

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](#)

From:
<http://wiki.psuter.ch/> - pswiki

Permanent link:
http://wiki.psuter.ch/doku.php?id=resize_ext3_filesystem&rev=1333279725

Last update: **01.04.2012 13:28**

