
Subject: *SOLVED* Disk quota exceeded
Posted by [jpastore](#) on Tue, 03 Jul 2007 15:00:24 GMT
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Setting OpenVZ and I'm migrating from my old development server to the new box which is the first VE we've set up.

copying over home directories: by doing `scp -r * user@ip:/home/user`

on the last few files I'm getting: Disk quota exceeded

I searched around and found a `--diskspace` switch and tried:

```
vzctl set --diskspace 10000000000:15000000000 --save
```

VE filesystem set to 15G

I don't want quotas. can I make this go away? The only quota I should have to worry about is the space I allocated for the VE.

which brings me to my second question:

I can `cat /proc/user_beancounters` to see what's failing and what various settings are set to. I don't see diskspace in that list. Is there a place where I can look to see what it's set to and what other random settings there are that I don't know about?

-Jon

Subject: Re: Disk quota exceeded
Posted by [rickb](#) on Tue, 03 Jul 2007 15:20:13 GMT
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Quote:
VE filesystem set to 15G

I don't want quotas. can I make this go away? The only quota I should have to worry about is the space I allocated for the VE.

the VE quota is the metric set with `--diskspace x:y`

ie, the quotas you are referring to are what you want to worry about.

Quote: Is there a place where I can look
'man vzctl' has all of the info you need, including the disk space metric. further, the openvz pdf manual is an excellent place to start reading.

Subject: Re: Disk quota exceeded
Posted by [jpastore](#) on Tue, 03 Jul 2007 15:24:20 GMT
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I did not setup file system quotas. so how can there be a quota issue unless openvz is enforcing a quota?

Thank you for pointing me to the man pages and documentation. I was looking for a command/file so I can see what settings are set to that are not listed in /proc/user_beancounters

is there a file I can look at or command that will tell me that disk space is set to: X:Y?

Subject: Re: Disk quota exceeded
Posted by [rickb](#) on Tue, 03 Jul 2007 15:29:13 GMT
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per VE quotas differ from the conventional per user quotas we are used to on a linux server. you do not need per group or per user quotas enabled on your fs to allow per ve quotas.

grep DISK /etc/sysconfig/vz-scripts/VEID.conf

Subject: Re: Disk quota exceeded
Posted by [jpastore](#) on Tue, 03 Jul 2007 15:46:37 GMT
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thanks for the pointer to the conf file I can look at!

my point is that I do not want quotas of any kind. I'm trying to figure out why when I scp from my old server to the VE on this new box am I get an error of: Disk quota exceeded

when I never configured traditional quotas. I didn't configure per ve quotas either.

how do I confirm the what the ve quota is set to? and as a follow up either disable it or really increase it.

contents of the conf file:

VERSION="2"

ONBOOT="yes"

```
# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
NUMPROC="400:400"
NUMTCPSOCK="500:500"
NUMOTHERSOCK="500:500"
VMGUARPAGES="102400:102400"
# Secondary parameters
KMEMSIZE="16384000:18022400"
TCPSNDBUF="5365760:10485760"
TCPRCVBUF="5365760:10485760"
OTHERSOCKBUF="1503232:4063232"
DGRAMRCVBUF="262144:262144"
OOMGUARPAGES="102400:102400"
# Auxiliary parameters
LOCKEDPAGES="4096:4096"
SHMPAGES="131072:131072"
PRIVVMPAGES="262144:292912"
NUMFILE="8192:8192"
NUMFLOCK="200:220"
NUMPTY="64:64"
NUMSIGINFO="512:512"
DCACHESIZE="4194304:4317184"

PHYSPAGES="0:9223372036854775807"
NUMIPTENT="128:128"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="10000000000:15000000000"
DISKINODES="200000:220000"
QUOTATIME="0"

# CPU fair sheduler parameter
CPUUNITS="1000"
OFFLINE_MANAGEMENT="yes"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="centos-4-x86_64-minimal"
ORIGIN_SAMPLE="vps.basic"
IP_ADDRESS="192.168.0.51"
```

Subject: Re: Disk quota exceeded
Posted by [rickb](#) on Tue, 03 Jul 2007 16:23:35 GMT
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/proc/vz/vzquota is what you want for the live status of the quota.

I have never tried to disable per ve quotas but it is likely possible. Rather than disabling it, I would set it very high or at the HN's capability, these seems more sane to me.

For your error, likely you are at the max blocks or max inodes- vzquota proc file above can verify this.

Rick

Subject: Re: Disk quota exceeded
Posted by [jpastore](#) on Tue, 03 Jul 2007 20:51:32 GMT
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yea that appears to be the problem:

```
cat /proc/vz/vzquota
qid: path      usage    softlimit  hardlimit   time    expire
1000: /vz/private/1000
    1k-blocks   7851856  10000000000 15000000000 0        0
    inodes      200000   200000      220000 1183470760 0
```

I'm making preparations for the 4th of July =) so I'll try it later

Thanks for your help!

Subject: Re: Disk quota exceeded
Posted by [jpastore](#) on Fri, 06 Jul 2007 18:08:32 GMT
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Thanks for all of your help.

I wrote a script to help me deal with this and I would appreciate some feedback and your thoughts...it seems like you have a good handle on what's going on:

http://forum.openvz.org/index.php?t=tree&goto=14638&#msg_14638

Thanks again for everything.
