

Partitioning and Resizing using GParted GUI

- Installing gparted tool in HostPC
- Resizing of Partition(P2)
- Partition-P3 Creation
- Partition-P4 Creation

Installing gparted tool in HostPC



gparted tool Install and usage

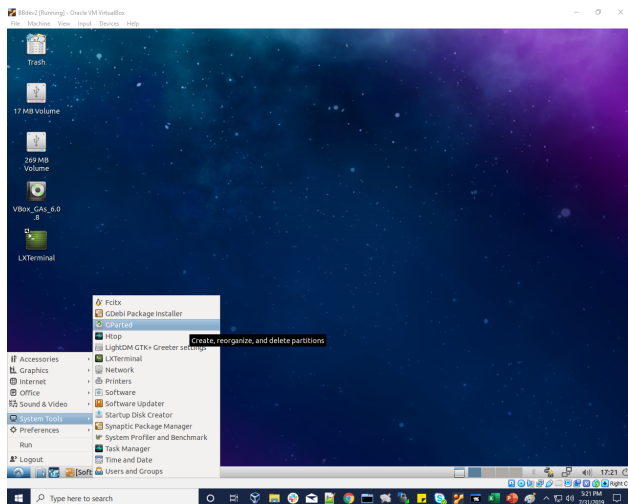
sudo apt-get install gparted

<https://gparted.org/display-doc.php%3Fname%3Dmoving-space-between-partitions>

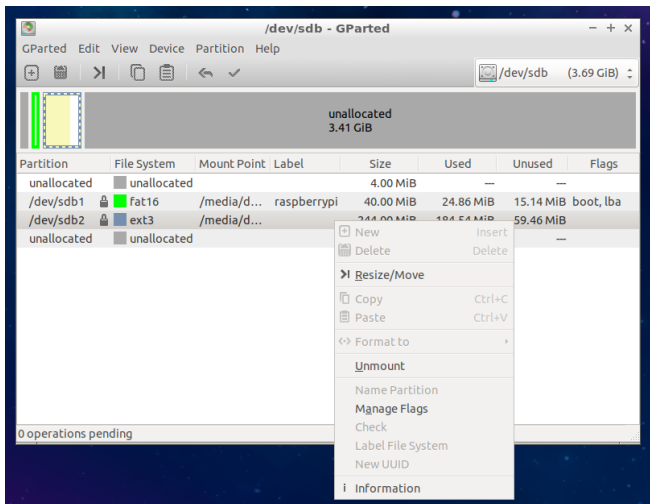
Resizing of Partition(P2)

Please resize the rootfs partition to 2098 MB or 2GB (/dev/sdb1) accordingly from below procedure as captured in various stages

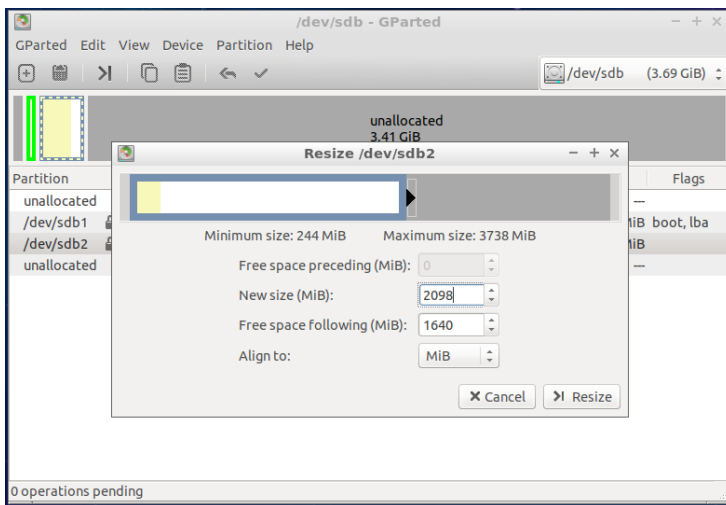
1. Select gparted tool from menu



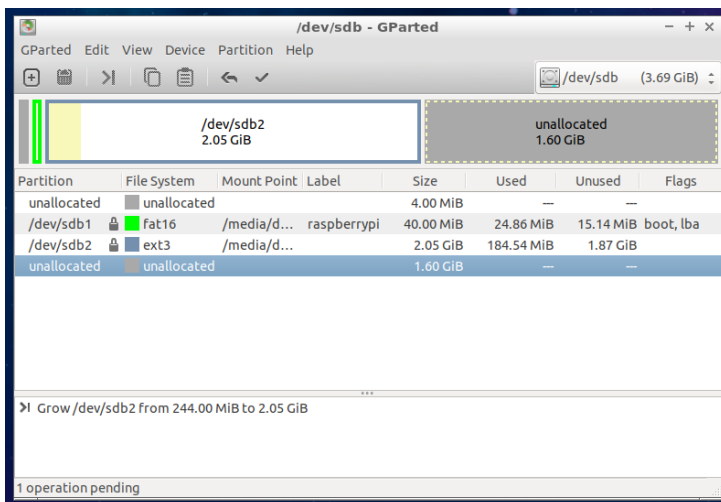
2. Select the rootfs partition of format ext3 for resize/move option



3. Resize the rootfs partition by giving new size image to 2098 MiB

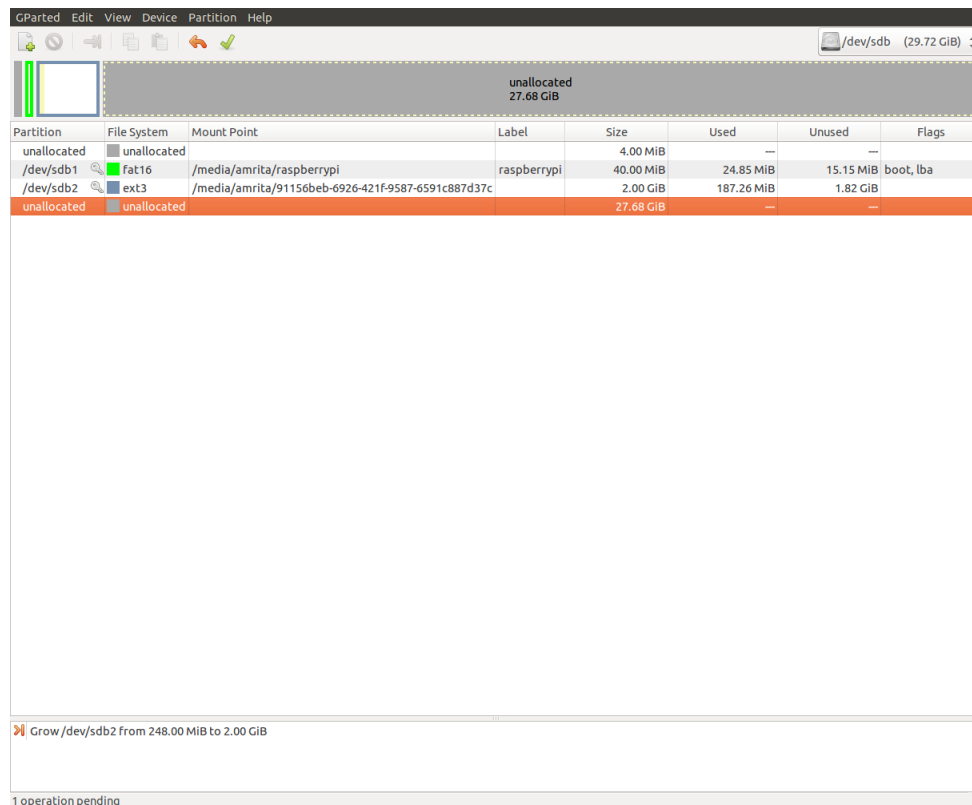


4. After resize , position stands as below

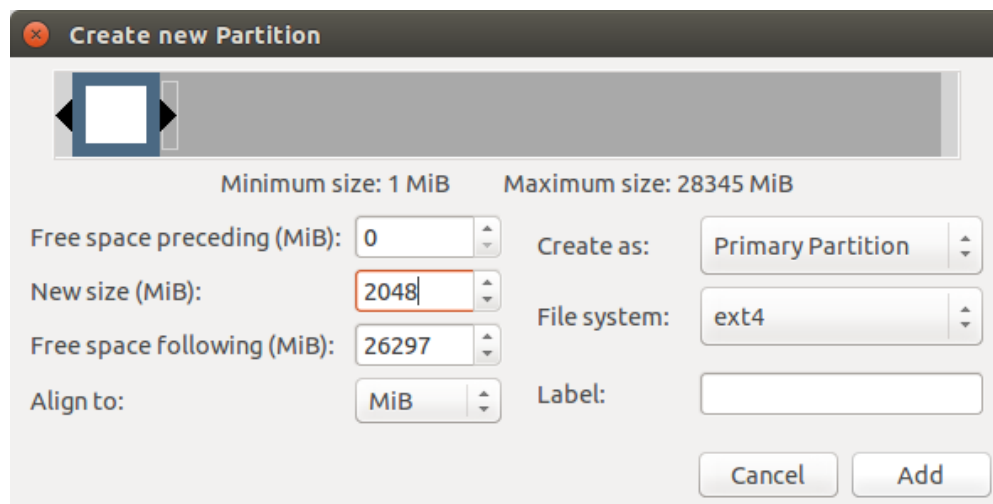


Partition-P3 Creation

1.To Create New P3 partition



2.Allocating space for New Partition.



Partition-P4 Creation

1.To Create New P4 partition.

GPARTED Edit View Device Partition Help

/dev/sdb (29.72 GiB)

unallocated 25.68 GiB

Partition	File System	Mount Point	Label	Size	Used	Unused	Flags
unallocated	unallocated			4.00 MiB	—	—	
/dev/sdb1	fat16	/media/amrita/raspberrypi	raspberrypi	40.00 MiB	24.85 MiB	15.15 MiB	boot, lba
/dev/sdb2	ext3	/media/amrita/91156beb-6926-421f-9587-6591c887d37c		2.00 GiB	187.26 MiB	1.82 GiB	
New Partition #1	ext4			2.00 GiB	—	—	
unallocated	unallocated			25.68 GiB	—	—	

Grow /dev/sdb2 from 248.00 MiB to 2.00 GiB
Create Primary Partition #1 (ext4, 2.00 GiB) on /dev/sdb

2 operations pending

2. Allocating Space for New Partition.

Create new Partition

Minimum size: 1 MiB Maximum size: 26297 MiB

Free space preceding (MiB):

New size (MiB):

Free space following (MiB):

Align to:

Create as:

File system:

Label:

3. After Partition Space will allocated like below,

GParted Edit View Device Partition Help

/dev/sdb (29.72 GiB)

New Partition #2
25.68 GiB

Partition	File System	Mount Point	Label	Size	Used	Unused	Flags
unallocated	unallocated			4.00 MiB	---	---	
/dev/sdb1	fat16	/media/amrita/raspberrypi	raspberrypi	40.00 MiB	24.85 MiB	15.15 MiB	boot, lba
/dev/sdb2	ext3	/media/amrita/91156beb-6926-421f-9587-6591c887d37c		2.00 GiB	187.26 MiB	1.82 GiB	
New Partition #1	ext4			2.00 GiB	---	---	
New Partition #2	ext4			25.68 GiB	---	---	

Grow /dev/sdb2 from 248.00 MiB to 2.00 GiB
 Create Primary Partition #1 (ext4, 2.00 GiB) on /dev/sdb
 Create Primary Partition #2 (ext4, 25.68 GiB) on /dev/sdb

3 operations pending

4.To apply the changes "Press the green Tick" mark on top.

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

5.Press Apply for changes to be change.

✕ □ 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