

08. Expansion Tutorial

8.1 Problems

After burning an image with a TF larger than the image memory, part of the free memory will not be used, resulting in an insufficient space error or unsuccessful running of a large project.

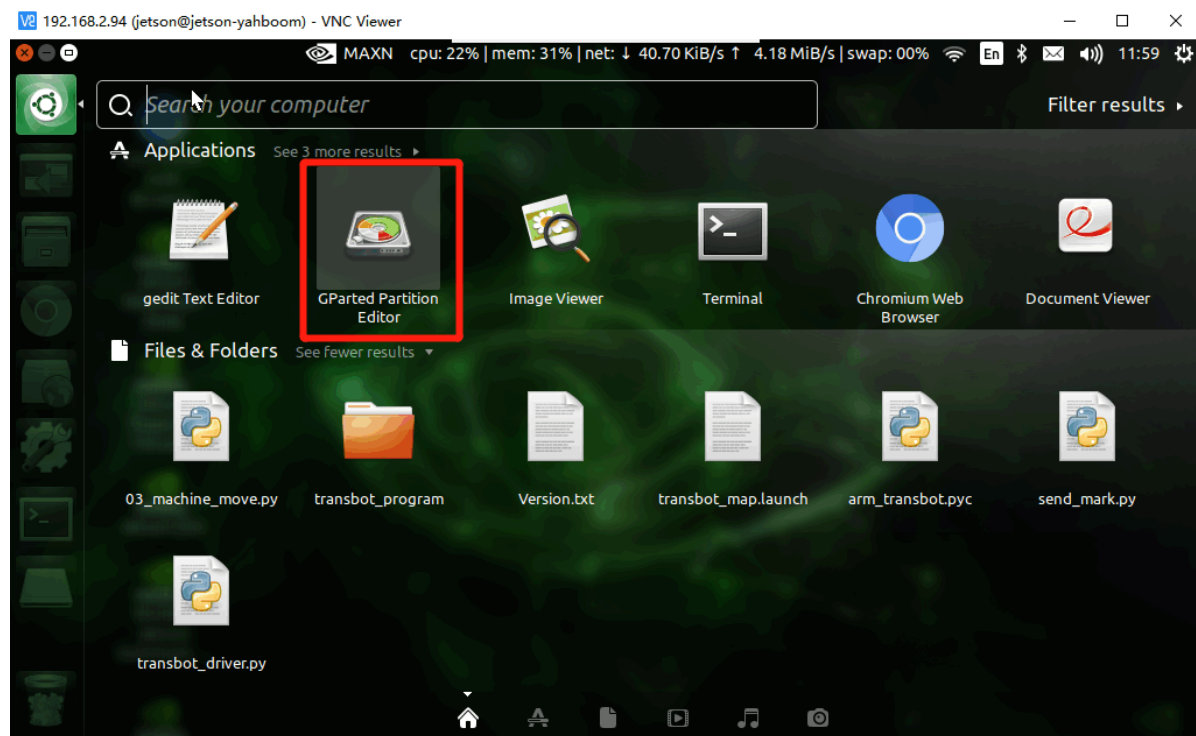
Note: This tutorial is only for users who burn the image by themselves, if there is a factory image in sd, then you can skip this tutorial. usb and sd card expansion in the same way, this section takes sd card as an example. This section takes the SD card as an example.

8.2 Solution

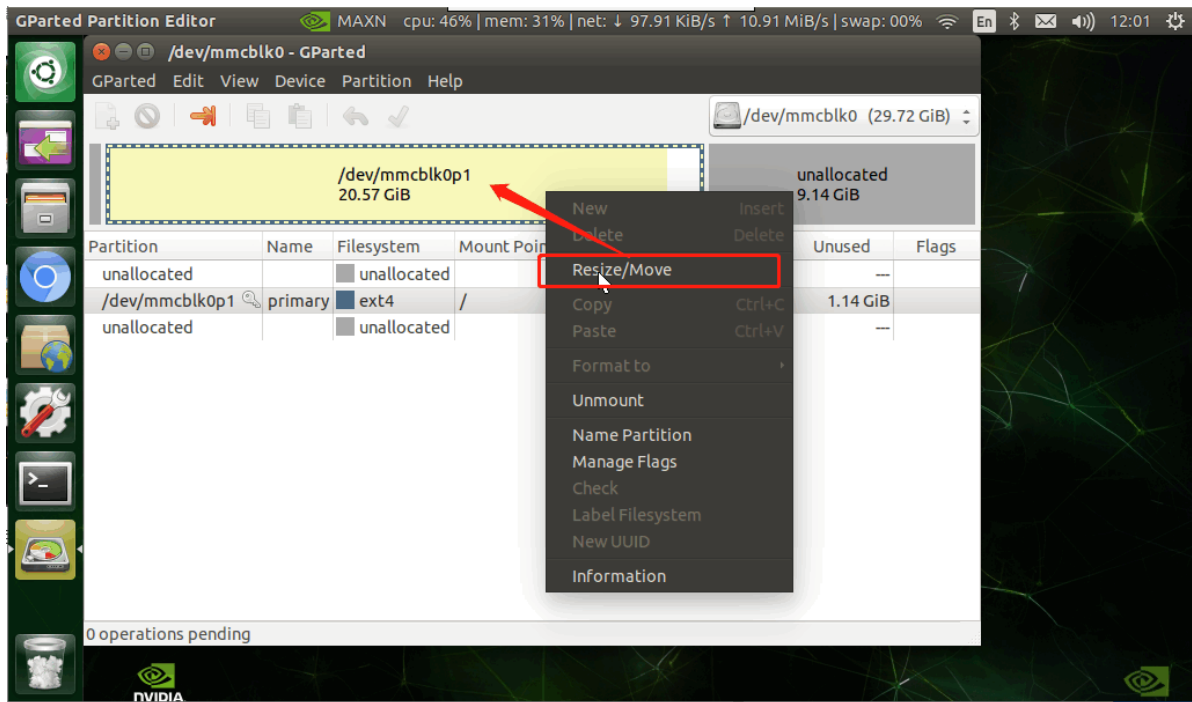
Install the expansion software and use it to expand the capacity.

```
sudo apt install gparted
```

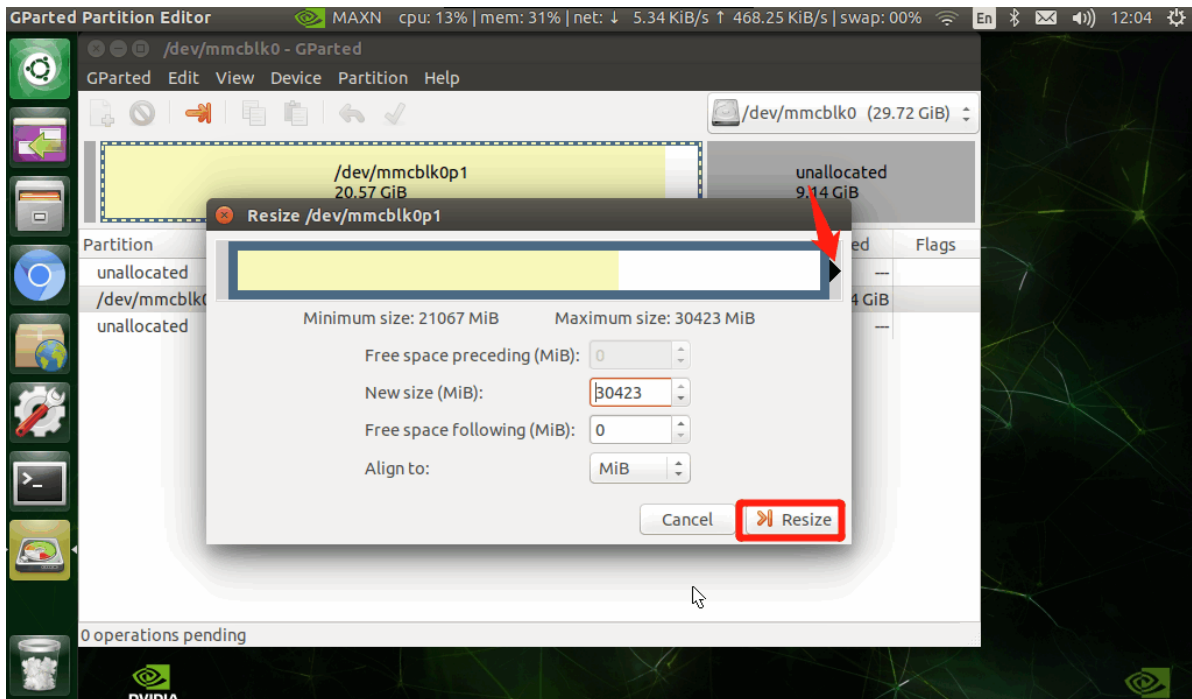
Open the software



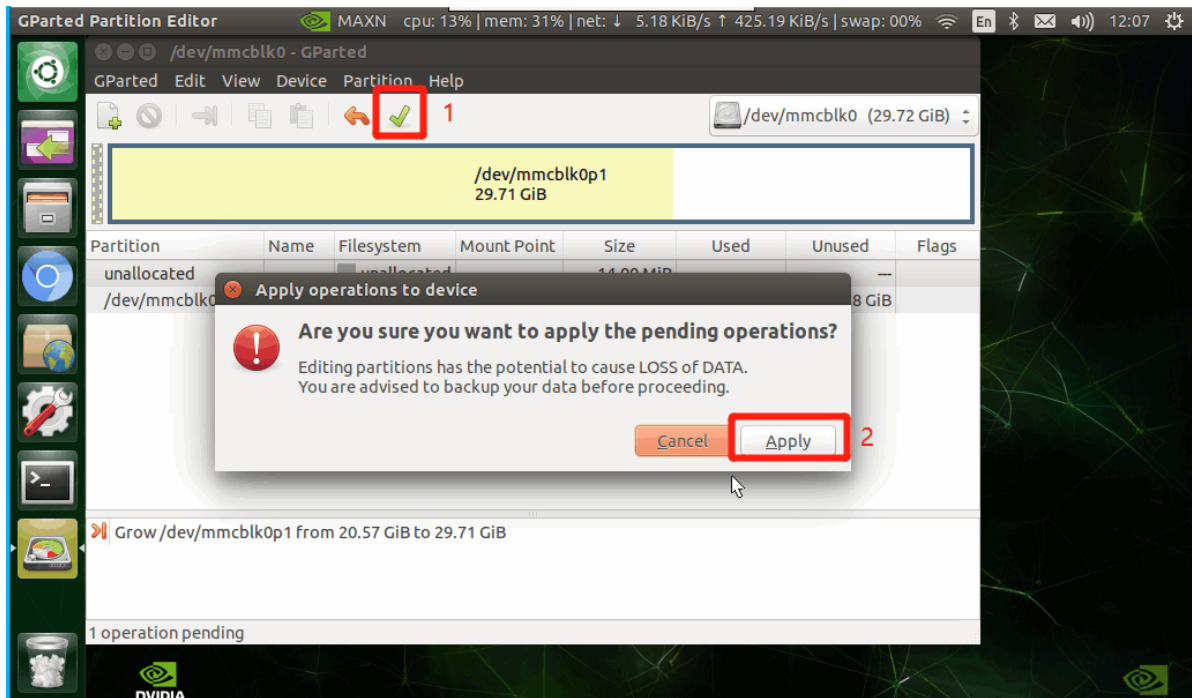
Right click [/dev/mmcbk0p1]->Resize/Move



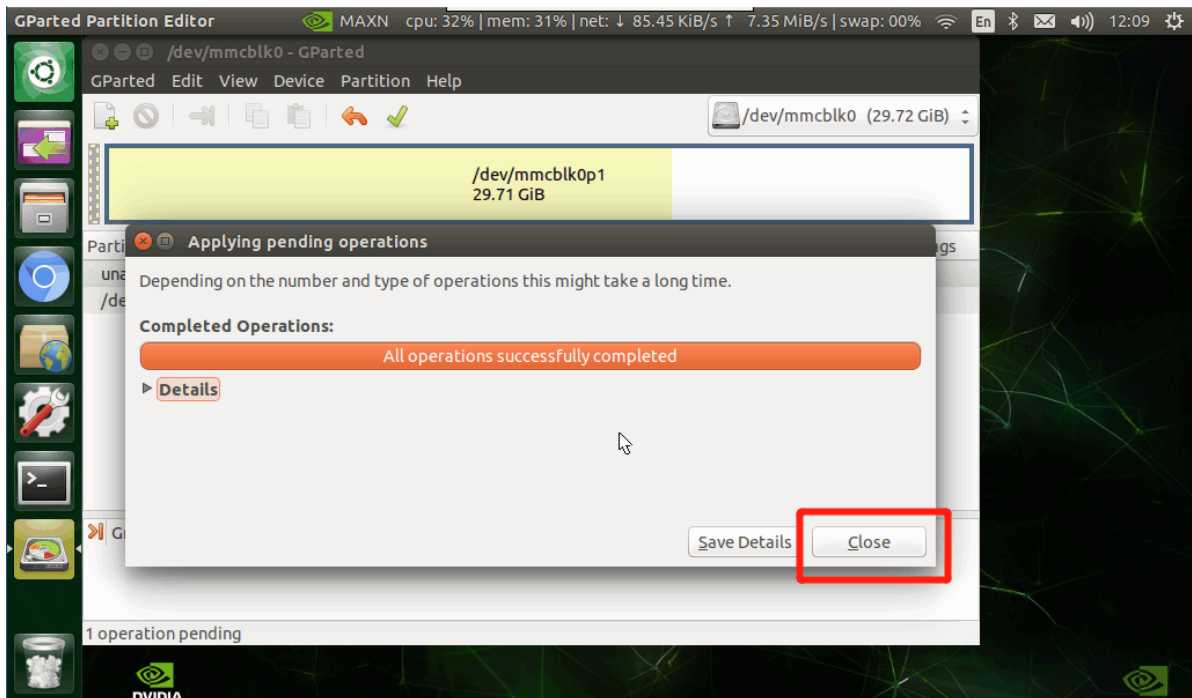
Pull the right box to the top until the gray area becomes all white -> Resize



Click the tick at the bottom of the function bar -> Apply



The expansion is complete!



Use the command to verify the query at the terminal

```
df -h
```

Verify that the expansion is successful, the 32G card expansion information is as follows

