Subject: sshfs files disapearing
Posted by spoke2u on Sun, 25 Jan 2015 23:31:26 GMT
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I setup a vm with 200 gb of space and mount it as a extra space for media I link to with sshfs using numerous computers and phones for music and video


```
vzctl create 10 --ostemplate debian-7.0-amd64-minimal100213
vzctl set 10 --onboot yes --save
vzctl set 10 --hostname data.local.dm --save
vzctl set 10 --ipadd 10.0.0.10 --save
vzctl start 10
vzctl exec 10 passwd
```


after a bit files start to disappear. i do not know what the heck I would have a 600mb file video and the sub folder would be there but the files are gone

this has been going on now for a long while I started over with this container and did a few things different

```
:/etc/vz/conf# cat 10.conf
# UBC parameters (in form of barrier:limit)
PHYSPAGES="0:1G"
SWAPPAGES="0:2G"
KMEMSIZE="unlimited"
LOCKEDPAGES="unlimited"
PRIVVMPAGES="unlimited"
SHMPAGES="unlimited"
NUMPROC="unlimited"
VMGUARPAGES="unlimited"
OOMGUARPAGES="unlimited"
NUMTCPSOCK="unlimited"
NUMFLOCK="unlimited"
NUMPTY="unlimited"
NUMSIGINFO="unlimited"
TCPSNDBUF="unlimited"
TCPRCVBUF="unlimited"
OTHERSOCKBUF="unlimited"
DGRAMRCVBUF="unlimited"
NUMOTHERSOCK="unlimited"
DCACHESIZE="unlimited"
NUMFILE="unlimited"
NUMIPTENT="unlimited"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="200G"
```

DISKINODES="200000:220000"
QUOTATIME="0"

# CPU fair scheduler parameter
CPUUNITS="1000"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="debian-7.0-amd64-minimal100213"
ORIGIN_SAMPLE="unlimited1gb2gbswp"
ONBOOT="yes"
HOSTNAME="data.xxxxxxxxx"
IP_ADDRESS="10.0.0.10"

#UUID: xxxxxxxxxxxxxxxxxxxx

here is the df -h on the HN

10 is for my sharing of data
118 is my zoneminder
110 is a pbx voip system asterisk


```
/etc/vz/conf# df -h
Filesystem                                Size  Used Avail Use% Mounted on
udev                                       10M    0   10M  0% /dev
tmpfs                                     483M  432K  483M  1% /run
/dev/disk/by-uuid/ccxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxe 455G 240G 193G 56% /
tmpfs                                     5.0M    0  5.0M  0% /run/lock
tmpfs                                     1.7G    0  1.7G  0% /run/shm
/vz/private/10                            200G   92G  109G  46% /vz/root/10
tmpfs                                     2.4G   28K  2.4G  1% /vz/root/10/run
tmpfs                                     2.4G    0  2.4G  0% /vz/root/10/run/lock
tmpfs                                     2.4G    0  2.4G  0% /vz/root/10/run/shm
/vz/private/110                            20G  9.4G   11G  47% /vz/root/110
/vz/private/118                            85G   69G   17G  81% /vz/root/118
tmpfs                                     103M   56K  103M  1% /vz/root/110/run
tmpfs                                     5.0M    0  5.0M  0% /vz/root/110/run/lock
tmpfs                                     615M    0  615M  0% /vz/root/110/run/shm
tmpfs                                     2.4G   40K  2.4G  1% /vz/root/118/run
tmpfs                                     2.4G    0  2.4G  0% /vz/root/118/run/lock
tmpfs                                     2.4G   72M  2.3G  3% /vz/root/118/run/shm
```

whats going on its like its disappearing cause I am running out of space but no? confused HELP!

I just upgraded kernel uname -r

2.6.32-openvz-042stab102.9-amd64
but this has been going on since the first version that I had going. how and what is the best way
to create space that nothing disappears from.

Subject: Re: sshfs files disapearing
Posted by Ales on Mon, 26 Jan 2015 17:57:53 GMT
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The first thing I notice from the data you've posted is a somewhat low inode limit. Limit of 220000
doesn't seem enough for a busy 200 GB file system. The ext4 defaults for disk inodes equal to
65536 x GiB (1 * 1024 * 1024 / 16). So, for 200 GiB, that would be 13107200. You might not need
quite as much, but still... you might very well need more than 220k.

You can check inode usage by running 'df -i' within your VM.

If inodes aren't the cause, are there any other errors / failures in the logs within the VM? Files
can't just disappear...

Subject: Re: sshfs files disapearing
Posted by spoke2u on Tue, 27 Jan 2015 17:08:51 GMT
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Wow i have always wondered about that I made the changes. time will see. I think I need to learn
more what a inode really is.

Do you think because of a low amount of inodes that a file that was there one day would
disappear another.

if anyone else is curious of any other settings let me know I will provide I not sure how to explain
how to reproduce. but I can go into detail how and what I did to install.