Disk expansion

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The tutorial is applicable to motherboards that boot the system with SSD and SD card, and all operation steps are the same!

Note: The factory image system will be compressed to facilitate users to download and replace disks of different capacities (SD card, USB flash drive, SSD, etc.). If the user finds that the disk space does not match the actual disk, he can follow the tutorial to expand the capacity.

GParted

GParted (Gnome Partition Editor) is a powerful graphical partition management tool, mainly used to manage disk partitions.

This tool can be used to manage disks in any Linux system

Install GParted

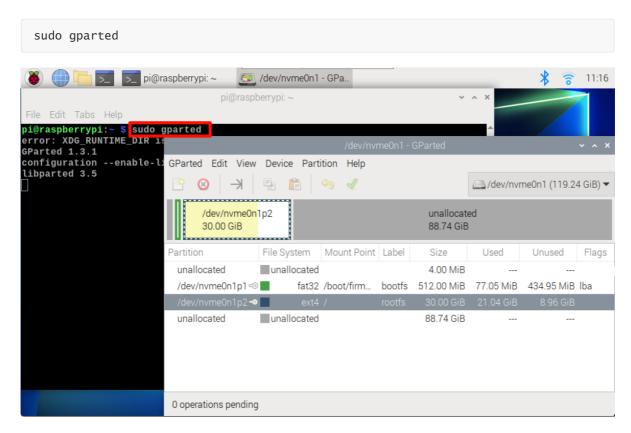
sudo apt install gparted **?** 11:15 pi@raspberrypi: ~ File Edit Tabs Help Trash pi@raspberrypi:~ \$ sudo apt i Reading package lists... Done \$ sudo apt install gparted Reading package tists... bone
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
libcamera0.1 libraspberrypi0 libssl1.1 libwpe-1.0-1 libwpebackend-fdo-1.0-1
Use 'sudo apt autoremove' to remove them. The following additional packages will be installed: gparted-common Suggested packages: dmraid gpart jfsutils kpartx mtools reiser4progs reiserfsprogs udftools xfsprogs The following NEW packages will be installed: gparted gparted-common 0 upgraded, 2 newly installed, 0 to remove and 1 not upgraded. Need to get 2,483 kB of archives. After this operation, 8,638 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://deb.debian.org/debian bookworm/main arm64 gparted-common all 1.3.1
1 [1,711 kB]

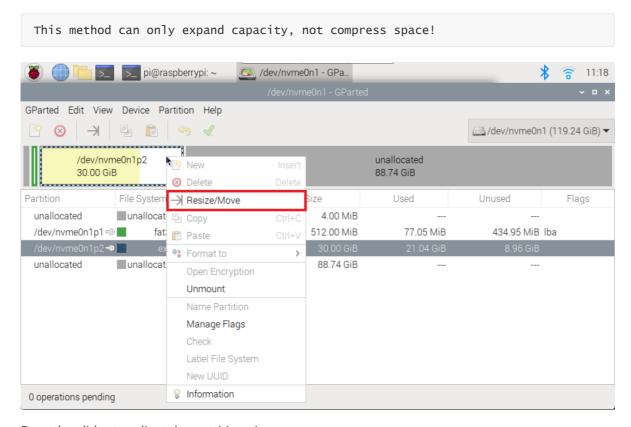
Get:2 http://deb.debian.org/debian bookworm/main arm64 gparted arm64 1.3.1-1 [77 2 kB1 Fetched 2,483 kB in 2s (1,392 kB/s) Selecting previously unselected package gparted-common.

Start GParted

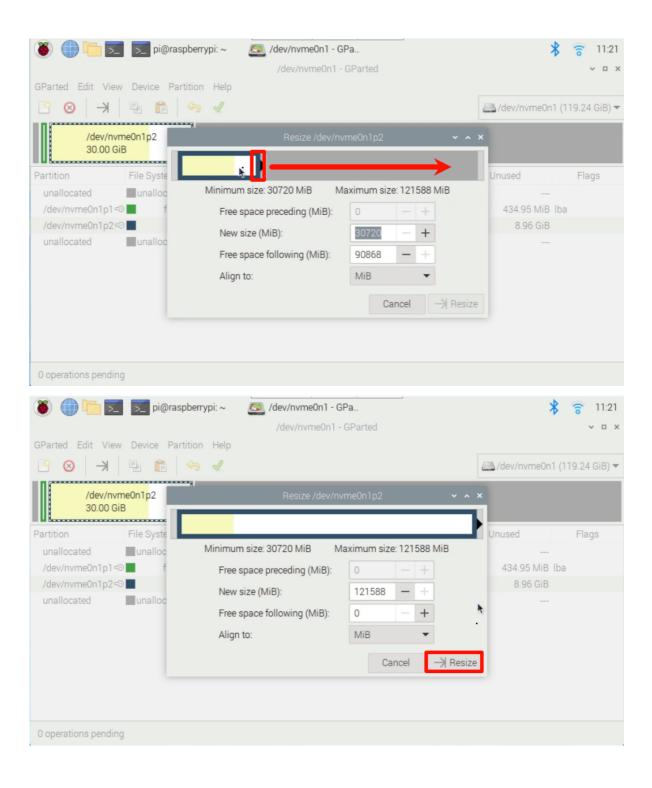


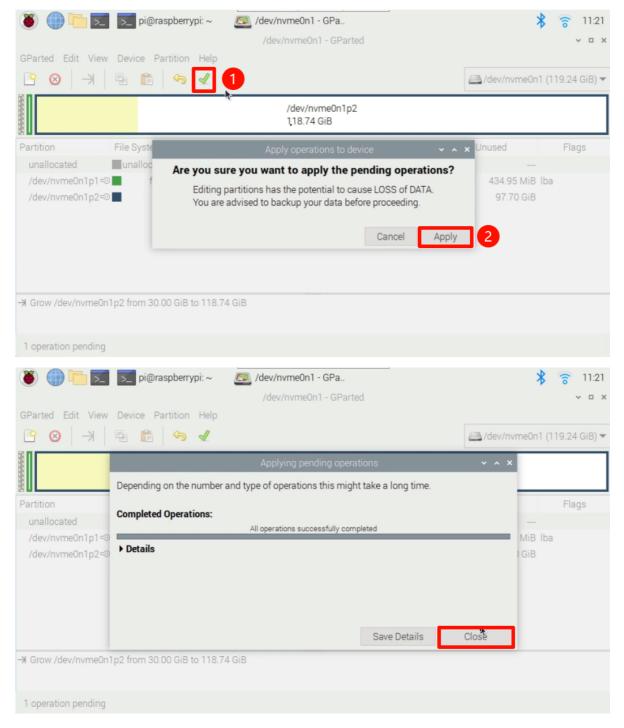
Disk expansion

Right-click the disk to allocate space, select "Resize/Move" to adjust the partition size:



Drag the slider to adjust the partition size:





View the partition size

After completing the disk expansion, you can see the newly allocated disk space in the system.

