Burned USB drive and reread the drive

1.Question

Due to the use of a USB flash drive larger than the image memory to burn the image, a portion of the idle memory may not be used, resulting in errors of insufficient usage space or unsuccessful running of large projects.

2.Solution

1. Open the terminal of the virtual machine (Ubuntu 18.04) and enter the following command to install the expansion software

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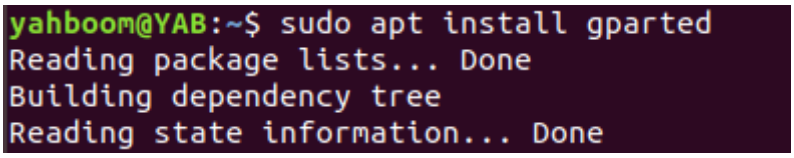
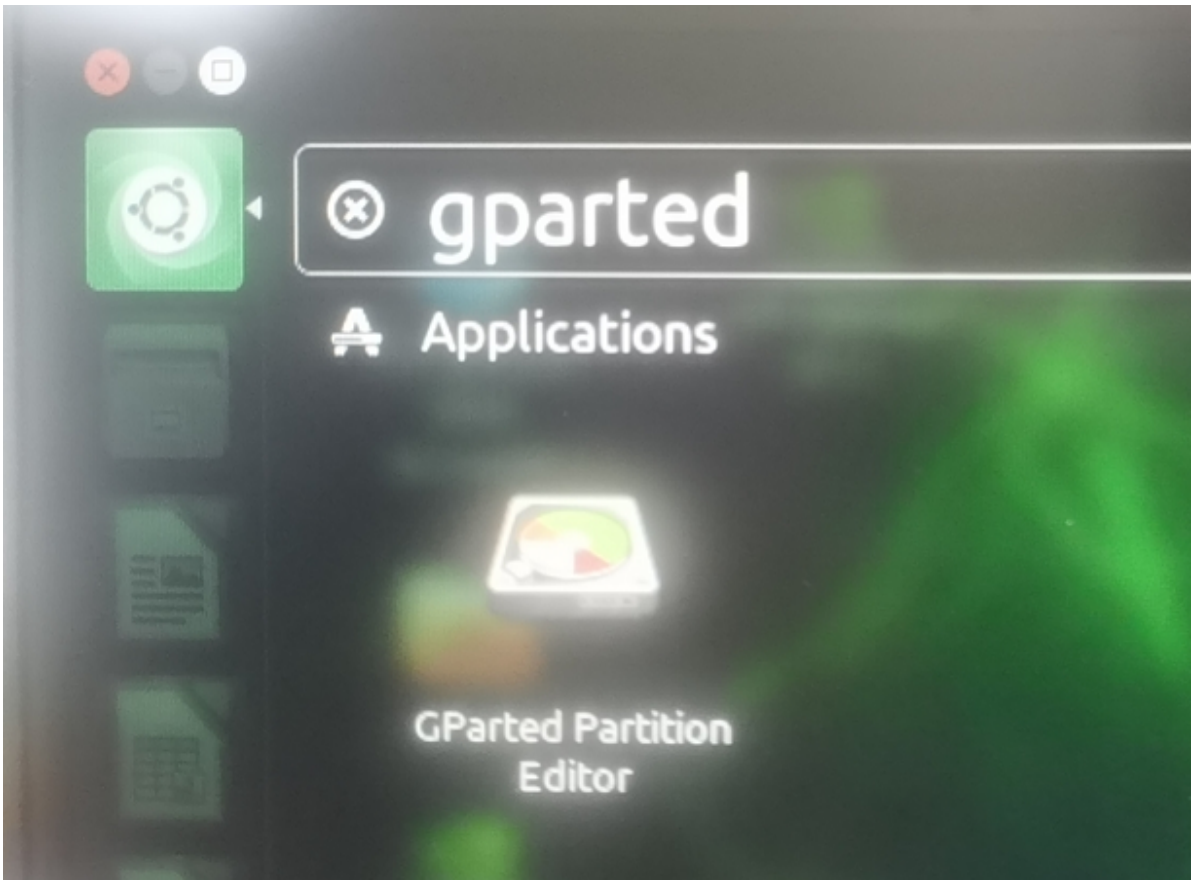
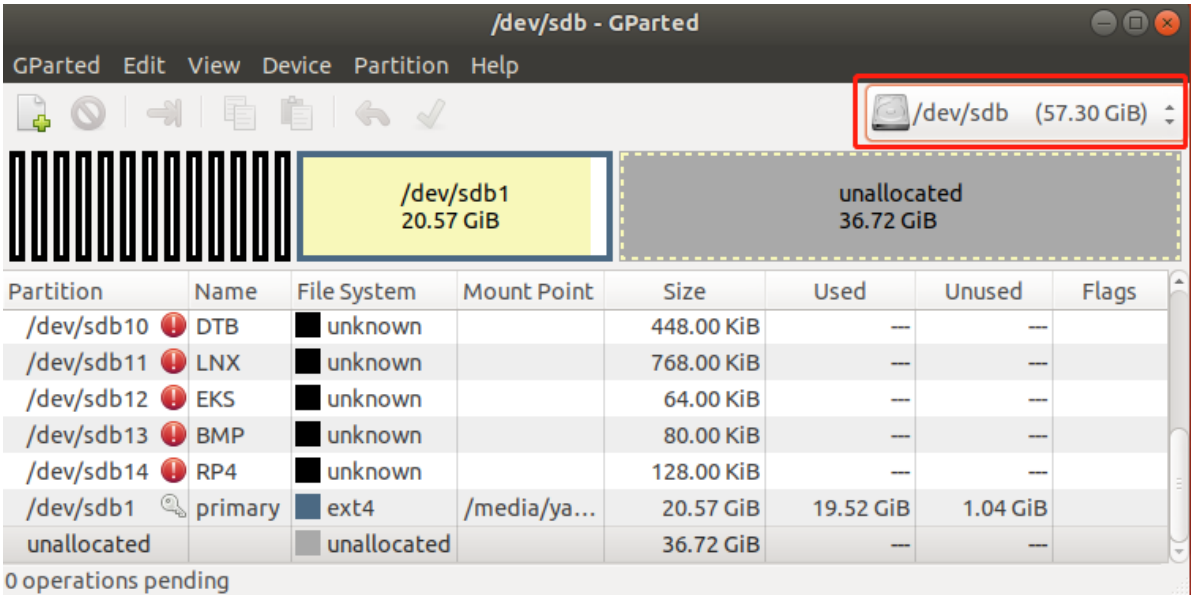
sudo apt install gparted
```



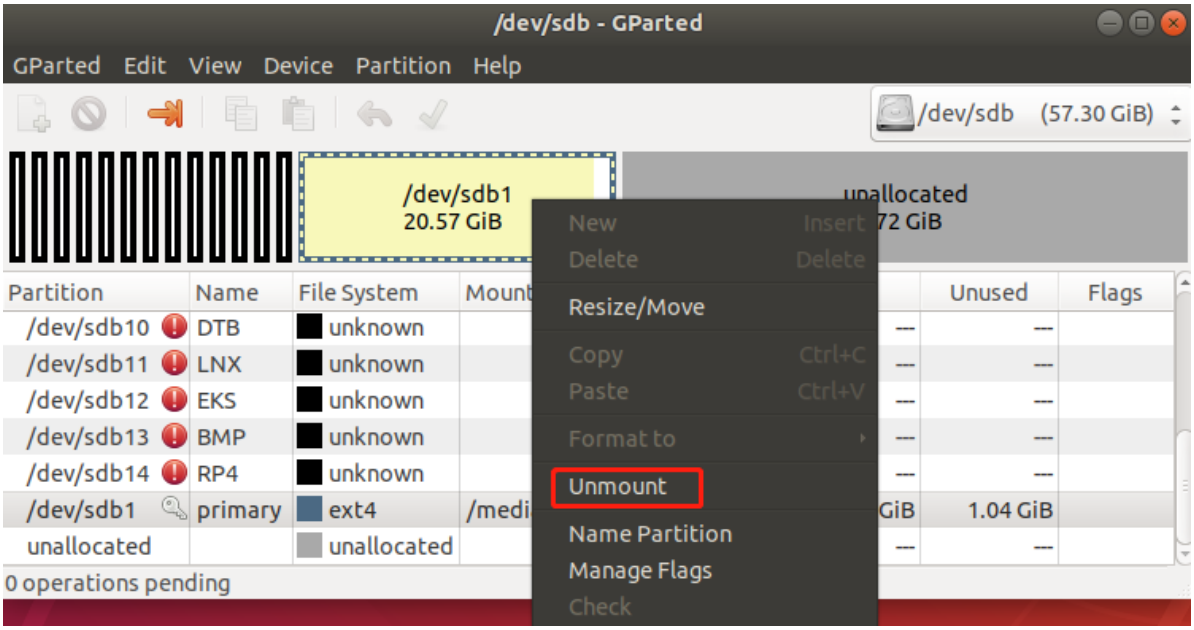
2. Search and open gparted within the system application of the virtual machine



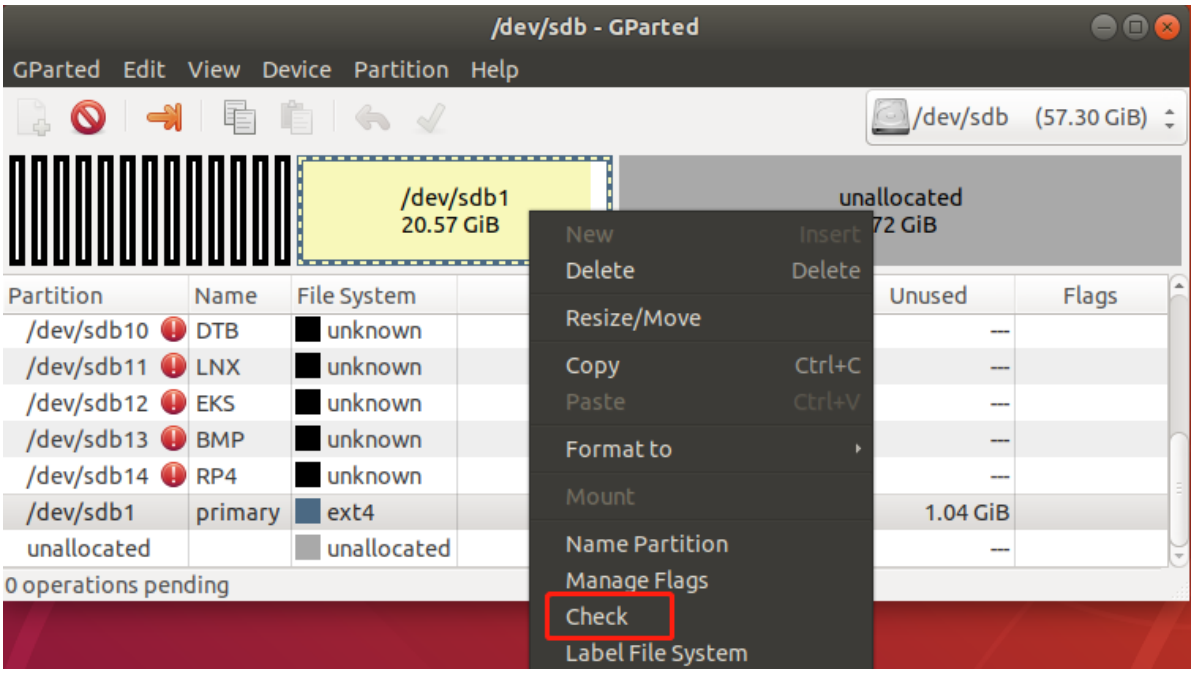
3. Choose the drive letter for the USB drive, and remember not to make the wrong choice. For example, when I choose/dev/sdb here, I can see that/sdb1 is partially white and partially gray.

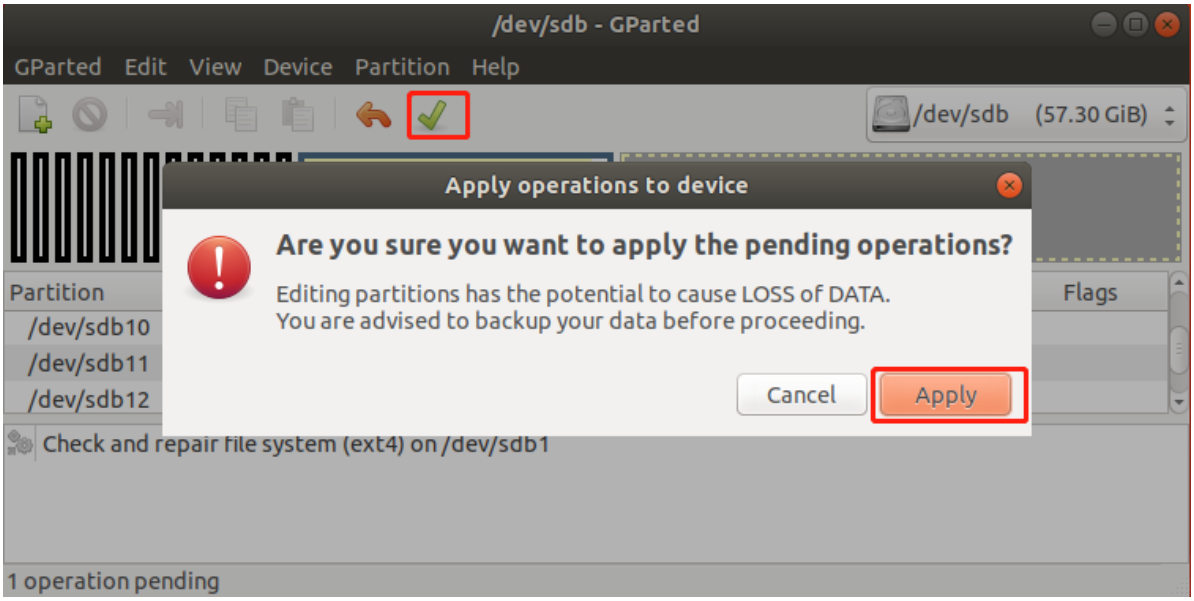


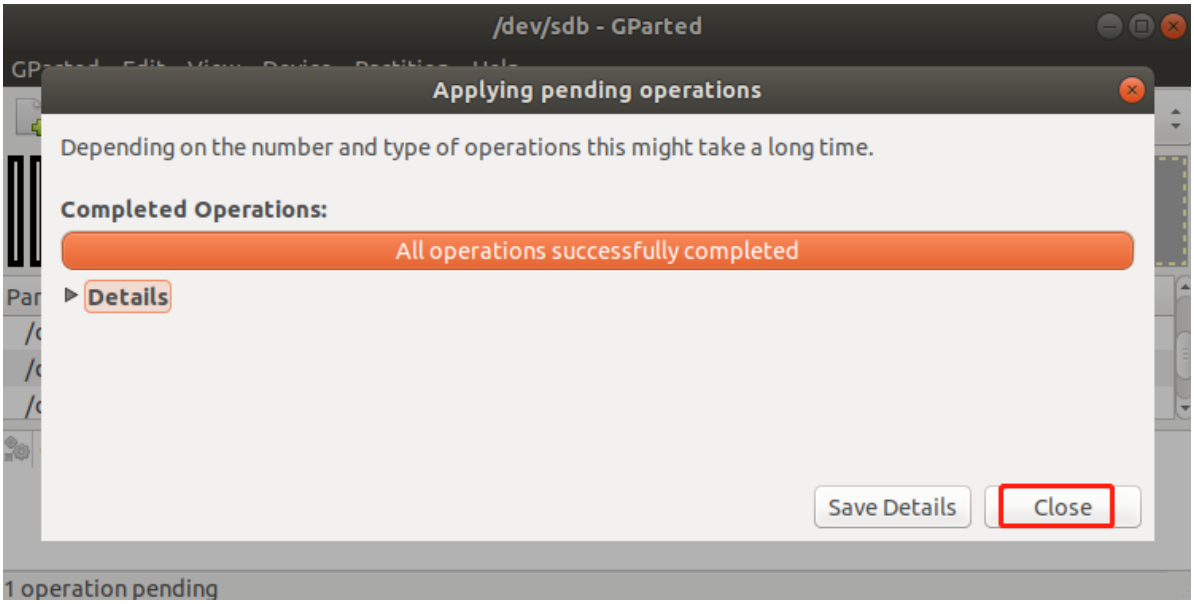
4. Right click and select Unmount to uninstall/dev/sdb1,



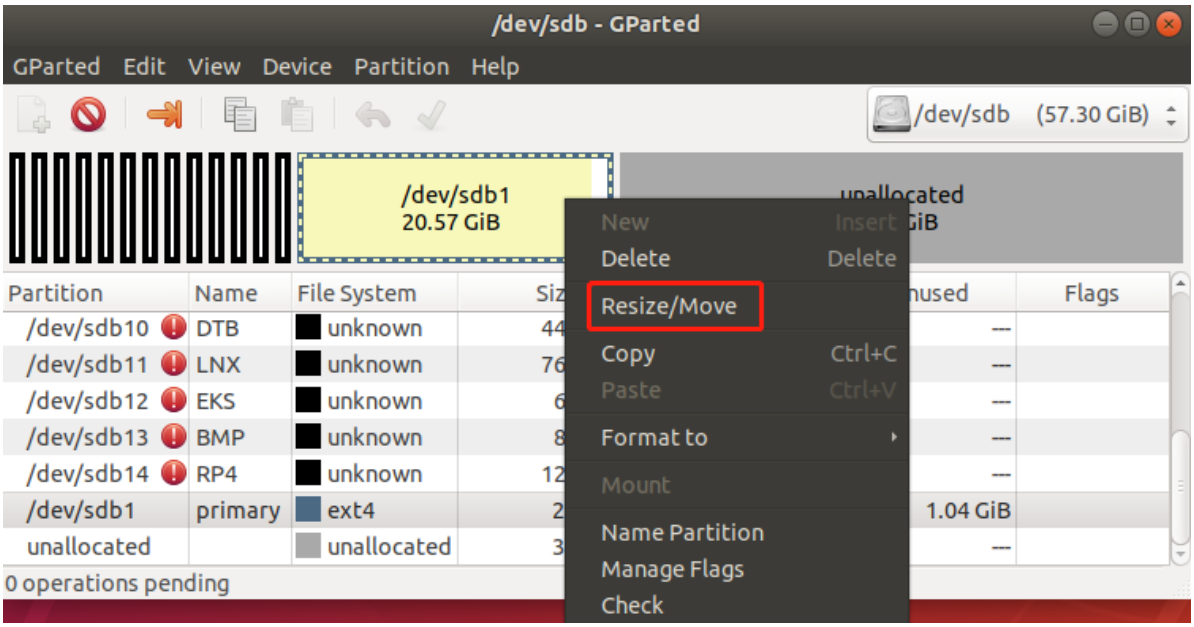
5. Right click on Check to check the USB drive, click on the '√' check box above to confirm, and then click Apply.

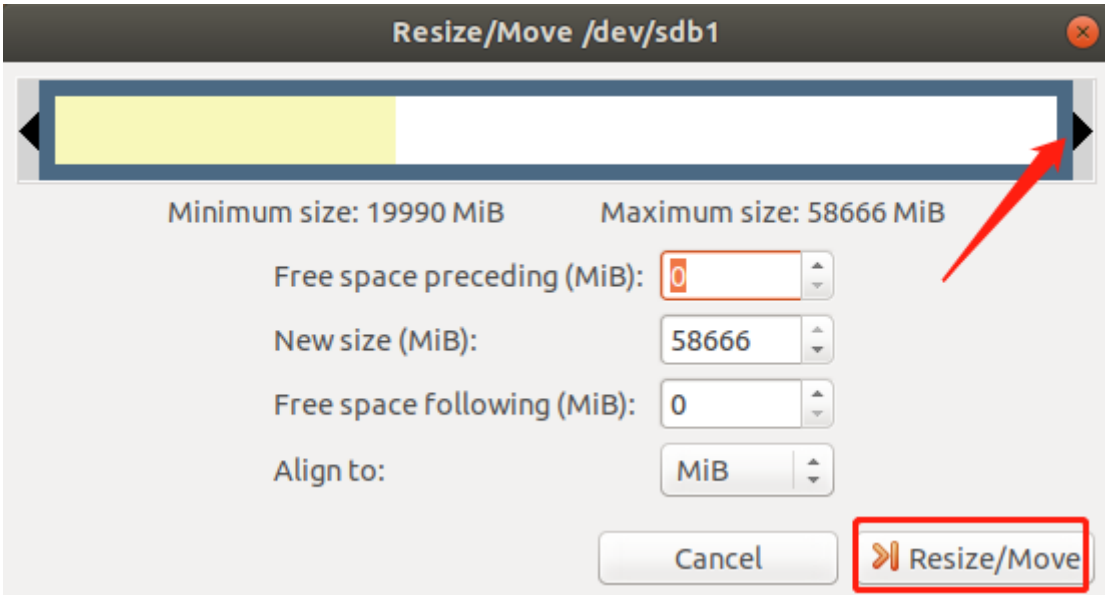




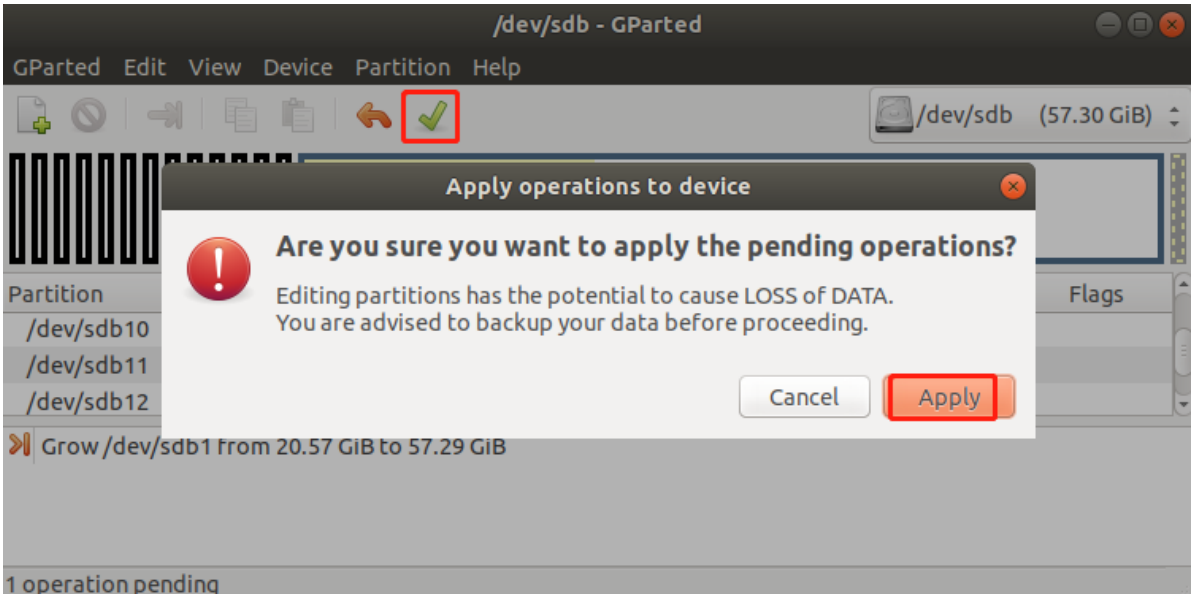


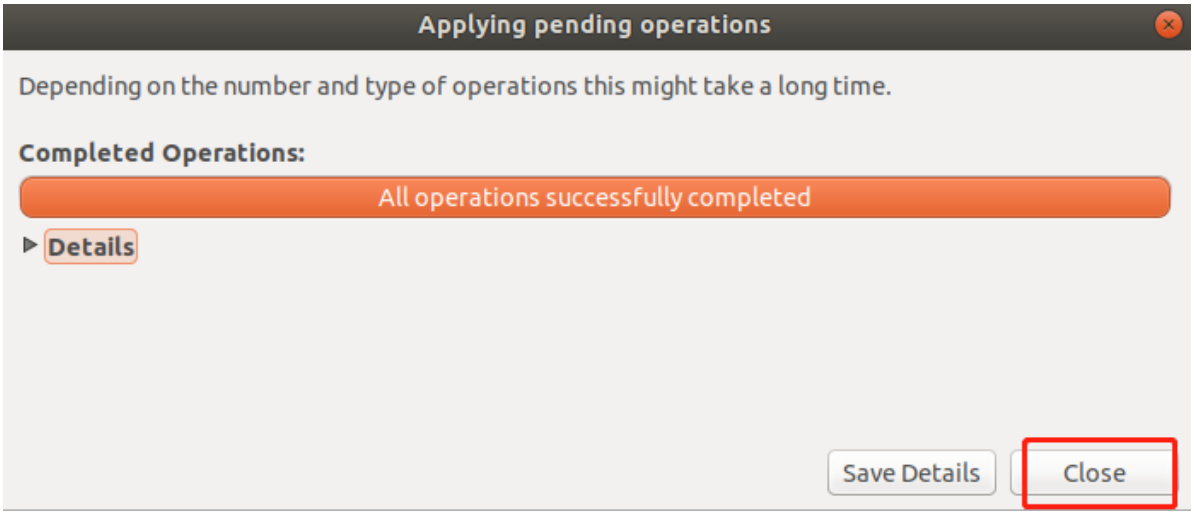
6. Select Resize/Move to modify the capacity size, drag the white part on the right to the far right, and then click Resize/Move.



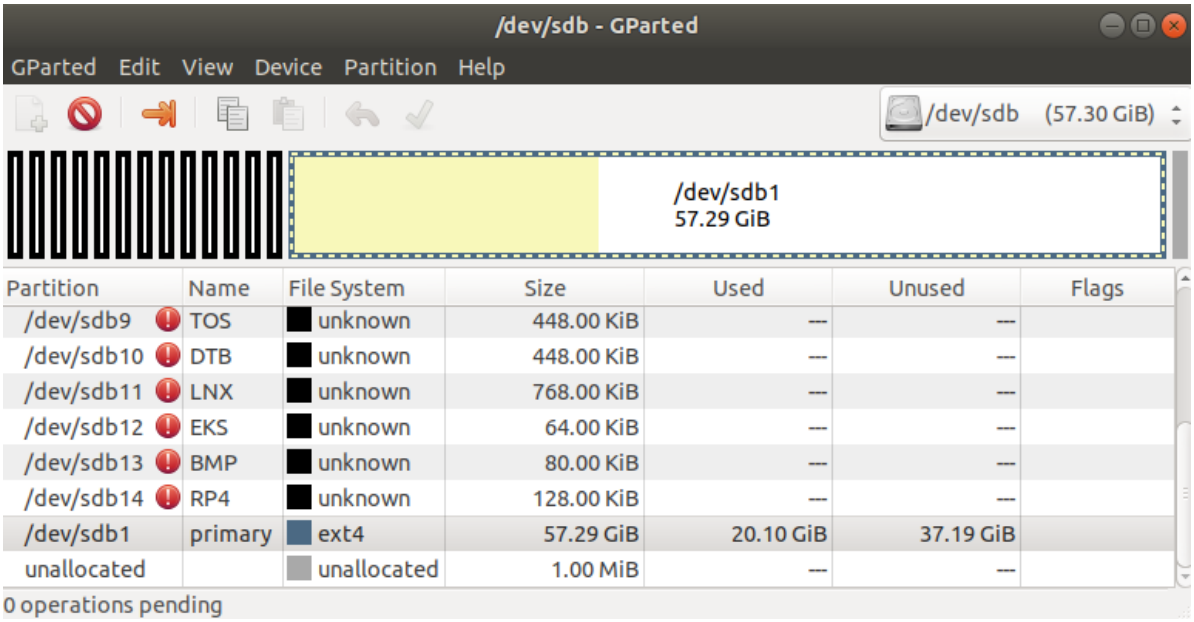


7. Click the tick '√' above to confirm, and then click Apply





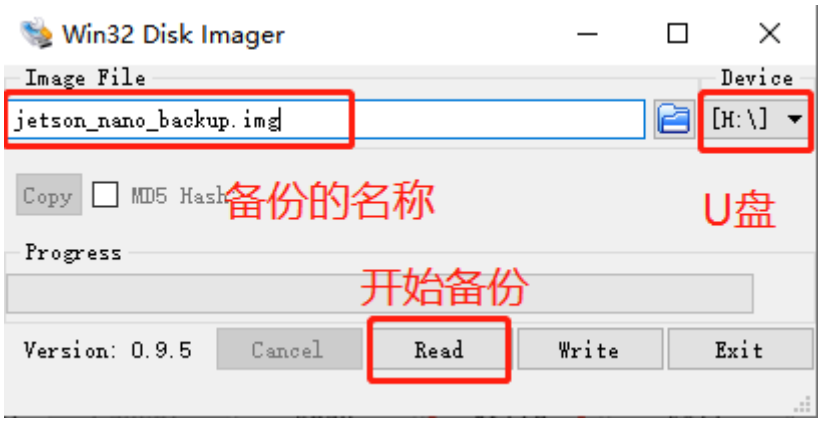
8. The expansion of this USB drive is complete.



3.Backup USB drive system

Due to the fact that Jetson Nano's system belongs to Linux system files, the Win system may prompt to format the partition because it is not recognized. Do not format at this time! Do not format! Do not format!

1. The system in the USB flash drive requires the use of Win32DiskImager to backup the system.
2. Insert the USB drive into the computer's USB port
3. Run the Win32DiskImager tool
4. Enter the name of the backup img (image) file in the software, select the drive letter of the USB drive under "Device", and then select "Read"Then we will start backing up the system. Depending on the speed of your USB drive, the backup process may vary.



5. After the backup is completed, you can open the download directory to find Jetson_ nano_ Backup.img image file.