

## Resize\_raid\_array\_and\_create\_second\_array

### Misc commands to resize raid array and create a second array

```
parted /dev/sda
#resize 3
#gave out an error saying unsupported features. It showed what features were supported with resize.
dumpe2fs /dev/sda3
debugfs -w /dev/sda3 -R "features ^ext_attr"
debugfs -w /dev/sda3 -R "features ^resize_inode"
parted was then able to resize the partitions.

mdadm --create /dev/md3 --level 1 --raid-devices=2 /dev/sda3 /dev/sdb3
#I tried to assemble the md2 array using mdadm --assemble /dev/md2 /dev/sda3 /dev/sdb3 but it said t
#mdadm examine and detail of md2 and the individual partitions showed no superblock either.
#As a result the array had to be created with the above command. It also resynced itself ok.

mdadm --create /dev/md3 --level 1 --raid-devices=2 /dev/sda4 /dev/sdb4
pvcreate /dev/md3
vgcreate mainvol /dev/md3
```

**Make sure to update /etc/mdadm/mdadm.conf with the correct UUID (mdadm --examine --scan) otherwise the mdadm wont auto assembly on boot.**

Links: <http://kevin.deldycke.com/2007/03/how-to-recover-a-raid-array-after-having-zero-ized-superblocks/>  
[http://wiki.kartbuilding.net/index.php/RAID\\_1\\_and\\_Xen\\_\(dom0\)](http://wiki.kartbuilding.net/index.php/RAID_1_and_Xen_(dom0))  
[http://wiki.kartbuilding.net/index.php/LVM\\_on\\_XEN\\_\(dom0\)](http://wiki.kartbuilding.net/index.php/LVM_on_XEN_(dom0))  
<http://serverfault.com/questions/43897/how-do-i-get-mdadm-to-auto-assemble-my-raid-array>

## Old / Not used

The following below didn't work. It is just here for reference.

```
e2fsck -f /dev/md2
resize2fs /dev/md2 300G
mdadm --grow /dev/md2 --size=335544320 (use 320GB to be save. 320 x 1024 x 1024)
resize2fs /dev/md2
e2fsck -f /dev/md2
Link: http://www.howtoforge.com/how-to-resize-raid-partitions-shrink-and-grow-software-raid
```