lowell

**CHOOSE A SOFTWARE LICENSING MODEL**

**ANNUAL ENTERPRISE SUBSCRIPTION**

Annual subscription includes software license and NVIDIA Support, Update, and Maintenance Subscription (SUMS).

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<th>Features/Functionality</th>
<th>NVENC</th>
<th>Tesla M10</th>
<th>Metrics</th>
<th>Future Features</th>
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<tr>
<td>Increase User Density</td>
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<tr>
<td>Lower IT Costs</td>
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</tbody>
</table>

**ANNUAL ENTERPRISE SUBSCRIPTION**

Annual subscription includes software license and NVIDIA Support, Update, and Maintenance Subscription (SUMS).

- **GRID Virtual Applications**
  - $10 per concurrent user subscription
- **GRID Virtual PC**
  - $50 per concurrent user subscription
- **Quadro Virtual Data Center Workstation**
  - $250 per concurrent user subscription
- **vComputeServer**
  - $50 per GPU subscription

**PERPETUAL ENTERPRISE LICENSE**

Perpetual License includes indefinite software license; SUMS is required and is available in three-, four-, or five-year increments. One-year SUMS available only for renewals.

- **GRID Virtual Applications**
  - $20 perpetual license
  - $5 SUMS per year
- **GRID Virtual PC**
  - $100 perpetual license
  - $25 SUMS per year
- **Quadro Virtual Data Center Workstation**
  - $450 perpetual license
  - $100 SUMS per year
- **vComputeServer**
  - Perpetual license not available

For more details on what’s supported in each version of NVIDIA virtual GPU software, see the NVIDIA Virtual GPU Packaging, Pricing, and Licensing Guide. Licensing for cloud-based workstations with NVIDIA Quadro Virtual Workstation software will vary with CSP pricing. Licensing by service providers reselling or hosting NVIDIA virtual GPU services is provided through the NPN Partner Program for Cloud Service Providers.