NVIDIA VIRTUAL GPU
HOW TO BUY

OVERVIEW

NVIDIA® virtual GPU (vGPU) software enables powerful GPU performance for workloads ranging from graphics-rich virtual workstation and desktops to data science and AI, enabling IT to leverage the management and security benefits of virtualization as well as the performance of NVIDIA GPUs required for modern workloads. 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.

FIND THE BEST VIRTUAL GPU SOFTWARE PRODUCT FOR YOUR USERS.

<table>
<thead>
<tr>
<th>Use Case</th>
<th>Creative and Technical Professional</th>
<th>Knowledge Worker</th>
<th>AI, Deep Learning, and Data Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compute Type</td>
<td>Client Computing</td>
<td>Client Computing</td>
<td>Server Workloads</td>
</tr>
<tr>
<td>Virtual GPU Software Edition</td>
<td>NVIDIA RTX Virtual Workstation</td>
<td>NVIDIA Virtual PC / Virtual Applications</td>
<td>NVIDIA Virtual Compute Server</td>
</tr>
<tr>
<td>GPU Hardware</td>
<td>Recommended: A40</td>
<td>Recommended: A16</td>
<td>Recommended: A100, A30</td>
</tr>
</tbody>
</table>

The portfolio of NVIDIA virtual GPU software products includes:
> NVIDIA RTX™ Virtual Workstation (vWS)
> NVIDIA Virtual PC (vPC)
> NVIDIA Virtual Applications (vApps)
> NVIDIA Virtual Compute Server (vCS)

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

NVIDIA VIRTUAL GPU SOFTWARE FEATURE LIST

<table>
<thead>
<tr>
<th>Configuration and Deployment</th>
<th>vWS</th>
<th>vPC</th>
<th>vApps</th>
<th>vCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktop Virtualization</td>
<td>✓</td>
<td>✓</td>
<td></td>
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<tr>
<td>Server Virtualization</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>RDSP App Hosting</td>
<td>✓</td>
<td>✓</td>
<td></td>
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<tr>
<td>RDSP Desktop Hosting</td>
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<tr>
<td>Windows OS Support</td>
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<tr>
<td>Linux OS Support</td>
<td>✓</td>
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<tr>
<td>GPU Pass-Through Support³</td>
<td>✓</td>
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<tr>
<td>Bare-Metal Support⁴</td>
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<tr>
<td>NVIDIA Graphics Driver⁵</td>
<td>✓</td>
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<tr>
<td>NVIDIA RTX Enterprise Driver</td>
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<tr>
<td>NVIDIA Compute Driver</td>
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<tr>
<td>Guaranteed Quality-of-Service Scheduling⁶</td>
<td></td>
<td>✓</td>
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<tr>
<td>Multi-GPU</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

NVIDIA NVLink™      ✓   ✓   ✓   ✓
ECC Reporting and Handling ✓   ✓   ✓   ✓
Page Retirement       ✓   ✓   ✓   ✓

Maximum Hardware Rendered Display
- Four 5K or Two 8K
- Four QHD, Two 4K³, One 5K
- One 4K³

Maximum Resolution
- 7680 x 4320¹
- 5120 x 2880
- 1280 x 1024
- 4096 x 2160

NVIDIA Direct Enterprise-Level Technical Support ✓   ✓   ✓   ✓
Maintenance Releases, Defect Resolutions, and Security Patches for up to 3 Years² ✓   ✓   ✓   ✓
NGC™ Ready Support       ✓   ✓   ✓   ✓

Now available in CSP marketplaces, NVIDIA RTX Virtual Workstation software brings enterprises pairing cloud-based workstations with on-premise infrastructure even greater flexibility and business agility.

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For more information, visit www.pny.com/vGPU or email: gopny@pny.com

FIND THE BEST NVIDIA DATA CENTER GPU FOR YOUR ENVIRONMENT.

NVIDIA virtual GPU software runs on NVIDIA data center GPUs 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.

With our latest generation Ampere-architecture GPUs, the world’s fastest virtual workstations have become even faster. NVIDIA RTX vWS with Ampere-architecture-based GPUs deliver up to 2.1x better graphics performance, and 1.5x better performance per dollar spent than our previous version.

“With eVDI, waiting times have been dramatically reduced and working from remote locations has become more efficient. It is a major advantage that engineers can now use CAD, which was previously limited to their desk, in meetings and on business trips. It’s like the transition from landline phones to smartphones.”

NORIVUKI HIRATSUKA
Assistant Manager, Mitsubishi

CHOOSE A SOFTWARE LICENSING MODEL

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

NVIDIA Virtual Applications (vApps) $10 per concurrent user subscription
NVIDIA Virtual PC (vPC) $30 per concurrent user subscription
NVIDIA RTX Virtual Workstation (vWS) $250 per concurrent user subscription
NVIDIA Virtual Compute Server (vCS) $450 per GPU subscription

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

NVIDIA Virtual Applications (vApps) $20 perpetual license $5 SUMS per year
NVIDIA Virtual PC (vPC) $100 perpetual license $25 SUMS per year
NVIDIA RTX Virtual Workstation (vWS) $450 perpetual license $100 SUMS per year
NVIDIA Virtual Compute Server (vCS) 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 RTX 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.

For more information, visit www.pny.com/vGPU or email: gopny@pny.com