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NVIDIA CUDA Toolkit  
README.txt  
Version 2.0

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November 2008  
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This distribution contains

- NVIDIA CUDA toolkit documentation
- NVIDIA CUDA compiler (nvcc) and supporting tools
- NVIDIA CUDA runtime and driver libraries
- NVIDIA CUBLAS and CUFFT libraries

Please see the release notes (doc/CUDA\_Release\_Notes\_2.0.txt) for detailed information about this release.

Documentation (located in the doc directory)

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CUBLAS\_Library\_2.0.pdf  
User manual for the CUDA accelerated BLAS implementation.

CUDA\_Profiler\_2.0.txt  
Guide for using the profiler.

CUDA\_Release\_Notes\_2.0.txt  
Release notes with release-specific information.

CUFFT\_Library\_2.0.pdf  
User manual for the CUDA accelerated FFT library.

EULA.txt  
The end user license agreement.

NVCC.doc  
Documentation for the CUDA command line compiler.

PTX\_ISA\_1.2.pdf  
User manual for the Parallel Thread Execution ISA.

README.txt  
This file.

#### Important Files

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bin/nvcc	Command line compiler
inc/	
cuda.h	CUDA driver API header
cudaGL.h	CUDA OpenGL interop header
cudaD3D9.h	CUDA DirectX interop header
cufft.h	CUFFT API header
cublas.h	CUBLAS API header
lib/	
cuda	CUDA driver library
cudart	CUDA runtime library
cublas	CUDA BLAS library
cufft	CUDA FFT library

Toolkit\_Rel\_Notes\_win\_2.0beta2  
cublasemu CUBLAS CPU emulation library  
cufftemu CUFFT CPU emulation library

#### Supported NVIDIA Hardware

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- Tesla C870
- Tesla D870
- Tesla S870
  
- Quadro FX 5600
- Quadro FX 4600
- Quadro FX 3700
- Quadro FX 1700
- Quadro FX 570
- Quadro FX 370
- Quadro NVS 290
- Quadro NVS 320M
- Quadro NVS 140M
- Quadro NVS 135M
- Quadro NVS 130M
- Quadro FX 3600M
- Quadro FX 1600M
- Quadro FX 570M
- Quadro FX 360M
- Quadro Plex 1000 Model IV
- Quadro Plex 1000 Model S4
  
- GeForce 9800 GX2
- GeForce 9800 GTX
- GeForce 9600 GT
- GeForce 8800 Ultra
- GeForce 8800 GTX
- GeForce 8800 GTS (640 MB & 320 MB)
- GeForce 8600 GTS
- GeForce 8800 GT
- GeForce 8800 GS
- GeForce 8600 GTS
- GeForce 8600 GT
- GeForce 8500 GT
- GeForce 8400 GS
- GeForce 8800M GTX
- GeForce 8800M GTS
- GeForce 8700M GT
- GeForce 8600M GT
- GeForce 8600M GS
- GeForce 8400M GT
- GeForce 8400M GS
- GeForce 8400M G

#### Supported Software Platforms

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##### 32-bit operating systems

- Windows XP
- Windows Vista\*
- Red Hat Enterprise Linux 4.3
- Red Hat Enterprise Linux 4.4
- Red Hat Enterprise Linux 4.5
- Red Hat Enterprise Linux 4.6\*
- Red Hat Enterprise Linux 5.0
- Red Hat Enterprise Linux 5.1\*

Toolkit\_Rel\_Notes\_win\_2.0beta2

- SUSE Linux Enterprise Desktop 10.0
- SUSE Linux 10.2
- SUSE Linux 10.3\*
- SLED-10(.0)
- Fedora 8\*
- SLED-10-SP1
- Ubuntu 7.04
- Ubuntu 7.10\*

64-bit operating systems

- Windows XP (64-bit)
- Windows Vista (64-bit)\*
- Red Hat Enterprise Linux 4.3
- Red Hat Enterprise Linux 4.4
- Red Hat Enterprise Linux 4.5
- Red Hat Enterprise Linux 4.6\*
- Red Hat Enterprise Linux 5.0
- Red Hat Enterprise Linux 5.1\*
- SUSE Linux Enterprise Desktop 10.0
- SUSE Linux 10.2
- SUSE Linux 10.3\*
- Fedora 8\*
- SLED-10-SP1
- Ubuntu 7.04
- Ubuntu 7.10\*

\* new support with CUDA v2.0