Subject: Ploop and unsupported underlying filesystem error.
Posted by juriskrumins on Mon, 24 Sep 2012 07:48:43 GMT
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We're running 2 machine cluster in development environment just to figure out possible issues with RedHat cluster suite and OpenVZ technology.
Right now we've hit 2 issues.
The first one is using simfs for OpenVZ CT over GFS2 with quota enabled for CT leads us to inconsistent and incorrect disk usage values in quota file and a result CT hits quota and system denies any write attempts to CT. Reinitializing (stop CT, removing quota, start CT) solves issue only for a moment.

Thus we decided to try ploop over GFS2. And thus we hit the second problem:

[root@dev ~]# vzctl create 102 --ostemplate centos-6-x86_64-default --hostname test3 --layout ploop --diskspace 15G
Creating image: /vz/private/102.tmp/root.hdd/root.hdd size=15728640K
Creating delta /vz/private/102.tmp/root.hdd/root.hdd bs=2048 size=31457280 sectors
Storing /gfs2/vz/private/102.tmp/root.hdd/DiskDescriptor.xml
Adding delta dev=/dev/ploop0 img=/gfs2/vz/private/102.tmp/root.hdd/root.hdd (rw)
Error in add_delta (ploop.c:1008): Can't add image /gfs2/vz/private/102.tmp/root.hdd/root.hdd: unsupported underlying filesystem
Failed to create image: Error in add_delta (ploop.c:1008): Can't add image /gfs2/vz/private/102.tmp/root.hdd/root.hdd: unsupported underlying filesystem [3]
Creation of container private area failed
[root@dev ~]#

And so the question is, does anybody have ever succesfully deployed OpenVZ CT over GFS2 including quota support ?

Running following OpenVZ kernel and utils:

Linux dev 2.6.32-042stab057.1 #1 SMP Fri Jun 22 02:17:07 MSD 2012 x86_64 x86_64 x86_64 GNU/Linux
vzkernel-2.6.32-042stab057.1.x86_64
ploop-lib-1.4-1.x86_64
ploop-1.4-1.x86_64
vzctl-lib-3.3-1.x86_64
vzctl-3.3-1.x86_64

Thanks in advance.

Subject: Re: Ploop and unsupported underlying filesystem error.
Posted by juriskrumins on Mon, 24 Sep 2012 08:13:28 GMT

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Seems like it's clear with quota and GFS2. Manuals say that quota will not work if the underying filesystem is not ext2/3/4

So the only question left is ploop over GFS2.

Subject: Re: Ploop and unsupported underlying filesystem error.
Posted by Paparaciz on Tue, 25 Sep 2012 17:07:05 GMT
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AFAIK ploop works only on ext3/ext4 file systems