



VGPU

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Application Note



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Chapter 1.

OVERVIEW

This page describes the support for CUDA on NVIDIA® Quadro® Virtual Data Center Workstation (Quadro vDWS), NVIDIA GRID™ Virtual PC, and GRID Virtual Applications.

For more information on NVIDIA Virtual GPU Software, visit <https://docs.nvidia.com/grid/index.html>.

Chapter 2.

vGPU

The following vGPUs support CUDA:

- ▶ The 8Q vGPU type on Tesla M6, Tesla M10, and Tesla M60 GPUs.
- ▶ All Q-series vGPU types on the following GPUs:
 - ▶ Tesla P4
 - ▶ Tesla P6
 - ▶ Tesla P40
 - ▶ Tesla P100
 - ▶ Tesla P100 12 GB
- ▶ The following CUDA features are not supported on vGPU:
 - ▶ Unified Memory
 - ▶ Dynamic Page Retirement
 - ▶ ECC
 - ▶ Peer-to-peer
 - ▶ GPUDirect RDMA
 - ▶ CUDA Developer Tools (e.g. debugger, profiler)

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