

You said:

https://developer.nvidia.com/compute/cuda/8.0/Prod2/local_installers/cuda-repo-ubuntu1604-8-0-local-ga2_8.0.61-1_amd64-deb without cut download until 1.89 to 19.9 gb file download in linux

ChatGPT said:

To **download large files** like the CUDA 8.0 .deb installer from a **direct link** using the Linux terminal, especially when the file is very large (like 1.89 GB to 19.9 GB), you can use tools that support **resumable downloads** and **robust connections**. Here's how you can do it step-by-step:

✓ Step-by-Step: Download CUDA 8.0 Installer on Linux

Option 1: Using wget (supports resume)

```
bash
CopyEdit
wget -c https://developer.nvidia.com/compute/cuda/8.0/Prod2/local_installers/
cuda-repo-ubuntu1604-8-0-local-ga2_8.0.61-1_amd64-deb
```

- -C means *continue* a partial download if it gets interrupted.
 - This method is **robust** for large files.
-

Option 2: Using aria2c (faster with multi-connection)

Install aria2 first:

```
bash
CopyEdit
sudo apt update && sudo apt install aria2
```

Then run:

```
bash
CopyEdit
aria2c -x 16 -s 16
"https://developer.nvidia.com/compute/cuda/8.0/Prod2/local_installers/cuda-repo-
ubuntu1604-8-0-local-ga2_8.0.61-1_amd64-deb"
```

- -x 16 allows up to 16 connections (faster).
 - -s 16 splits into 16 segments.
 - Better for **slow or unstable** networks.
-

Optional: Check File Size While Downloading

In another terminal, you can monitor the file size:

```
bash
CopyEdit
watch -n 1 ls -lh cuda-repo-ubuntu1604-8-0-local-ga2_8.0.61-1_amd64-deb
```

After Downloading: Install CUDA .deb

```
bash
CopyEdit
sudo dpkg -i cuda-repo-ubuntu1604-8-0-local-ga2_8.0.61-1_amd64.deb
sudo apt-key add /var/cuda-repo-*/7fa2af80.pub
sudo apt update
sudo apt install cuda
```

Would you like help verifying if this specific CUDA version works with your current GPU or driver setup?

40

You said:

tell gedit export source e

ChatGPT said:

If you want to **export a file you're editing in gedit** (the GNOME text editor) and you're asking how to **save** or **export the source code with syntax highlighting**, here are the possibilities:

✓ 1. Just Save Normally (Plain Text)

To save your source file:

- Use **File** → **Save As**
 - Or press **Ctrl + Shift + S**
 - Choose a location and file name
 - It will be saved in **plain text** format (no colors or formatting)
-

✓ 2. Export with Syntax Highlighting (e.g., to PDF)

gedit does **not support exporting to PDF with syntax highlighting** directly.

But you can use this workaround:

Option A: Use **highlight** Command-Line Tool

1. Install **highlight**:

```
bash
CopyEdit
sudo apt install highlight
```

2. Export a source file to PDF or HTML:

```
bash
CopyEdit
```

```
highlight -O pdf -o output.pdf source_file.c
```

Or for HTML:

```
bash
CopyEdit
highlight -O html -o output.html source_file.py
```

This gives you a **color-coded export** of your source.

✓ 3. Alternative Editors (with Export)

If you need built-in export features:

- **gedit + plugin:** There's no official PDF export plugin.
 - Use **VS Code**, **Sublime Text**, or **Notepad++ on Wine** for better export options.
 - Or use **enscript**, **a2ps**, or **highlight** from CLI for rich formatting.
-

Would you like me to show how to install and use **highlight** with a real example?

4o

You said:

```
sudo apt install cuda tell gedit export source e
```

ChatGPT said:

Let's break this into two parts since you mentioned:

1. `sudo apt install cuda`
 2. `tell gedit export source e`
-

✓ 1. `sudo apt install cuda`

This command installs the full CUDA toolkit from NVIDIA **after** you have added the correct CUDA repository via `.deb` or `apt` setup. Example:

```
bash
CopyEdit
sudo apt update
sudo apt install cuda
```

Make sure you've already run:

```
bash
CopyEdit
sudo dpkg -i cuda-repo-ubuntu1604-8-0-local-ga2_8.0.61-1_amd64.deb
sudo apt-key add /var/cuda-repo-*/7fa2af80.pub
sudo apt update
```

Then the `sudo apt install cuda` will work correctly and install CUDA 8.0.

✓ 2. "tell gedit export source e"

If you mean:

How to export the code you wrote in `gedit` into a file named `source.e`?

► Steps:

1. Open gedit:

```
bash
CopyEdit
gedit &
```

2. Write your code or paste content.

3. Go to: File → Save As

4. In the "Name" field, type:

```
CopyEdit
source.e
```

5. Click "Save"

Now you've saved/exported your code into a file named `source.e`.

If you're asking how to **run** or **compile** a file named `source.e`, please let me know what language `source.e` contains (e.g., C, Euphoria, Eiffel). Want help with that too?

40

You said:

cuda environment variables

ChatGPT said:

To properly set up **CUDA environment variables** after installing it (e.g., CUDA 8.0), you need to add paths to your `~/ .bashrc` or `~/ .zshrc` file (depending on your shell).

✓ CUDA Environment Variable Setup

Add the following lines to your shell config file (`~/ .bashrc` for most users):

```
bash
CopyEdit
export PATH=/usr/local/cuda-8.0/bin:$PATH
export LD_LIBRARY_PATH=/usr/local/cuda-8.0/lib64:$LD_LIBRARY_PATH
```

Then apply changes:

```
bash
```

```
CopyEdit
source ~/.bashrc
```

✓ Confirm CUDA Setup

Check nvcc compiler:

```
bash
CopyEdit
nvcc --version
```

Check if GPU is visible:

```
bash
CopyEdit
nvidia-smi
```

Alternate Versions

If you're using a different CUDA version (e.g., 12.2), adjust the path accordingly:

```
bash
CopyEdit
export PATH=/usr/local/cuda-12.2/bin:$PATH
export LD_LIBRARY_PATH=/usr/local/cuda-12.2/lib64:$LD_LIBRARY_PATH
```

Would you like me to auto-generate the `.bashrc` snippet for your current version?