
Subject: Problems encountered increasing CT disk space with layout=ploop

Posted by [svensirk](#) on Mon, 26 Mar 2012 15:34:19 GMT

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Hi,

I have the same problem with a converted CT.

I converted from simfs to ploop using

```
vzctl convert <CTID> --layout ploop
```

After conversion I started the CT and tried to resize:

```
vzctl set <CTID> --diskspace 75G --save
```

Can't ioctl mount_point: No such file or directory

Failed to resize image: Can't ioctl mount_point: No such file or directory

[3]

CT configuration saved to /etc/vz/conf/<CTID>.conf

I can start/stop/chkpnt and restore the CT without any problems.

Only resize does not work.

I am Using

CentOS 6.2 64bit

vzctl version 3.1

ploop version 1.1

Kernel 2.6.32-042stab053.3

best regards,

Sirk

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Subject: Re: Problems encountered increasing CT disk space with layout=ploop

Posted by [kir](#) on Tue, 27 Mar 2012 11:11:19 GMT

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> Hi,

>

> I have the same problem with a converted CT.

> I converted from simfs to ploop using

>

> vzctl convert <CTID> --layout ploop

```
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> After conversion I started the CT and tried to resize:
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> directory [3]
> CT configuration saved to /etc/vz/conf/<CTID>.conf
```

First of all, I would like to have such reports as bugs in bugzilla.openvz.org rather than emails to users@. Bugzilla is specifically designed to track bugs, while on a mailing list it could easily be lost.

Now, can I ask you to debug this for me (since I am unable to reproduce it).

1. If you happen to have vzctl convert output, please show it. I am especially interested in the line mentioning balloon.

2. Can I see the line in /proc/mounts regarding this mount? it can be obtained by e.g.

```
cat /proc/mounts | grep -w <CTID> | grep ploop
```

Provided this, I will ask for more later.

Subject: Re: Problems encountered increasing CT disk space with layout=ploop
Posted by [svensirk](#) on Tue, 27 Mar 2012 12:04:36 GMT
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Hi,

Sorry for not posting in Bugzilla.

I found this thread and figured it was the right place to discuss.

Do you want me to open a bug in bugzilla ?

Here is the mount line:

```
/dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=ordered 0 0
```

btw. resizing while the container is stopped does work.

Here is some output:

```
vzctl set 102 --diskspace 77G --save
```

```
Can't ioctl mount_point: No such file or directory
```

```
Failed to resize image: Can't ioctl mount_point: No such file or directory
```

```
[3]
```

```
CT configuration saved to /etc/vz/conf/102.conf
```

```
[root@testsystem1 ~]# cat /proc/mounts | grep -w 102 | grep ploop
/dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=ordered 0 0
[root@testsystem1 ~]# vzctl stop 102
Stopping container ...
Container was stopped
Unmounting fs at /srv/vz/root/102
Unmounting device /dev/ploop0
Container is unmounted
[root@testsystem1 ~]# vzctl set 102 --diskspace 77G --save
Adding delta dev=/dev/ploop0 img=/srv/vz/private/102/root.hdd/root.hdd (rw)
Mounting /dev/ploop0p1 at /srv/vz/private/102/root.hdd/root.hdd.mnt
fstype=ext4 data='balloon_ino=12,'
Growing dev=/dev/ploop0 size=150720512 sectors (new size=161480704)
Storing GPT
Executing: /sbin/resize2fs -p /dev/ploop0p1
resize2fs 1.41.12 (17-May-2010)
Das Dateisystem auf /dev/ploop0p1 ist auf
/srv/vz/private/102/root.hdd/root.hdd.mnt eingehängt;
Online-Größenveränderung nötig
old desc_blocks = 5, new_desc_blocks = 5
Führe eine Online-Größenänderung von /dev/ploop0p1 auf 20184827 (4k)
Blöcke durch.
Das Dateisystem auf /dev/ploop0p1 ist nun 20184827 Blöcke groß.
```

```
Executing: /sbin/tune2fs -r 1009254 /dev/ploop0p1
tune2fs 1.41.12 (17-May-2010)
Setze die Anzahl der reservierten Blöcke auf 1009254
Unmounting fs at /srv/vz/private/102/root.hdd/root.hdd.mnt
Unmounting device /dev/ploop0
CT configuration saved to /etc/vz/conf/102.conf
```

After starting it again, it is not working anymore:

```
vzctl start 102
Starting container ...
Adding delta dev=/dev/ploop0 img=/srv/vz/private/102/root.hdd/root.hdd (rw)
Mounting /dev/ploop0p1 at /srv/vz/root/102 fstype=ext4
data='balloon_ino=12,'
Container is mounted
Adding IP address(es): 192.168.2.12
Setting CPU limit: 400
Setting CPU units: 1000
Setting CPUs: 4
Container start in progress...
```

```
[root@testsystem1 ~]# cat /proc/mounts | grep -w 102 | grep ploop
/dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=ordered 0 0
```

```
[root@testsystem1 ~]# vzctl set 102 --diskspace 77G --save
Can't ioctl mount_point: No such file or directory
Failed to resize image: Can't ioctl mount_point: No such file or directory
[3]
CT configuration saved to /etc/vz/conf/102.conf
```

But if i do a chkpnt and restore it suddenly works:

```
[root@testsystem1 ~]# vzctl chkpnt 102
Setting up checkpoint...
suspend...
dump...
kill...
Checkpointing completed successfully
Unmounting fs at /srv/vz/root/102
Unmounting device /dev/ploop0
Container is unmounted
[root@testsystem1 ~]# vzctl restore 102
Restoring container ...
Starting container ...
Adding delta dev=/dev/ploop0 img=/srv/vz/private/102/root.hdd/root.hdd (rw)
Mounting /dev/ploop0p1 at /srv/vz/root/102 fstype=ext4
data='balloon_ino=12,'
Container is mounted
undump...
Adding IP address(es): 192.168.2.12
Setting CPU limit: 400
Setting CPU units: 1000
Setting CPUs: 4
resume...
Container start in progress...
Restoring completed successfully
[root@testsystem1 ~]# cat /proc/mounts | grep -w 102 | grep ploop
/dev/ploop0p1 /srv/vz/root/102 ext4
rw,relatime,barrier=1,data=ordered,balloon_ino=12 0 0
```

```
[root@testsystem1 ~]# vzctl set 102 --diskspace 78G --save
Growing dev=/dev/ploop0 size=161480704 sectors (new size=163577856)
Storing GPT
Executing: /sbin/resize2fs -p /dev/ploop0p1
resize2fs 1.41.12 (17-May-2010)
Das Dateisystem auf /dev/ploop0p1 ist auf /srv/vz/root/102 eingehängt;
Online-Größenveränderung nötig
old desc_blocks = 5, new_desc_blocks = 5
Führe eine Online-Größenänderung von /dev/ploop0p1 auf 20446971 (4k)
Blöcke durch.
Das Dateisystem auf /dev/ploop0p1 ist nun 20446971 Blöcke groß.
```

Executing: /sbin/tune2fs -r 1022361 /dev/ploop0p1
tune2fs 1.41.12 (17-May-2010)
Setze die Anzahl der reservierten Blöcke auf 1022361
CT configuration saved to /etc/vz/conf/102.conf

It seems, that vzctl start does not really issue the balloon_ino option.

best regards and many thanks,

Sirk

2012/3/27 Kir Kolyshkin <kir@openvz.org>

> Hi,
>>
>> I have the same problem with a converted CT.
>> I converted from simfs to ploop using
>>
>> vzctl convert <CTID> --layout ploop
>>
>> After conversion I started the CT and tried to resize:
>>
>> vzctl set <CTID> --diskspace 75G --save
>> Can't ioctl mount_point: No such file or directory
>> Failed to resize image: Can't ioctl mount_point: No such file or
>> directory [3]
>> CT configuration saved to /etc/vz/conf/<CTID>.conf
>>
>
> First of all, I would like to have such reports as bugs in
> bugzilla.openvz.org rather than emails to users@. Bugzilla is
> specifically designed to track bugs, while on a mailing list it could
> easily be lost.
>
> Now, can I ask you to debug this for me (since I am unable to reproduce
> it).
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> especially interested in the line mentioning balloon.
>
> 2. Can I see the line in /proc/mounts regarding this mount? it can be
> obtained by e.g.
> cat /proc/mounts | grep -w <CTID> | grep ploop
>
> Provided this, I will ask for more later.
>

--

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Geschäftsführer:

Dipl.-Kfm. Christian Satz

Dipl.-Inform. Markus Meyer-Westphal

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Subject: Re: Problems encountered increasing CT disk space with layout=ploop
Posted by [kir](#) on Tue, 27 Mar 2012 12:48:10 GMT
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> Hi,
>
> Sorry for not posting in Bugzilla.
> I found this thread and figured it was the right place to discuss.
> Do you want me to open a bug in bugzilla ?

Yes please.

> Here is the mount line:
> /dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=ordered 0 0

Right, no balloon_ino option...

>
>
> btw. resizing while the container is stopped does work.
>
> Here is some output:
> vzctl set 102 --diskspace 77G --save
> Can't ioctl mount_point: No such file or directory
> Failed to resize image: Can't ioctl mount_point: No such file or
> directory [3]
> CT configuration saved to /etc/vz/conf/102.conf

```

> [root@testsystem1 ~]# cat /proc/mounts | grep -w 102 | grep ploop
> /dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=ordered 0 0
> [root@testsystem1 ~]# vzctl stop 102
> Stopping container ...
> Container was stopped
> Umounting fs at /srv/vz/root/102
> Umounting device /dev/ploop0
> Container is unmounted
> [root@testsystem1 ~]# vzctl set 102 --diskspace 77G --save
> Adding delta dev=/dev/ploop0 img=/srv/vz/private/102/root.hdd/root.hdd
> (rw)
> Mounting /dev/ploop0p1 at /srv/vz/private/102/root.hdd/root.hdd.mnt
> fstype=ext4 data='balloon_ino=12,'
> Growing dev=/dev/ploop0 size=150720512 sectors (new size=161480704)
> Storing GPT
> Executing: /sbin/resize2fs -p /dev/ploop0p1
> resize2fs 1.41.12 (17-May-2010)
> Das Dateisystem auf /dev/ploop0p1 ist auf
> /srv/vz/private/102/root.hdd/root.hdd.mnt eingehängt;
> Online-Größenveränderung nötig
> old desc_blocks = 5, new_desc_blocks = 5
> Führe eine Online-Größenänderung von /dev/ploop0p1 auf 20184827 (4k)
> Blöcke durch.
> Das Dateisystem auf /dev/ploop0p1 ist nun 20184827 Blöcke groß.
>
> Executing: /sbin/tune2fs -r 1009254 /dev/ploop0p1
> tune2fs 1.41.12 (17-May-2010)
> Setze die Anzahl der reservierten Blöcke auf 1009254
> Umounting fs at /srv/vz/private/102/root.hdd/root.hdd.mnt
> Umounting device /dev/ploop0
> CT configuration saved to /etc/vz/conf/102.conf
>
> After starting it again, it is not working anymore:
>
> vzctl start 102
> Starting container ...
> Adding delta dev=/dev/ploop0 img=/srv/vz/private/102/root.hdd/root.hdd
> (rw)
> Mounting /dev/ploop0p1 at /srv/vz/root/102 fstype=ext4
> data='balloon_ino=12,'

```

See -- balloon_ino option is passed on...

```

> Container is mounted
> Adding IP address(es): 192.168.2.12
> Setting CPU limit: 400
> Setting CPU units: 1000
> Setting CPUs: 4

```

```
> Container start in progress...
>
> [root@testsystem1 ~]# cat /proc/mounts | grep -w 102 | grep ploop
> /dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=ordered 0 0
```

but it is not here. Hmm.

Can you check the dmesg please?

There should be something like

```
[597088.246208] ploop3: p1
[597088.288093] EXT4-fs (ploop3p1): mounted filesystem with ordered data
mode. Opts:
[597088.290410] EXT4-fs (ploop3p1): loaded balloon from 12 (0 blocks)
[597088.458139] CT: 123: started
```

Subject: Re: Problems encountered increasing CT disk space with layout=ploop
Posted by [svensirk](#) on Tue, 27 Mar 2012 13:03:13 GMT
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Hi,

here is the Bugzilla Bug ID: 2225
http://bugzilla.openvz.org/show_bug.cgi?id=2225

dmesg is:

```
[14476.673338] EXT4-fs (ploop0p1): mounted filesystem with ordered data
mode. Opts:
[14476.674206] EXT4-fs (ploop0p1): loaded balloon from 12 (0 blocks)
[14476.719799] CT: 102: started
```

Thanks for caring and all.

By the way. ploop is really awesome ! Exactly what I have been looking for
in OpenVZ for month.

It really solves a lot of problems with having containers on plain nfs.

many thanks,

Sirk

2012/3/27 Kir Kolyshkin <kir@openvz.org>

> Hi,

>>

>> Sorry for not posting in Bugzilla.

>> I found this thread and figured it was the right place to discuss.

>> Do you want me to open a bug in bugzilla ?


```

>>
>
> Yes please.
>
> Here is the mount line:
>> /dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=**ordered
>> 0 0
>>
>
> Right, no balloon_ino option...
>
>
>
>>
>> btw. resizing while the container is stopped does work.
>>
>> Here is some output:
>> vzctl set 102 --diskspace 77G --save
>> Can't ioctl mount_point: No such file or directory
>> Failed to resize image: Can't ioctl mount_point: No such file or
>> directory [3]
>> CT configuration saved to /etc/vz/conf/102.conf
>> [root@testsystem1 ~]# cat /proc/mounts | grep -w 102 | grep ploop
>> /dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=**ordered
>> 0 0
>> [root@testsystem1 ~]# vzctl stop 102
>> Stopping container ...
>> Container was stopped
>> Unmounting fs at /srv/vz/root/102
>> Unmounting device /dev/ploop0
>> Container is unmounted
>> [root@testsystem1 ~]# vzctl set 102 --diskspace 77G --save
>> Adding delta dev=/dev/ploop0 img=/srv/vz/private/102/root.**hdd/root.hdd
>> (rw)
>> Mounting /dev/ploop0p1 at /srv/vz/private/102/root.hdd/**root.hdd.mnt
>> fstype=ext4 data='balloon_ino=12,'
>> Growing dev=/dev/ploop0 size=150720512 sectors (new size=161480704)
>> Storing GPT
>> Executing: /sbin/resize2fs -p /dev/ploop0p1
>> resize2fs 1.41.12 (17-May-2010)
>> Das Dateisystem auf /dev/ploop0p1 ist auf /srv/vz/private/102/root.hdd/**root.hdd.mnt
>> eingehängt; Online-Größenveränderung nötig
>> old desc_blocks = 5, new_desc_blocks = 5
>> Führe eine Online-Größenänderung von /dev/ploop0p1 auf 20184827 (4k)
>> Blöcke durch.
>> Das Dateisystem auf /dev/ploop0p1 ist nun 20184827 Blöcke groß.
>>
>> Executing: /sbin/tune2fs -r 1009254 /dev/ploop0p1

```

```

>> tune2fs 1.41.12 (17-May-2010)
>> Setze die Anzahl der reservierten Blöcke auf 1009254
>> Umounting fs at /srv/vz/private/102/root.hdd/**root.hdd.mnt
>> Unmounting device /dev/ploop0
>> CT configuration saved to /etc/vz/conf/102.conf
>>
>> After starting it again, it is not working anymore:
>>
>> vzctl start 102
>> Starting container ...
>> Adding delta dev=/dev/ploop0 img=/srv/vz/private/102/root.**hdd/root.hdd
>> (rw)
>> Mounting /dev/ploop0p1 at /srv/vz/root/102 fstype=ext4
>> data='balloon_ino=12,'
>>
>
> See -- balloon_ino option is passed on...
>
>
> Container is mounted
>> Adding IP address(es): 192.168.2.12
>> Setting CPU limit: 400
>> Setting CPU units: 1000
>> Setting CPUs: 4
>> Container start in progress...
>>
>> [root@testsystem1 ~]# cat /proc/mounts | grep -w 102 | grep ploop
>> /dev/ploop0p1 /srv/vz/root/102 ext4 rw,relatime,barrier=1,data=**ordered
>> 0 0
>>
>
> but it is not here. Hmm.
>
> Can you check the dmesg please?
>
> There should be something like
> [597088.246208] ploop3: p1
> [597088.288093] EXT4-fs (ploop3p1): mounted filesystem with ordered data
> mode. Opts:
> [597088.290410] EXT4-fs (ploop3p1): loaded balloon from 12 (0 blocks)
> [597088.458139] CT: 123: started
>
>
>

```

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