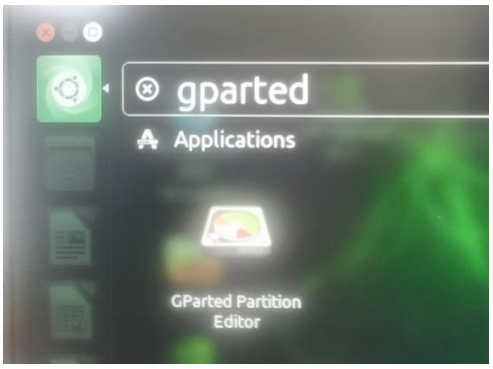
Since we cannot directly expand the space of the running system, we need to remove the solid-state drive first, put it into the solid-state drive box, and then connect it to the computer (virtual machine) before proceeding.

1.Open gparted

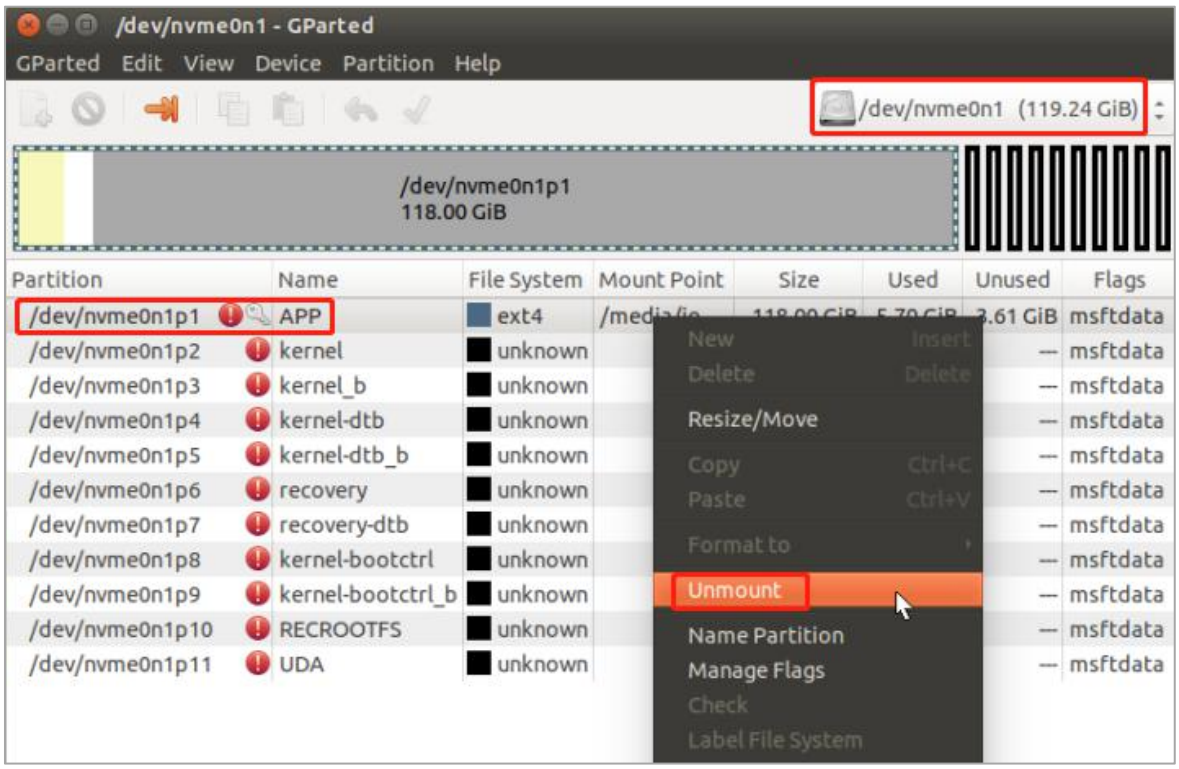


2. Select the corresponding NVME hard disk /dev/nvme0n1 (subject to the actual situation), check the information, the corresponding Partition of the APP partition is /dev/nvme0n1p1.
This step must select the correct hard disk number.

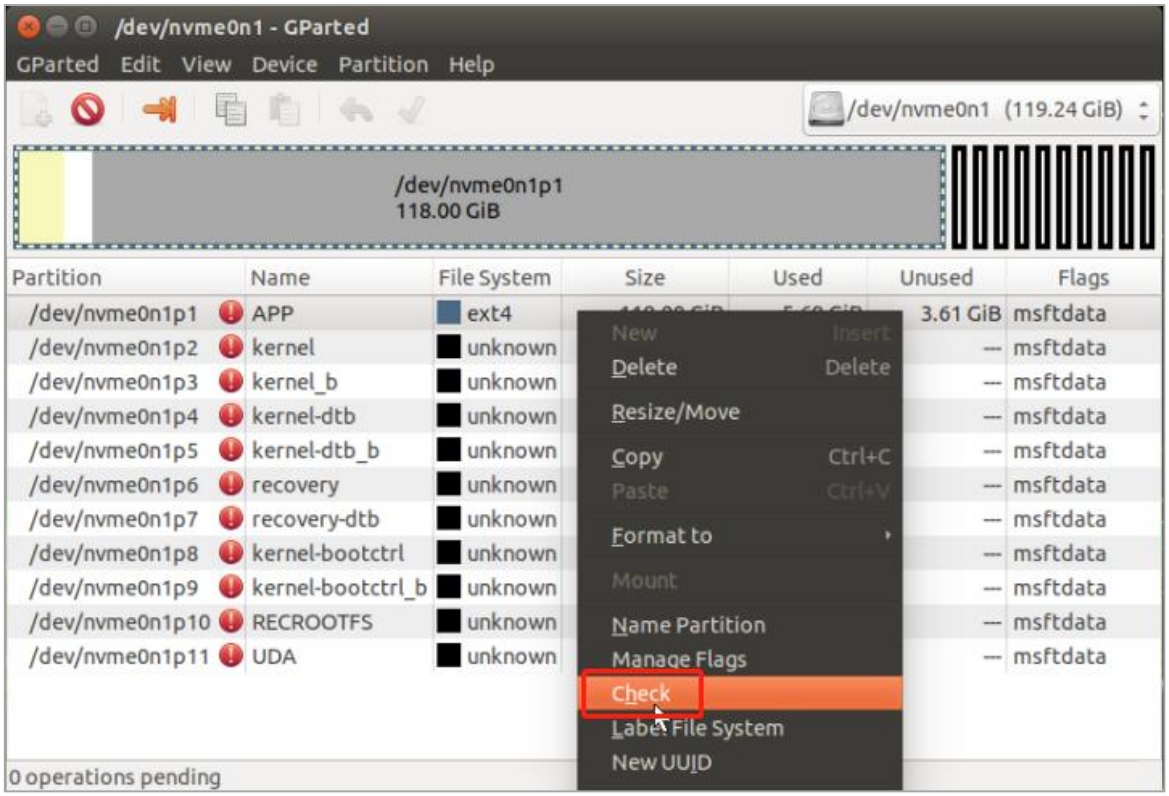
We can see that part of the APP partition is gray, and the gray part needs to be changed to white. Color representation: yellow for used space, white for unused space, and gray for unavailable space.

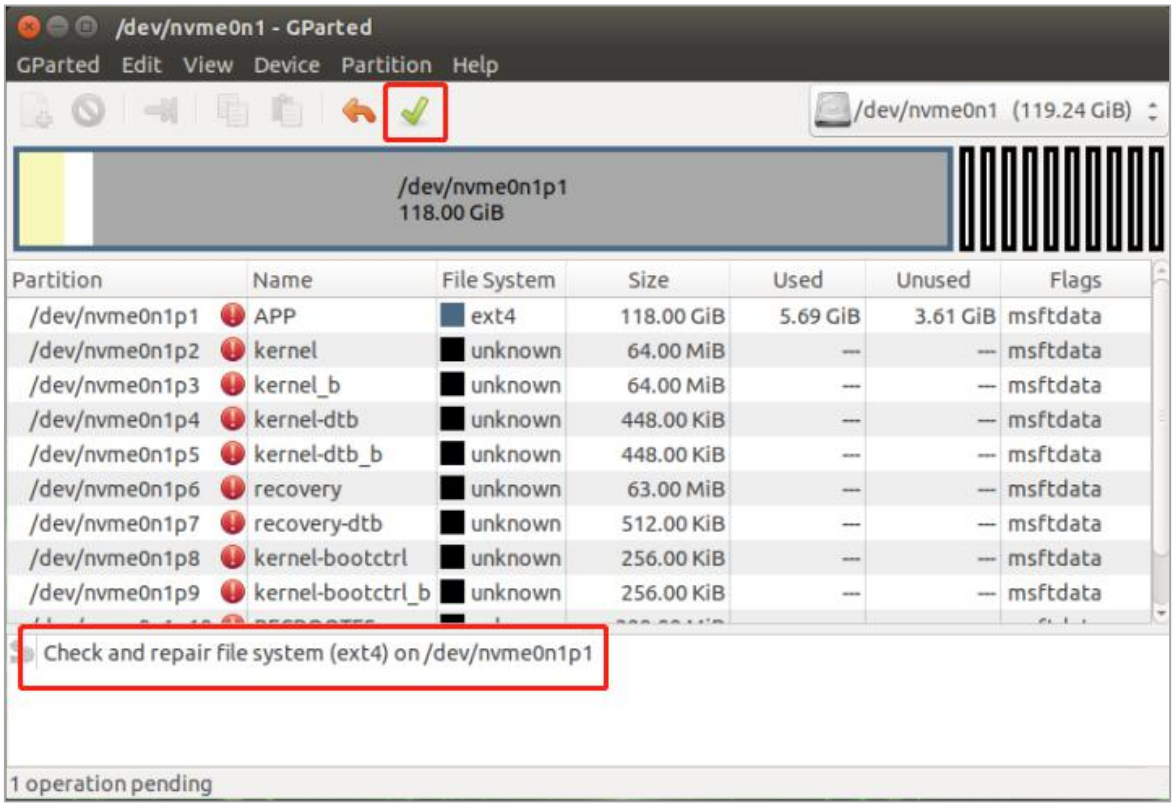
The internal space needs to be re-checked to expand to the entire partition capacity.

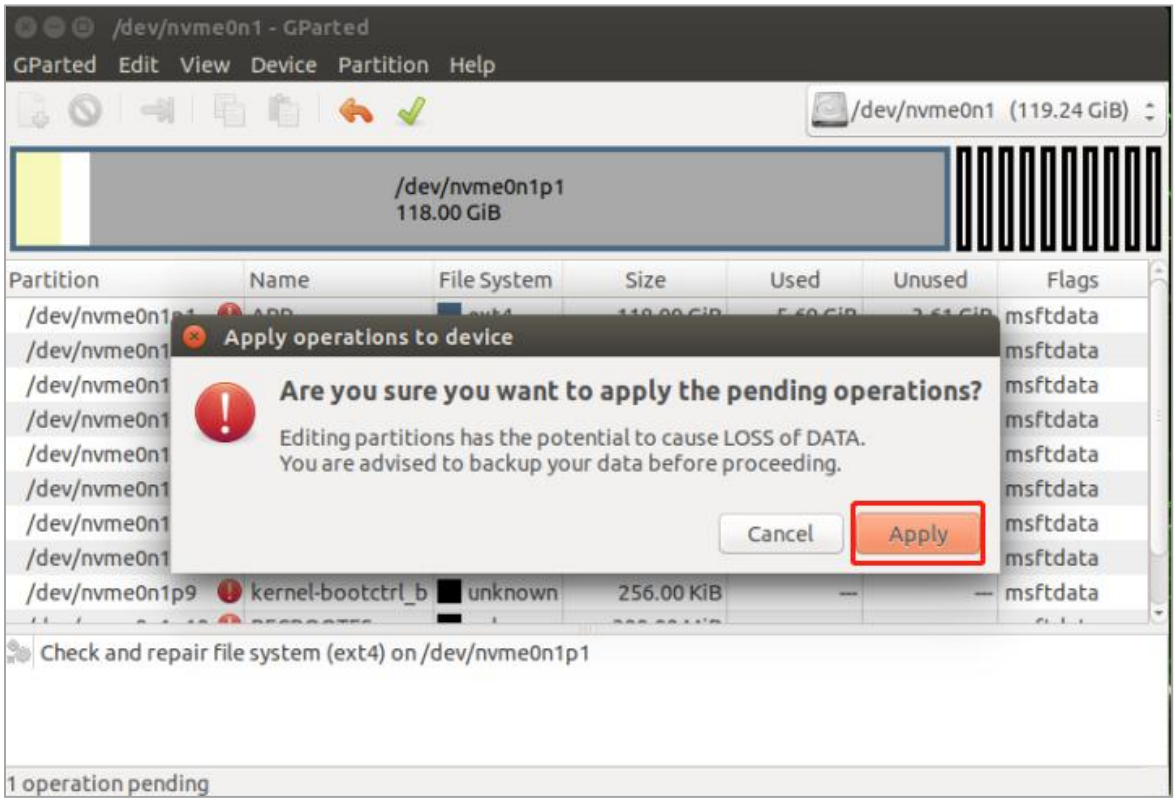
Right-click the APP partition and click “Unmount” to unmount the partition.

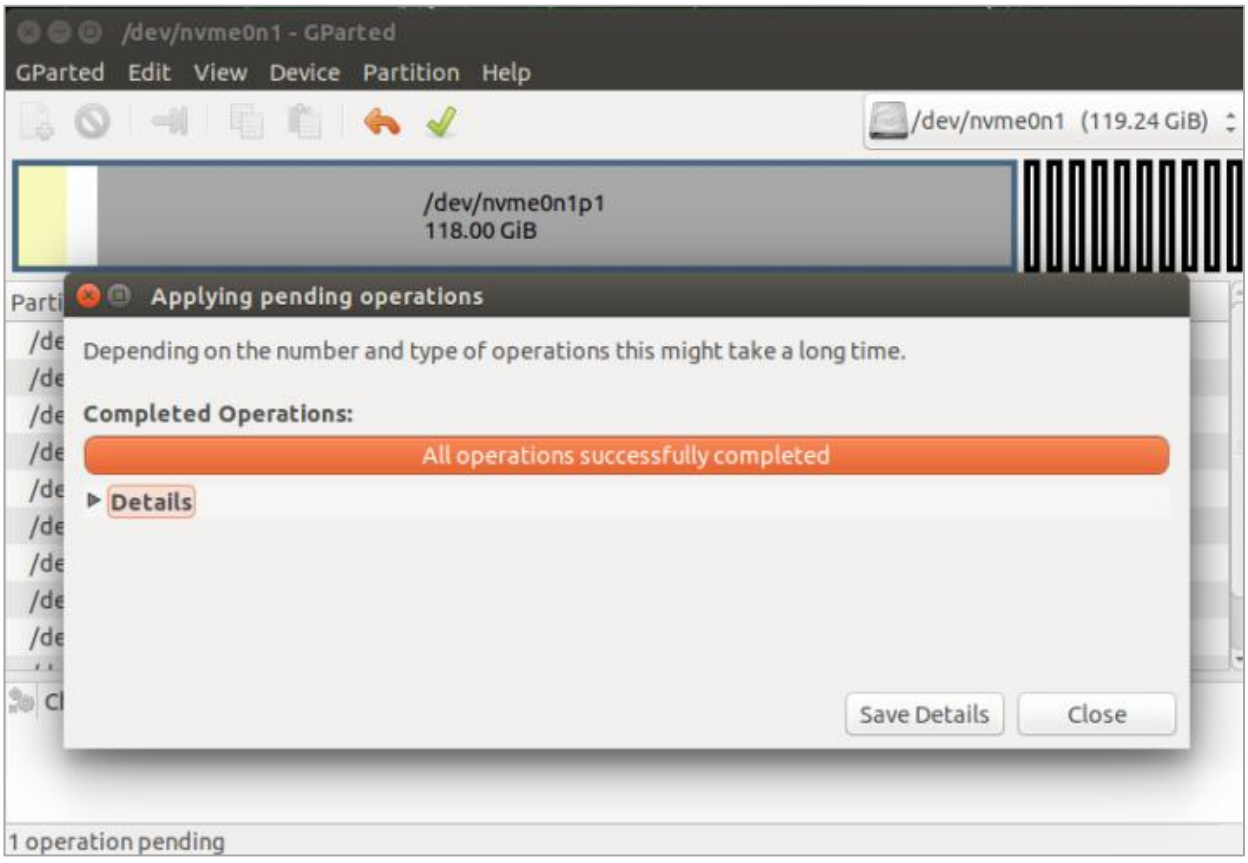


3. Select the APP partition, right-click again, select “Check”, and follow the prompts to complete the operation.

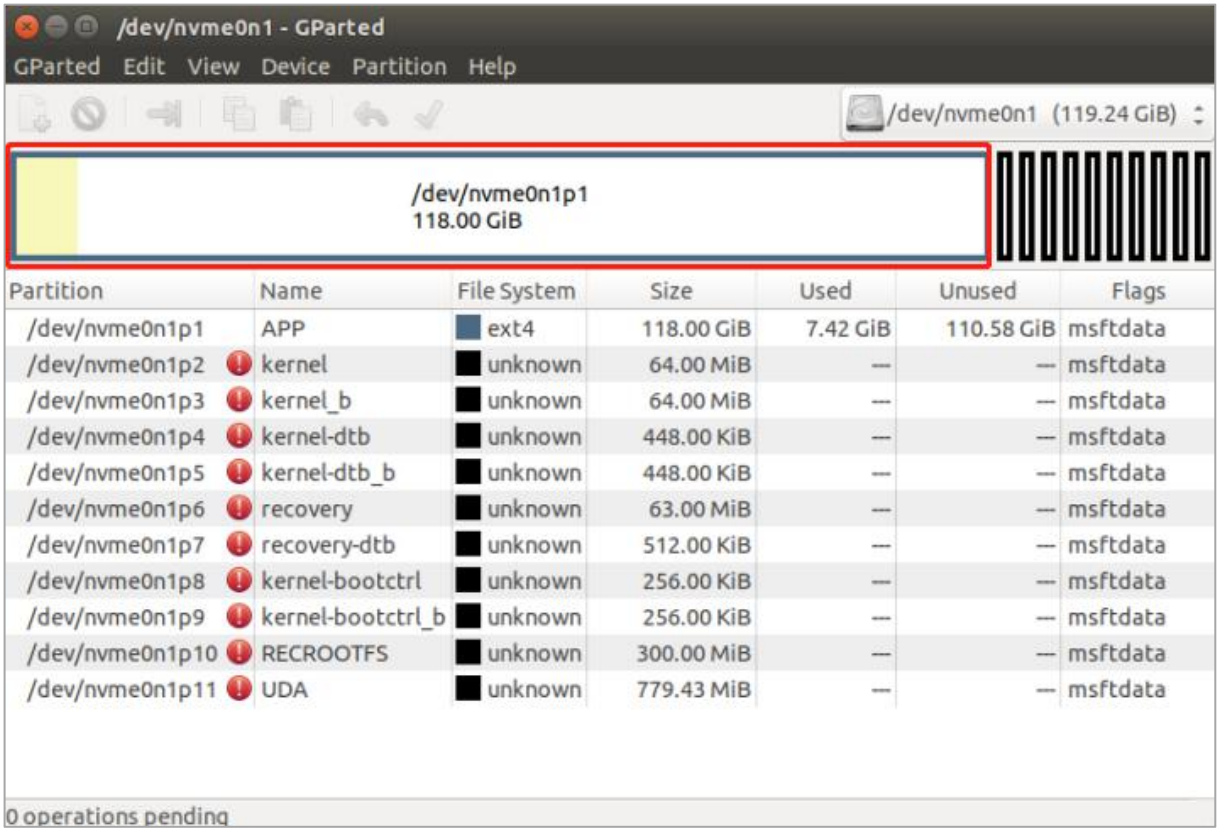





/dev/nvme0n1 - GParted
GParted Edit View Device Partition Help
/dev/nvme0n1 (119.24 GiB)
/dev/nvme0n1p1
118.00 GiB
Partition Name File System Size Used Unused Flags
/dev/nvme0n1p9 kernel-bootctrl_b unknown 256.00 KiB --- --- msftdata
Apply operations to device
Are you sure you want to apply the pending operations?
Editing partitions has the potential to cause LOSS of DATA.
You are advised to backup your data before proceeding.
Cancel
Apply
Check and repair file system (ext4) on /dev/nvme0n1p1
1 operation pending


/dev/nvme0n1 - GParted
GParted Edit View Device Partition Help
/dev/nvme0n1 (119.24 GiB)
/dev/nvme0n1p1
118.00 GiB
Applying pending operations
Depending on the number and type of operations this might take a long time.
Completed Operations:
All operations successfully completed
Details
Save Details
Close
1 operation pending

4. Once that's done, we can see that the gray part turns white.



5. Remove the SSD from the SSD cage and install it on the Jetson NX board.