
Subject: adventures with layout=ploop

Posted by [jjs - mainphrame](#) on Thu, 22 Mar 2012 17:42:00 GMT

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My test platform is centos-6.2 32 bit. I had successfully created ploop-based containers when testing the ploop and vzctl from git last week. Today I installed the released ploop and vzctl rpms to test further.

When I issue a command to create a ploop-based container, vzctl is unable to complete the operation, exiting with errors:

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[root@mrmber ~]# vzctl create 777 --layout=ploop --config=vswap-256m
--ostemplate=debian-5.0-x86
Unable to get full ostemplate name for debian-5.0-x86
Creating image: /vz/private/777.tmp/root.hdd/root.hdd size=2306867K
Creating delta /vz/private/777.tmp/root.hdd/root.hdd bs=2048 size=4613734
sectors
Storing /vz/private/777.tmp/root.hdd/DiskDescriptor.xml
Adding delta dev=/dev/ploop0 img=/vz/private/777.tmp/root.hdd/root.hdd (rw)
PLOOP_IOC_ADD_DELTA /vz/private/777.tmp/root.hdd/root.hdd: Invalid argument
Failed to create image: PLOOP_IOC_ADD_DELTA
/vz/private/777.tmp/root.hdd/root.hdd: Invalid argument [3]
Creation of container private area failed
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When I issue a command to create a container with the same parameters except using layout=simfs instead of ploop, vzctl succeeds:

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Performing postcreate actions
CT configuration saved to /etc/vz/conf/777.conf
Container private area was created
[root@mrmber ~]#
```

Where should I be looking to solve this mystery?

Regards,

Joe

Subject: Re: adventures with layout=ploop

Posted by [kir](#) on Thu, 22 Mar 2012 19:26:31 GMT

On 03/22/2012 09:42 PM, jjs - mainphrame wrote:

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> ploop-based containers when testing the ploop and vzctl from git last
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Which kernel it is?

Anything in dmesg output?

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> Storing /vz/private/777.tmp/root.hdd/DiskDescriptor.xml
> Adding delta dev=/dev/ploop0 img=/vz/private/777.tmp/root.hdd/root.hdd
> (rw)
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> Regards,
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> Joe

>

Subject: Re: adventures with layout=ploop
Posted by [jjs - mainphrame](#) on Fri, 23 Mar 2012 00:06:02 GMT
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Hi Kir,

```
[root@mrmber ~]# uname -a
Linux mrmber.mainphrame.net 2.6.32-042stab052.8 #1 SMP Wed Mar 14 16:02:48
MSK 2012 i686 i686 i386 GNU/Linux
```

There was no dmesg content generated by the attempt to create the CT with ploop layout; /var/log/vzctl.log contained only this:

```
2012-03-22T17:01:46-0700 vzctl : CT 779 : Unable to get full osteamplate
name for debian-5.0-x86
2012-03-22T17:01:46-0700 vzctl : CT 779 : Creating image:
/vz/private/779.tmp/root.hdd/root.hdd size=2306867K
2012-03-22T17:01:46-0700 : PLOOP_IOC_ADD_DELTA
/vz/private/779.tmp/root.hdd/root.hdd: Invalid argument
2012-03-22T17:01:46-0700 vzctl : CT 779 : Failed to create image:
PLOOP_IOC_ADD_DELTA /vz/private/779.tmp/root.hdd/root.hdd: Invalid argument
[3]
2012-03-22T17:01:46-0700 vzctl : CT 779 : Creation of container private
area failed
```

Regards,

Joe

On Thu, Mar 22, 2012 at 12:26 PM, Kir Kolyshkin <kir@openvz.org> wrote:

```
> On 03/22/2012 09:42 PM, jjs - mainphrame wrote:
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>> ploop-based containers when testing the ploop and vzctl from git last week.
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>> Creating image: /vz/private/777.tmp/root.hdd/**root.hdd size=2306867K
>> Creating delta /vz/private/777.tmp/root.hdd/**root.hdd bs=2048
>> size=4613734 sectors
>> Storing /vz/private/777.tmp/root.hdd/**DiskDescriptor.xml
>> Adding delta dev=/dev/ploop0 img=/vz/private/777.tmp/root.**hdd/root.hdd
>> (rw)
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>> Regards,
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>> Joe
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Subject: Re: adventures with layout=ploop
Posted by [jjs - mainphrame](#) on Fri, 23 Mar 2012 00:18:23 GMT
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Update -

After upgrading to kernel 2.6.32-042stab053.3 I'm happy to report that the

ploop-based container creation succeeds:

```
[root@mrmber ~]# vzctl create 779 --layout=ploop --config=vswap-256m
--ostemplate=debian-5.0-x86
Unable to get full ostemplate name for debian-5.0-x86
Creating image: /vz/private/779.tmp/root.hdd/root.hdd size=2306867K
Creating delta /vz/private/779.tmp/root.hdd/root.hdd bs=2048 size=4613734
sectors
Storing /vz/private/779.tmp/root.hdd/DiskDescriptor.xml
Adding delta dev=/dev/ploop0 img=/vz/private/779.tmp/root.hdd/root.hdd (rw)
/sbin/mkfs -t ext4 -j -b4096 /dev/ploop0p1 </dev/null
mke2fs 1.41.12 (17-May-2010)
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=0 blocks, Stripe width=0 blocks
144288 inodes, 576256 blocks
28812 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=591396864
18 block groups
32768 blocks per group, 32768 fragments per group
8016 inodes per group
Superblock backups stored on blocks:
32768, 98304, 163840, 229376, 294912

Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done

This filesystem will be automatically checked every 20 mounts or
180 days, whichever comes first. Use tune2fs -c or -i to override.
Creating balloon file .balloon-c3a5ae3d-ce7f-43c4-a1ea-c61e2b4504e8
Mounting /dev/ploop0p1 at /vz/private/779.tmp/root.hdd/root.hdd.mnt
fstype=ext4 data=""
Unmounting fs at /vz/private/779.tmp/root.hdd/root.hdd.mnt
Unmounting device /dev/ploop0
Adding delta dev=/dev/ploop0 img=/vz/private/779.tmp/root.hdd/root.hdd (rw)
Mounting /dev/ploop0p1 at /vz/root/779 fstype=ext4 data='balloon_ino=12,'
Creating container private area (debian-5.0-x86)
Unmounting fs at /vz/root/779
Unmounting device /dev/ploop0
Adding delta dev=/dev/ploop0 img=/vz/private/779/root.hdd/root.hdd (rw)
Mounting /dev/ploop0p1 at /vz/root/779 fstype=ext4 data='balloon_ino=12,'
Performing postcreate actions
Unmounting fs at /vz/root/779
Unmounting device /dev/ploop0
```

```
CT configuration saved to /etc/vz/conf/779.conf
Container private area was created
[root@mrmber ~]# vzctl start 779
Starting container ...
Adding delta dev=/dev/ploop0 img=/vz/private/779/root.hdd/root.hdd (rw)
Mounting /dev/ploop0p1 at /vz/root/779 fstype=ext4 data='balloon_ino=12,'
Container is mounted
Setting CPU units: 1000
Container start in progress...
[root@mrmber ~]# uname -a
Linux mrmber.mainphrame.net 2.6.32-042stab053.3 #1 SMP Tue Mar 20 23:15:03
MSK 2012 i686 i686 i386 GNU/Linux
[root@mrmber ~]#
```

Regards,

Joe

On Thu, Mar 22, 2012 at 10:42 AM, jjs - mainphrame <jjs@mainphrame.com> wrote:

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