AGENDA

NVIDIA Developer Program Benefits
Becoming an NVIDIA Developer
Developer Engagement Platforms
Navigating NVIDIA Developer Platforms
NVIDIA DEVELOPER PROGRAM BENEFITS

- Product downloads and early access opportunities
- Information about new product releases and features
- Access to community and NVIDIA technical staff through forums
- Issue and bug submission
- Customer stories, technical blogs, and whitepapers
- Online technical documentation and code samples
- Self paced training and professional on-site workshops
- Invites to exclusive developer events
GETTING STARTED

Go to developer.nvidia.com/join or click the “Join” and “Create account” links on NVIDIA developer web pages.

NVIDIA account credentials provide you access to:

- All NVIDIA Developer Platforms
- NVIDIA GPU Cloud (NGC)
- NVIDIA’s consumer programs including GeForce Now and GeForce Experience
GETTING STARTED

Using your professional email gives you higher priority when reporting issues and consideration when applying for early access programs.

Opting-in to communications gives you the latest information on product releases, news, and special events.

The “Developer Areas of Interest” help us send you the most relevant updates and information.

NVIDIA will never share your information with 3rd parties.
DEVELOPER ENGAGEMENT PLATFORMS

Information, downloads, special programs, code samples, and bug submission: developer.nvidia.com
Containers for cloud and workstation environments: ngc.nvidia.com
Insights & help from other developers and NVIDIA technical staff: devtalk.nvidia.com
Technical documentation: docs.nvidia.com
Deep Learning Institute: workshops & self-paced courses: courses.nvidia.com
In depth technical how to blogs: devblogs.nvidia.com
Developer focused news and articles: news.developer.nvidia.com
Webinars: nvidia.com/webinar-portal
GTC on-demand content: gputechconf.com
TOP LEVEL NAVIGATION

developer.nvidia.com

Login using your NVIDIA Account
[Some downloads require login]

Domain-specific technology areas

NGC containers

Highlighted developer news and blogs
CUDA TOOLKIT

developer.nvidia.com/cuda-toolkit

CUDA Toolkit

Develop, Optimize and Deploy GPU-accelerated Apps

The NVIDIA CUDA Toolkit provides a development environment for creating high-performance GPU-accelerated applications. With the CUDA Toolkit, you can develop, optimize and deploy your applications on GPU-accelerated embedded systems, desktop workstations, enterprise data centers, cloud-based platforms and HPC supercomputers. The toolkit includes GPU-accelerated libraries, debugging and optimization tools, a C++ compiler and a runtime library to deploy your application.

GPU-accelerated CUDA libraries enable drop-in acceleration across multiple domains such as linear algebra, image and video processing, deep learning and graph analytics. For developing custom algorithms, you can use available integrations with commonly used languages and numerical pedagogies as well as well-published development APIs. Your CUDA applications can be deployed across all NVIDIA GPUs available on premise and on GPU platforms in the cloud.

To get started, browse through online getting started resources, optimization guides, illustrative examples and collaborate with the rapidly growing developer community.

CUDA 19 | Update 1: What’s New...
CUDA-X & PARTNER LIBRARIES
developer.nvidia.com/gpu-accelerated-libraries

Over 40 gpu-accelerated libraries as part of CUDA-X, in addition to numerous partner libraries
**PROFILING & DEBUGGING TOOLS**

developer.nvidia.com/tools-overview

**DATACENTER TOOLS**

developer.nvidia.com/datacenter-management-gpu
SOFTWARE
DOWNLOADS

Navigate from the developer homepage to the individual product pages and then to the corresponding download pages to install the latest and archived versions of software.

**LOCAL INSTALLERS, LOCAL REPOS**
These packages are usually larger and contain all the files needed to install on your development system.

**NETWORK INSTALLER**
The download is a thin client which downloads the latest version from a fixed web location.

**NETWORK REPOS**
Linux repos containing the latest and past releases, installable using “apt-get”

**SDK MANAGER**
Client side installation manager, currently delivering DRIVE and Jetson SW

**NGC**
Containers with pre-installed SDKs, runtimes, NVIDIA optimized frameworks
NGC accelerates productivity with easy to deploy, optimized AI frameworks, and HPC application containers so users can focus on building their solutions.

Simplify AI Adoption
NGC lowers the barrier to AI adoption by taking care of the heavy lifting (expertise, time, compute resources) with pre-trained models and workflows with best-in-class accuracy and performance.

Run Anywhere You Have NVIDIA GPUs
Run software from NGC on-prem, in the cloud, or using hybrid deployments. This maximizes utilization of GPUs, portability, and scalability.

Deploy NGC Software with Confidence
Enterprise-grade support for NGC-Ready systems provides direct access to NVIDIA’s experts, minimizing system downtime, and maximizing system utilization and productivity.
TECHNICAL DOCUMENTATION

Browse installation, programming, and performance guides by product docs.nvidia.com
SUBMITTING ISSUES AND BUGS

Login to developer.nvidia.com

Follow the “My account” link below your username, top right

Follow “My Bugs” link on menu, bottom left

Log issues using “Submit a New Bug” button, top right

Follow progress of any submitted issues in My Bugs Section

### FORUMS

Browse topics of interest and get your product questions answered

devtalk.nvidia.com
NVIDIA DEEP LEARNING INSTITUTE

Hands-on, self-paced and instructor-led training in deep learning and accelerated computing for developers

Request onsite instructor-led workshops at your organization: [nvidia.com/requestdli](http://nvidia.com/requestdli)

Take self-paced courses online: [nvidia.com/dlilabs](http://nvidia.com/dlilabs)

Download the course catalog, view upcoming workshops, and learn about the University Ambassador Program: [nvidia.com/dli](http://nvidia.com/dli)
DEVELOPER NEWS AND BLOGS

news.developer.nvidia.com

Developer-Centric News and Announcements

devblogs.nvidia.com

Deeply Technical How-to Information
JOIN 1.3M DEVELOPERS CREATING THE FUTURE

developer.nvidia.com/join