

## 8. Expansion tutorial

### 8. Expansion tutorial

#### 8.1. Problems

#### 8.2. Solutions

### 8.1. Problems

After using a TF larger than the image memory to burn the image, a part of the free memory cannot be used, resulting in an error of insufficient space, or failure to run a large project.

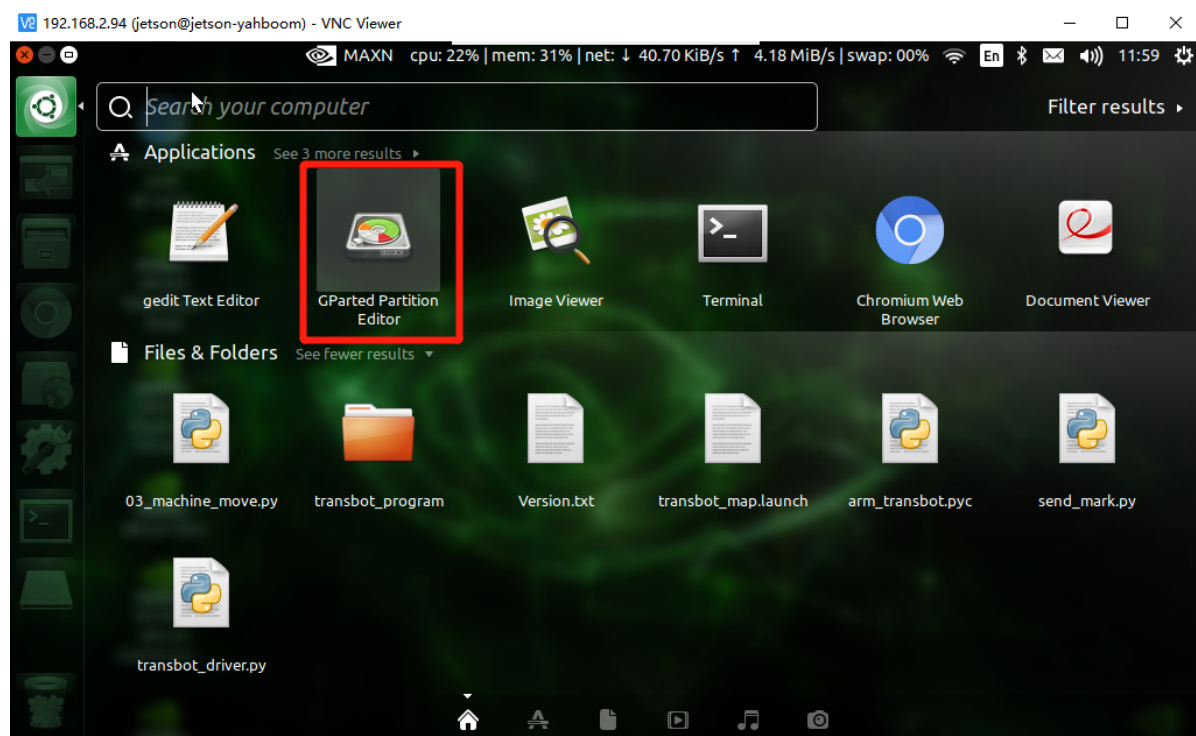
**Note: This tutorial is only for users who burn the image by themselves. If there is a factory image in the sd, you can skip this tutorial. The expansion method of U disk and SD card is the same. This section takes SD card as an example.**

### 8.2. Solutions

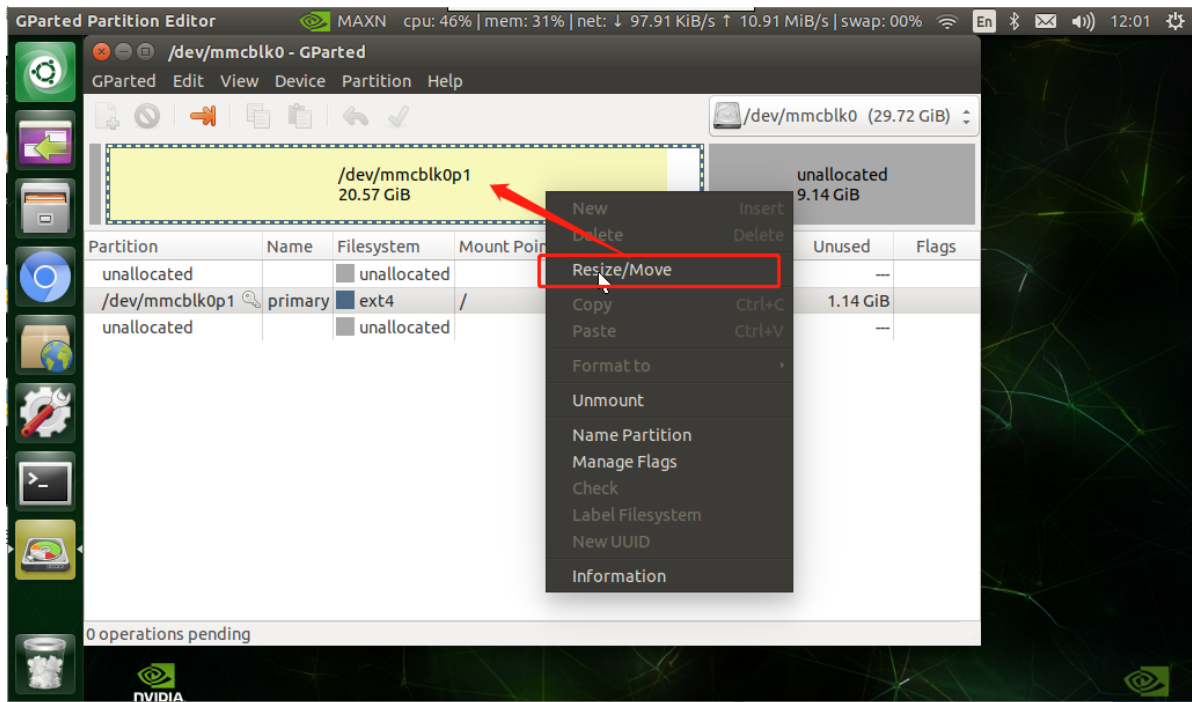
Install the expansion software and use the expansion software to expand the capacity.

```
sudo apt install gparted
```

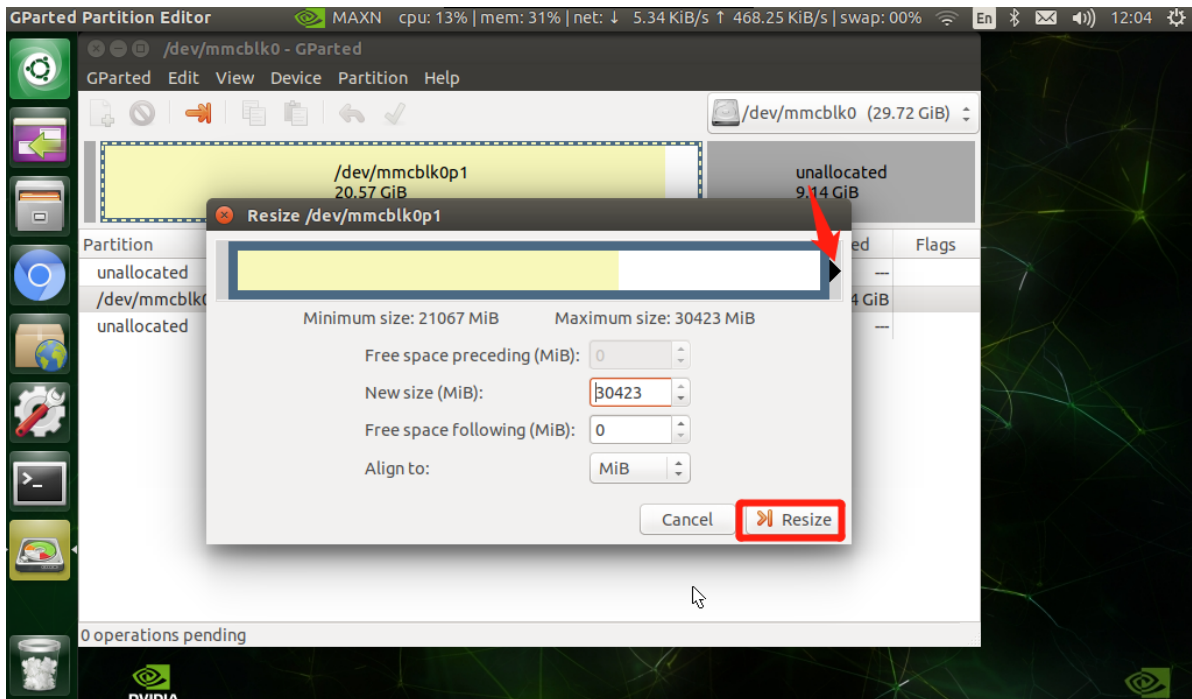
Open the software



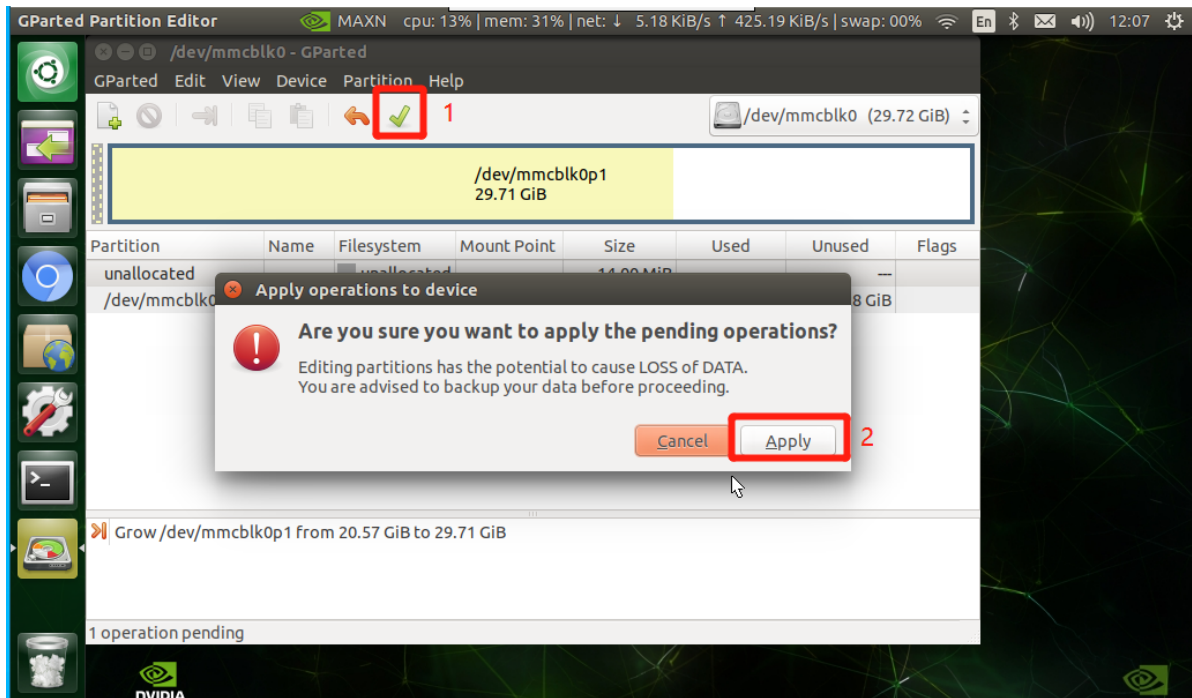
Right click `【/dev/mmcblk0p1】` ->Resize/Move



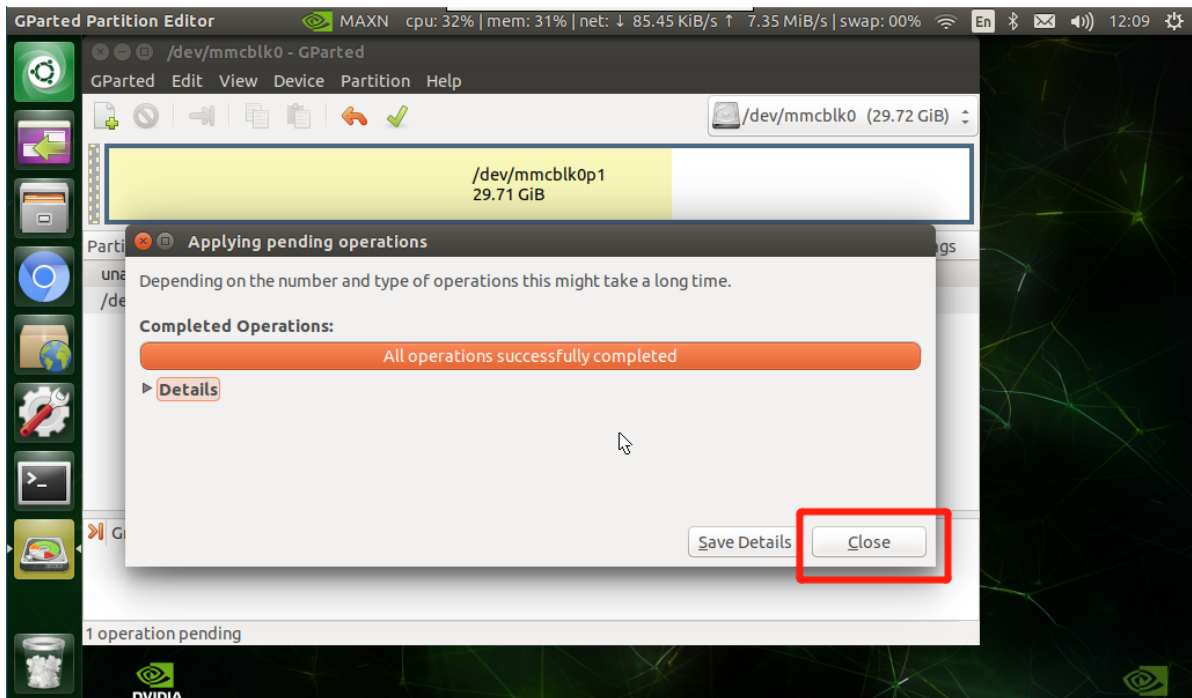
Pull the box on the right to the top until the gray area becomes completely white->Resize



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



Expansion complete!



Use the command to perform query verification in the terminal

```
df -h
```

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

