
Subject: About quotas

Posted by [cyrolancer](#) on Tue, 23 Aug 2011 19:40:25 GMT

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Hi,

I am having problems with the quotas.

According to some research, I think, I have to enable the quotas in the HW node first. Anyway, I have managed to edit /etc/fstab like this

```
[root@xxx ~]# cat /etc/fstab
/dev/md2      /                ext3 defaults,usrquota,grpquota 1 1
/dev/md1      /tmp             ext3 noexec,nosuid      1 2
/dev/md0      /boot           ext3 defaults          1 2
tmpfs         /dev/shm        tmpfs defaults           0 0
devpts        /dev/pts        devpts gid=5,mode=620    0 0
sysfs         /sys            sysfs defaults           0 0
proc          /proc           proc defaults           0 0
/dev/md3      swap            swap defaults           0 0
```

As you see, I have no other partitions except "/.

Later on, I have tried the approach I have found on the internet:

```
touch /aquota.user
touch /aquota.group
chmod 600 /quota.*
```

And accordingly, I have used the "quotacheck" to build up the database. Somehow, by using -f switch, I have managed to get aquota.user.new and aquota.group.new files. I have renamed them to aquota.user and aquota.group, respectively.

At least, after waiting 2 hours, I got the files but when I use the command "quotaon -a" I am getting:

```
[root@xxx ~]# quotaon -a
quotaon: using //aquota.group on /dev/md2 [/]: No such process
quotaon: Quota format not supported in kernel.
quotaon: using //aquota.user on /dev/md2 [/]: No such process
quotaon: Quota format not supported in kernel.
```

Well after doing some additional research, I have found that I need the kernel modules. So,

```
[root@xxx ~]# modprobe quota_v1
FATAL: Module quota_v1 not found.
[root@xxx ~]# modprobe quota_v2
FATAL: Module quota_v2 not found.
```

Wow! Anyway,

```
[root@xxx ~]# insmod quota_v1
insmod: can't read 'quota_v1': No such file or directory
[root@xxx ~]# insmod quota_v2
insmod: can't read 'quota_v2': No such file or directory
```

and

```
[root@xxx ~]# uname -a
Linux xxx.localhost 2.6.18-238.19.1.el5.028stab092.2 #1 SMP Thu Jul 21 19:23:22 MSD 2011
x86_64 x86_64 x86_64 GNU/Linux
```

After all, I couldn't enable the quotas in HW node. Do I need to enable it in HW node? Because, in the VE /dev/simfs was not mounted as usrquotas, grpquotas option. fstab file in the VE is empty, so I cannot edit the mountpoint.

Therefore, I have stuck at this point. Could anybody please kindly explain how to enable per-user quotas in an OpenVZ container?

Subject: Re: About quotas
Posted by [cylancer](#) on Tue, 23 Aug 2011 22:37:44 GMT
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I have solved the problem. Here is the details:

Note: Container id is 10.

1. Start your container, as usual.

vzctl start 10

2. Kill the processes of the container. You can find the processes, using this command:

```
ls -l /dev/null | egrep '/vz/root/10|/vz/private/10'
```

Change 10 with your container id.

You are going to see something like this:

```
sasauthd 14512 root mem REG 9,2 522749462 /vz/root/10/lib64/libdl-2.5.so
(path dev=0,23)
sasauthd 14512 root mem REG 9,2 522749426
/vz/root/10/lib64/libkeyutils-1.2.so (path dev=0,23)
sasauthd 14512 root mem REG 9,2 522749371
/vz/root/10/lib64/libselinux.so.1 (path dev=0,23)
sasauthd 14512 root mem REG 9,2 522749423
/vz/root/10/lib64/libaudit.so.0.0.0 (path dev=0,23)
sasauthd 14512 root mem REG 9,2 522650620
/vz/root/10/usr/lib64/libsasl2.so.2.0.22 (path dev=0,23)
sasauthd 14512 root mem REG 9,2 522749418
/vz/root/10/lib64/libssl.so.0.9.8e (path dev=0,23)
sasauthd 14512 root mem REG 9,2 522650670
/vz/root/10/usr/lib64/libz.so.1.2.3 (path dev=0,23)
sasauthd 14512 root mem REG 9,2 522749408
/vz/root/10/lib64/libsepol.so.1 (path dev=0,23)
sasauthd 14512 root 0u CHR 1,3 15819 /vz/root/10/dev/null
sasauthd 14512 root 1u CHR 1,3 15819 /vz/root/10/dev/null
sasauthd 14512 root 2u CHR 1,3 15819 /vz/root/10/dev/null
sasauthd 14512 root 4u REG 0,23 6 522749136
/vz/root/10/var/run/sasauthd/sasauthd.pid
sasauthd 14512 root 6u REG 0,23 0 522749135
/vz/root/10/var/run/sasauthd/mux.accept
```

You can kill the processes using the PID, i.e. kill -9 14512 (that's the PID of sasauthd in my example)

There are a lot of processes. Finally, you kill the init process.

3. Start writing:

```
vzctl set 10 --quotauidlimit 10000 --save
vzquota off 10
vzquota on 10 -s 1
vzctl restart 10
```

Setting the "quotauidlimit" parameter is a must for 2nd level quota activation.

4. Then enter container:

```
vzctl enter 10
```

And action

```
edquota -u cyro
```

The rules I have learned:

1. Don't try to add quota to the HW node, it is useless.
2. RTFM carefully, very carefully.
3. and, I think, that's all

Have a nice day!!!
