

# Resize ext3 partition

## increase partition size

when increasing the partition size: increase the partiton size, then increase the filesystem size

ext3 partitions can theoretically be resized with parted with the `resize` command but it didn't work in my case, so i used the traditional version. plus parted actually tells you to use other tools for that.. maybe there is something to it :)

```
fsck.ext3 -f /dev/sda1
tune2fs -O ^has_journal /dev/sda1
```

use parted or fdisk to delete the partition and create a new one in the desired increased size starting at the same place (DO NOT create a new filesystem!!) `parted /dev/sda`

```
print (shows the current beginig and ending of partition)
rm 1
mkpart primary START END (end can be -1s to be at the last possible sector of the disk)
quit
```

```
resize2fs /dev/sda1
tune2fs -j /dev/sda1
fsck.ext3 /dev/sda1
```

## shrinking a partition

haven't done this yet. when shrinking a partiton: shrink the filesystem, then shrink the partition. should be prettymuch the same as above in different order. when using `resize2fs` pass the new smaller size as second argument

## post resizing work

change fstab and grub conf if necessary. this is especially necessary if partiton id's have changed. see [harddisks\\_by\\_uuid\\_in\\_debian\\_lenny](#)

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