

■ Quick Guide: Resize Partitions on Linux

■■ Safety First

Back up data before resizing. Unmount partitions before resizing.
`lsblk`

1. Resize with parted

Replace N with partition number and END with new end size, e.g., 100GB.
`sudo parted /dev/sdX resizepart N END`

2. Resize Filesystem

For ext4 partitions. Use `xfs_growfs` for XFS.
`sudo resize2fs /dev/sdXN`

3. Shrink Filesystem

Never shrink mounted partitions.
`sudo e2fsck -f /dev/sdXN`
`sudo resize2fs /dev/sdXN NEW_SIZE`
`sudo parted /dev/sdX resizepart N END`

4. Verify

Check updated size.
`sudo df -h`
`sudo lsblk`