
NVIDIA CUDA Visual Profiler
Linux Release Notes
Version 1.0

FILES IN THE RELEASE:

* CudaVisualProfiler/bin/cudaprof : CUDA Visual Profiler Executable
* CudaVisualProfiler/bin/libQt*.so.4 : Qt core shared libraries
* CudaVisualProfiler/projects : Directory containing sample profiler projects

SUPPORTED LINUX DISTRIBUTIONS

NVIDIA CUDA Visual Profiler is supported and tested on the following Linux distributions:

32-bit operating systems

* Red Hat Enterprise Linux 4.3
* Red Hat Enterprise Linux 5.0

64-bit operating systems

* Red Hat Enterprise Linux 4.3
* Red Hat Enterprise Linux 5.0

CUDA Visual Profiler is compiled with gcc 3.4.6 and the same tools should be used on other distributions. Alternatively, compatibility packages containing libstdc++.so.6 may be used. These are available for many Linux distributions. For example, on recent Fedora Core releases, the compat-libstdc++-34 is needed.

SYSTEM REQUIREMENTS

. CUDA compatible NVIDIA GPU Card
. NVIDIA CUDA Toolkit

INSTALLATION AND SETUP

Extract all files from the release tar zip into a directory (referred to as <CudaVisualProfilerInstallDir>)

```
> cd <CudaVisualProfilerInstallDir>  
> gunzip <release tar zip  
> tar xvf <release tar>
```

Setup LD_LIBRARY_PATH to include the CudaVisualProfiler bin directory:

```
> export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:<CudaVisualProfilerInstallDir>/CudaVisualProfiler/bin
```

RUNNING CUDA Visual Profiler

```
> <CudaVisualProfilerInstallDir>/CudaVisualProfiler/bin/cudaprof &
```

Refer to the CUDA Visual Profiler readme for more information.

KNOWN ISSUES

- 1) Note that timestamps and profiler counters are not supported in CUDA v1.0. The CUDA Visual Profiler currently does not detect the CUDA version and does not disable any incompatible features.
- 2) You need to use the command line argument "--noprompt" for running most of the CUDA SDK samples. You can enable the "Run in separate window" checkbox in the Session settings dialog to open a separate window. Only with this option you can give some keyboard input for console-based

CUDA programs.