



# DMRaid Bug Report

4 messages

Andrew Nagi <andrew.nagi@gmail.com>

18 September 2010 13:25

To: Maelshagen@redhat.com

Dear Sir/ Madam,

This is the first bug report I have filled out for linux, so please forgive me if I am sending it to the wrong person. I do not know if this is a dmraid bug or a gparted bug, so I had to take a guess.

GParted 0.5.1

Libparted 2.2

dmraid version: 1.0.0.rc16 (2009.09.16) shared  
dmraid library version: 1.0.0.rc16 (2009.09.16)  
device-mapper version: unknown

Motherboard: ASRock m3a785gm-le/128m - uses amd785g and amd sb710 chipsets

-----  
Possible Bug: Partitioning with DMRaid and GParted fail

What might be the problem: GParted expects first partition of /dev/pdc\_caafahgcei to be called /dev/mapper/pdc\_caafahgcei1, but it gets called /dev/mapper/pdc\_caafahgcei**p**1

To recreate:

- 1) Run mint amd64 installer
- 2) Don't use installer yet, as partitioning will fail (maybe for the same reason?)
- 3) gksu gparted /dev/mapper/pdc\_caafahgcei (perhaps it is a minor issue that gparted does not detect the fakeRaid array?)
- 4) make a partition and apply

-----  
GParted 0.5.1

Libparted 2.2

**Create Primary Partition #1 (ext4, 258.86 MiB) on /dev/mapper/pdc\_caafahgcei 00:00:03 ( ERROR )**

create empty partition 00:00:00 ( SUCCESS )

path: /dev/mapper/pdc\_caafahgcei1

start: 63

end: 530144

size: 530082 (258.83 MiB)

set partition type on /dev/mapper/pdc\_caafahgcei1 00:00:00 ( SUCCESS )

new partition type: ext4

create new ext4 file system 00:00:03 ( ERROR )

**mkfs.ext4 -j -O extent -L "" /dev/mapper/pdc\_caafahgcei1**

mke2fs 1.41.11 (14-Mar-2010)

Could not stat /dev/mapper/pdc\_caafahgcei1 --- No such file or directory

The device apparently does not exist; did you specify it correctly?

=====  
**Create Primary Partition #2 (ntfs, 180.58 GiB) on /dev/mapper/pdc\_caafahgcei**

=====  
**Create Primary Partition #3 (unformatted, 11.72 GiB) on /dev/mapper/pdc\_caafahgcei**

=====  
**Create Extended Partition #4 (extended, 105.47 GiB) on /dev/mapper/pdc\_caafahgcei**

=====  
**Create Logical Partition #5 (ext4, 101.46 GiB) on /dev/mapper/pdc\_caafahgcei**

=====  
**Create Logical Partition #6 (linux-swap, 4.01 GiB) on /dev/mapper/pdc\_caafahgcei**

-----  
mint@mint /dev/mapper \$ ls  
control pdc\_caafahgcei pdc\_caafahgceip1

Run failing command copy/pasted from the above log in a terminal...

mint@mint /dev/mapper \$ sudo mkfs.ext4 -j -O extent -L "" /dev/mapper/pdc\_caafahgcei1  
mke2fs 1.41.11 (14-Mar-2010)  
Could not stat /dev/mapper/pdc\_caafahgcei1 --- No such file or directory  
The device apparently does not exist; did you specify it correctly?

...this works OK after adding a 'p'.

mint@mint /dev/mapper \$ sudo mkfs.ext4 -j -O extent -L "" /dev/mapper/pdc\_caafahgceip1  
mke2fs 1.41.11 (14-Mar-2010)  
Filesystem label=  
OS type: Linux  
Block size=1024 (log=0)  
Fragment size=1024 (log=0)  
Stride=0 blocks, Stripe width=0 blocks  
66264 inodes, 265040 blocks  
13252 blocks (5.00%) reserved for the super user  
First data block=1  
Maximum filesystem blocks=67633152  
33 block groups  
8192 blocks per group, 8192 fragments per group  
2008 inodes per group  
Superblock backups stored on blocks:  
8193, 24577, 40961, 57345, 73729, 204801, 221185

Writing inode tables: done  
Creating journal (8192 blocks): done  
Writing superblocks and filesystem accounting information: done

This filesystem will be automatically checked every 21 mounts or 180 days, whichever comes first. Use tune2fs -c or -i to override.

---

**Heinz Mauelshagen <heinzm@redhat.com>**

**20 September 2010 12:12**

Reply-To: heinzm@redhat.com  
To: Andrew Nagi <andrew.nagi@gmail.com>  
Cc: Mauelshagen@redhat.com

Hi,

did you get accross the dmraid option "-P".  
Try "-P" (can't try myself right now) and see if that works.

Regards,  
Heinz

[Quoted text hidden]

---

**Andrew Nagi <andrew.nagi@gmail.com>**

**20 September 2010 13:16**

To: heinzm@redhat.com  
Cc: Mauelshagen@redhat.com

Heinz,

Thank you for your reply. I did not come across the -P option. Unfortunately, I can not try this out as I do not have spare SATA drives to make a fakeRaid array for testing.

I managed to re-load dmraid with "dmraid -tay -d -vv", which created some more devices in /dev/mapper/ which the installer could see.

I would say this is a bug in the Mint (and maybe ubuntu / debian ) installer which may be calling something like "dmraid -Pp" which is incompatible with the partitioning tools, and I should report this issue to Mint. Is that correct?

Thanks again,  
Andrew

[Quoted text hidden]

---

**Heinz Mauelshagen <heinzm@redhat.com>**

**21 September 2010 19:41**

Reply-To: heinzm@redhat.com  
To: Andrew Nagi <andrew.nagi@gmail.com>  
Cc: Mauelshagen@redhat.com

On Mon, 2010-09-20 at 13:16 +0100, Andrew Nagi wrote:

> Heinz,

>

>

> Thank you for your reply. I did not come across the -P  
> option. Unfortunately, I can not try this out as I do not have spare  
> SATA drives to make a fakeRaid array for testing.

>

>

> I managed to re-load dmraid with "dmraid -tay -d -vv", which created  
> some more devices in /dev/mapper/ which the installer could see.

>

>

> I would say this is a bug in the Mint (and maybe ubuntu / debian )  
> installer which may be calling something like "dmraid -Pp" which is  
> incompatible with the partitioning tools, and I should report this  
> issue to Mint. Is that correct?

Yes, I'd think so.

Regards,

Heinz

[Quoted text hidden]

---