
Subject: Re: diskspace no more than 40 GB

Posted by [Vasily Tarasov](#) on Thu, 01 Feb 2007 14:01:55 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello!

According to

```
# vzquota stat 111
resource      usage      softlimit  hardlimit  grace
1k-blocks     2716712    39000000   39100000
              ^^^^^
```

you set a blocks limit for 111th VE to ~39Gb, and only ~2.7Gb are used in VE. Remember these numbers.

According to

```
#df -a
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/sda9        95121228 62907700 27381580 70% /vz
               ^^^^  ^^^^^
```

/vz partion is of ~95Gb size and ~63 Gb is used, so ~32Gb is free. Remember these numbers to.

Ok. When you give a df command inside VE, what should it output in this situation? First, consider the total amount of space. Should df output 39Gb? No! VE can't write so much, because there is not enough space on /vz partion.

According to [http://wiki.openvz.org/OpenVZ_disk_quota%2C_df_and_stat_weir d_behaviour](http://wiki.openvz.org/OpenVZ_disk_quota%2C_df_and_stat_weir_d_behaviour) df should output `quota_usage + free_ext2 = 2.7 + 32 = ~34Gb`. This is what we see in your output:

```
# df -a
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/simfs      34930264 2716712 27381604 10% /
               ^^^^^
```

So you problem is actually formulated in

[http://wiki.openvz.org/OpenVZ_disk_quota%2C_df_and_stat_weir d_behaviour](http://wiki.openvz.org/OpenVZ_disk_quota%2C_df_and_stat_weir_d_behaviour):

"Do not set random disk quota barrier/limit! Even if you want VE to be unlimited, consider reasonable values."

HTH,
Vasily.
