Subject: incorrect size of root.hdd
Posted by Grinvich on Tue, 14 Jan 2014 21:02:24 GMT
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We have CT with diskspace limit 100G.
volume of data inside of CT is 19G.
size of root.hdd is 100G.

then we do resize (decrease diskspace limit to 28G):

vzctl set 101 --diskspace 28G --save
dumpe2fs 1.41.12 (17-May-2010)
Changing balloon size old_size=75161927680 new_size=77309411328
Opening delta /vz/private/101/root.hdd/root.hdd
Successfully inflated balloon from 75161927680 to 77309411328 bytes
TRUNCATED: 1063 cluster-blocks (1114636288 bytes)
tune2fs 1.41.12 (17-May-2010)
Setting reserved blocks count to 366950
CT configuration saved to /etc/vz/conf/101.conf

now size of root.hdd is 80G.

then we do resize again (decrease diskspace limit to 25G):

vzctl set 101 --diskspace 25G --save
dumpe2fs 1.41.12 (17-May-2010)
Changing balloon size old_size=77309411328 new_size=80530636800
Opening delta /vz/private/101/root.hdd/root.hdd
Successfully inflated balloon from 77309411328 to 80530636800 bytes
TRUNCATED: 2252 cluster-blocks (2361393152 bytes)
tune2fs 1.41.12 (17-May-2010)
Setting reserved blocks count to 327628
CT configuration saved to /etc/vz/conf/101.conf

now size of root.hdd is 77G

so, why size of root.hdd is more then diskspace limit and how we can fix size?
I remind that size of data inside of CT is 19G only!

Subject: Re: incorrect size of root.hdd
Posted by Paparaciz on Wed, 15 Jan 2014 18:45:18 GMT
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Hi,

if the real data usage in CT is 19GB.
than you have to do:
vzctl compact ctid.

setting smaller --diskspace is completly wrong way...
and given all this I would sure make backup before compacting CT

Subject: Re: incorrect size of root.hdd
Posted by Grinvich on Wed, 15 Jan 2014 19:21:37 GMT
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thanks!

we have compacted 2 containers, but size of image decreased for 1 GB only and image of disk still have very incorrect size.

for example,

CT 101 :
79G	root.hdd
df -h (inside of CT): 19G

CT 102 :
23G	root.hdd
df -h (inside of CT): 5.1G

Subject: Re: incorrect size of root.hdd
Posted by Paparaciz on Wed, 15 Jan 2014 19:57:45 GMT
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please report your kernel, vzctl, ploop versions
do you know who used all storage space?
maybe some service which deleted file but still using it?

Subject: Re: incorrect size of root.hdd
Posted by Grinvich on Wed, 15 Jan 2014 20:21:06 GMT
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2.6.32-042stab081.8

vzctl version 4.6

ploop-1.9-1.x86_64

we have restarted CT, so any services can't use deleted space

Subject: Re: incorrect size of root.hdd
Posted by Grinvich on Thu, 16 Jan 2014 08:23:33 GMT
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ploop balloon discard -d /dev/ploop17875 --stat
Balloon size: 51200MB
Data size: 21047MB
Ploop size: 51200MB
Image size: 82846MB

Subject: Re: incorrect size of root.hdd
Posted by Paparaciz on Thu, 16 Jan 2014 19:16:40 GMT
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I'm lazy to check it.

you didn't answered- do you know how you reached 100GB usage in CT?

maybe you did snapshot and didn't merged(deleted) it??

Subject: Re: incorrect size of root.hdd
Posted by Grinvich on Thu, 16 Jan 2014 19:22:22 GMT
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yes, there was snapshot, which not deleted from 27 December 2013.

and in this state CT was migrated to another node.

then was changed disksize limit from 100GB to 50GB (size of root.hdd was 100TB + about 15GB size of snapshot root.hdd{uuid}).

and 2 days ago we deleted snapshot.
and after that, image file was decreased from 100GB to 80GB