

Re: Increasing Space in Software Raid

Source: <http://linux.derkeiler.com/Mailing-Lists/RedHat/2008-01/msg00265.html>

- *From:* "nilesh vaghela" <nileshj.vaghela@xxxxxxxxxx>
 - *Date:* Wed, 30 Jan 2008 08:57:37 +0530
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Hi,

can use

Grow Grow (or shrink) an array, or otherwise reshape it in some way.
Currently supported growth options including changing the active size of component devices in RAID level 1/4/5/6 and changing the number of active devices in RAID1.

Try to add two hdd with grow , once if you feel everything ok just remove the old partition with mdadm.

Or manual method.
create /dev/mdN

with your new two hdd and boot with rescue mode and try something like tar , dump etc to copy all the data to new raid device.
Change your mounting device in fstab and grub.
Reboot and check.

Thanx

On Jan 30, 2008 8:07 AM, <culkinj3@xxxxxxxxxxxxxx> wrote:

Hello

I have a server running RHEL 4 and it has a software Raid (1) of 2 250 gb Sata disks. I want to upgrade this to two 750 gb disks in a Raid 1 configuration. There is not another SATA slot available.

Here is some more information

```
# df -ah
/dev/md1 229G 196G 21G 91% /
none 0 0 0 - /proc
none 0 0 0 - /sys
```

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```
none 0 0 0 - /dev/pts
usbfs 0 0 0 - /proc/bus/usb
/dev/md0 99M 11M 83M 12% /boot
none 505M 0 505M 0% /dev/shm
none 0 0 0 - /proc/sys/fs/binfmt_misc
automount(pid2042) 0 0 0 - /var/autofs/bacula
/dev/sdc1 451G 340G 88G 80% /mnt/usb
#
cat /proc/mdstat
Personalities : [raid1]
md1 : active raid1 sda3[0]
242983040 blocks [2/1] [U_]

md0 : active raid1 sda1[0]
104320 blocks [2/1] [U_]

unused devices: <none>
```

```
# cat /etc/fstab
/dev/md1 / ext3 defaults 1 1
/dev/md0 /boot ext3 defaults 1 2
none /dev/pts devpts gid=5,mode=620 0 0
none /dev/shm tmpfs defaults 0 0
none /proc proc defaults 0 0
none /sys sysfs defaults 0 0
LABEL=SWAP-sdb2 swap swap defaults 0 0
LABEL=SWAP-sda2 swap swap defaults 0 0
/dev/sdc1 /mnt/usb ext3 defaults 0 0
```

Any suggestions/tips?

-- John C.

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