



CUDA Toolkit 12.4 Downloads

Select Target Platform

Click on the green buttons that describe your target platform. Only supported platforms will be shown. By downloading and using the software, you agree to fully comply with the terms and conditions of the [CUDA EULA](#).

Operating System

[Linux](#)[Windows](#)

Architecture

[x86_64](#)[ppc64le](#)[arm64-sbsa](#)[aarch64-jetson](#)

Distribution

[CentOS](#)[Debian](#)[Fedora](#)[KylinOS](#)[OpenSUSE](#)[RHEL](#)[Rocky](#)[SLES](#)[Ubuntu](#)[WSL-Ubuntu](#)

Version

[20.04](#)[22.04](#)

Installer Type

[deb \(local\)](#)[deb \(network\)](#)[runfile \(local\)](#)

Download Installer for Linux Ubuntu 22.04 x86_64

The base installer is available for download below.

Base Installer

Installation Instructions:

```
$ wget https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2204/x86_64/cuda-ubuntu2204.pin
$ sudo mv cuda-ubuntu2204.pin /etc/apt/preferences.d/cuda-repository-pin-600
$ wget https://developer.download.nvidia.com/compute/cuda/12.4.0/local_installers/cuda-repo-ubuntu2204-12-4-local_12.4.0-550.54.14-1_amd64.deb
$ sudo dpkg -i cuda-repo-ubuntu2204-12-4-local_12.4.0-550.54.14-1_amd64.deb
$ sudo cp /var/cuda-repo-ubuntu2204-12-4-local/cuda-*-keyring.gpg /usr/share/keyrings/
$ sudo apt-get update
$ sudo apt-get -y install cuda-toolkit-12-4
```

Additional installation options are detailed [here](#).

Driver Installer

NVIDIA Driver Instructions (choose one option)

To install the legacy kernel module flavor:

```
$ sudo apt-get install -y cuda-drivers
```

To install the open kernel module flavor:

```
$ sudo apt-get install -y nvidia-driver-550-open
$ sudo apt-get install -y cuda-drivers-550
```

To switch between NVIDIA Driver kernel module flavors see [here](#).

The CUDA Toolkit contains Open-Source Software. The source code can be found [here](#).

The checksums for the installer and patches can be found in [Installer Checksums](#).

For further information, see the [Installation Guide for Linux](#) and the [CUDA Quick Start Guide](#).

Resources

- [CUDA Documentation/Release Notes](#)
- [MacOS Tools](#)
- [Training](#)
- [Sample Code](#)
- [Forums](#)
- [Archive of Previous CUDA Releases](#)
- [FAQ](#)
- [Open Source Packages](#)
- [Submit a Bug](#)
- [Tarball and Zip Archive Deliverables](#)



Sign up for NVIDIA News

Subscribe

Follow NVIDIA Developer



Find more news and tutorials on [NVIDIA Technical Blog](#)



[Privacy Policy](#) | [Manage My Privacy](#) | [Do Not Sell or Share My Data](#) | [Terms of Use](#) | [Cookie Policy](#) | [Contact](#)

Copyright © 2024 NVIDIA Corporation