Building RAID1

[Debian](#) [TS-WXL](#)

Add sdb to md.

/dev/md0

```
tswxl:~# mdadm -a /dev/md0 /dev/sdb1
md: bind
RAID1 conf printout:
 --- wd:1 rd:2
 disk 0, wo:0, o:1, dev:sda1
 disk 1, wo:1, o:1, dev:sdb1
md: recovery of RAID array md0
md: minimum _guaranteed_  speed: 1000 KB/sec/disk.
md: using maximum available idle IO bandwidth (but not more than 50000 KB/sec) for recovery.
md: using 128k window, over a total of 999872 blocks.
mdadm: added /dev/sdb1
tswxl:~# cat /proc/mdstat
Personalities : [raid0] [raid1] [raid6] [raid5] [raid4]
md1 : active raid1 sda2[0]
      4999936 blocks [2/1] [U_]

md10 : active raid1 sda5[0]
      999872 blocks [2/1] [U_]

md0 : active raid1 sdb1[2] sda1[0]
      999872 blocks [2/1] [U_]
      [======>.............]  recovery = 34.9% (350080/999872) finish=0.2min speed=50012K/sec

unused devices:
odxl: ~ #
```

After a while,,,,,

```
tswxl:~# md: md0: recovery done.
RAID1 conf printout:
 --- wd:2 rd:2
 disk 0, wo:0, o:1, dev:sda1
 disk 1, wo:0, o:1, dev:sdb1
cat /proc/mdstat
Personalities : [raid0] [raid1] [raid6] [raid5] [raid4]
md1 : active raid1 sda2[0]
      4999936 blocks [2/1] [U_]

md10 : active raid1 sda5[0]
      999872 blocks [2/1] [U_]

md0 : active raid1 sdb1[1] sda1[0]
      999872 blocks [2/2] [UU]

unused devices:
odxl: ~ #
```

/dev/md1

```
tswxl:~# mdadm -a /dev/md1 /dev/sdb2
md: bind
```
```
RAID1 conf printout:
 --- wd:1 rd:2
 disk 0, wo:0, o:1, dev:sda2
 disk 1, wo:1, o:1, dev:sdb2
md: recovery of RAID array md1
md: minimum _guaranteed_  speed: 1000 KB/sec/disk.
md: using maximum available idle IO bandwidth (but not more than 50000 KB/sec) for recovery.
md: using 128k window, over a total of 4999936 blocks.
mdadm: added /dev/sdb2
tswxl:~# cat /proc/mdstat
Personalities : [raid0] [raid1] [raid6] [raid5] [raid4]
md1 : active raid1 sdb2[2] sda2[0]
      4999936 blocks [2/1] [U_]
      [>...................]  recovery =  1.9% (95488/4999936) finish=1.6min speed=48705K/sec

md10 : active raid1 sda5[0]
      999872 blocks [2/1] [U_]

md0 : active raid1 sdb1[1] sda1[0]
      999872 blocks [2/2] [UU]

unused devices:
tswxl:~# md: md1: recovery done.
RAID1 conf printout:
 --- wd:2 rd:2
 disk 0, wo:0, o:1, dev:sda2
 disk 1, wo:0, o:1, dev:sdb2

tswxl:~# !cat
cat /proc/mdstat
Personalities : [raid0] [raid1] [raid6] [raid5] [raid4]
md1 : active raid1 sdb2[1] sda2[0]
      4999936 blocks [2/2] [UU]

md10 : active raid1 sda5[0]
      999872 blocks [2/1] [U_]

md0 : active raid1 sdb1[1] sda1[0]
      999872 blocks [2/2] [UU]

unused devices:
odxl: ~ #
```

/dev/md10

```
tswxl:~# mdadm -a /dev/md10 /dev/sdb5
md: bind
RAID1 conf printout:
 --- wd:1 rd:2
 disk 0, wo:0, o:1, dev:sda5
 disk 1, wo:1, o:1, dev:sdb5
md: recovery of RAID array md10
md: minimum _guaranteed_  speed: 1000 KB/sec/disk.
md: using maximum available idle IO bandwidth (but not more than 50000 KB/sec) for recovery.
md: using 128k window, over a total of 999872 blocks.
mdadm: added /dev/sdb5
tswxl:~# cat /proc/mdstat
Personalities : [raid0] [raid1] [raid6] [raid5] [raid4]
md1 : active raid1 sdb2[1] sda2[0]
      4999936 blocks [2/2] [UU]
```

```
md10 : active raid1 sdb5[2] sda5[0]
      999872 blocks [2/1] [U_]
      [====>...............]  recovery = 24.9% (250112/999872) finish=0.2min speed=50023K/sec

md0 : active raid1 sdb1[1] sda1[0]
      999872 blocks [2/2] [UU]

unused devices:
tswxl:~# md: md10: recovery done.
RAID1 conf printout:
 --- wd:2 rd:2
 disk 0, wo:0, o:1, dev:sda5
 disk 1, wo:0, o:1, dev:sdb5

tswxl:~# cat /proc/mdstat
Personalities : [raid0] [raid1] [raid6] [raid5] [raid4]
md1 : active raid1 sdb2[1] sda2[0]
      4999936 blocks [2/2] [UU]

md10 : active raid1 sdb5[1] sda5[0]
      999872 blocks [2/2] [UU]

md0 : active raid1 sdb1[1] sda1[0]
      999872 blocks [2/2] [UU]

unused devices:
odxl: ~ #
```

Restart and confirm

Restart and confirm just in case

```
tswxl:~# shutdown -r now
INIT: Switching to runlevel: 6
INIT: Sending processes the TERM signal
        :
        :
Debian GNU/Linux 5.0 tswxl ttyS0

tswxl login: root
Password:
Last login: Fri May  7 06:24:51 JST 2010 on ttyS0
Linux odxl 2.6.22.18-mv78100 # 134 Thu Feb 4 11:14:40 JST 2010 armv5tejl

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permitted by applicable law.
tswxl:~# cat /proc/mdstat
Personalities : [raid0] [raid1] [raid6] [raid5] [raid4]
md1 : active raid1 sda2[0] sdb2[1]
      4999936 blocks [2/2] [UU]

md10 : active raid1 sda5[0] sdb5[1]
      999872 blocks [2/2] [UU]

md0 : active raid1 sda1[0] sdb1[1]
      999872 blocks [2/2] [UU]

unused devices:
odxl: ~ #
```

So go

TS-WXL