
Subject: *SOLVED* df and disk space used from du don't quite match

Posted by [JimL](#) on Sat, 24 Mar 2007 20:49:36 GMT

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I ran out of disk (soft disk) in a VE the other day. I was generating oddles of cores when a processes started crapping out.

I did manage to remove all the extra processes, however df still reports the disk is almost full:

```
[root@imageserver /]# ls
bin dev home lib mnt proc sbin  srv tmp var
boot etc initrd media opt root selinux sys usr
[root@imageserver /]# du -sh
582M .
[root@imageserver /]# df
Filesystem      1K-blocks    Used Available Use% Mounted on
simfs           6889612 6356860  532752  93% /
[root@imageserver /]# df -h
Filesystem      Size  Used Avail Use% Mounted on
simfs           6.6G  6.1G  521M  93% /
```

But du sure doesn't think so. I think du is right, so how do I rectify this problem?

Thanks,
Jim.

Subject: Re: df and disk space used from du don't quite match

Posted by [dev](#) on Sun, 25 Mar 2007 07:12:52 GMT

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There are at least 2 options:

1. Most likely you run out of disk space in host system (i.e. on /vz). In this case `df -h` inside VE reports how much disk space is *really* available, independant of the fact that VE didn't used it. It is required for critical applications which use this statistics before doing something (e.g. rpm on package install/update).

2. you can try to remove /var/vzquota/quota.<VEID> file and restart VE. It will cause quota reinitialization.

Subject: Re: df and disk space used from du don't quite match

Posted by [JimL](#) on Sun, 25 Mar 2007 13:21:32 GMT

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Thanks.

It is highly unlikely that I ran out of host disk space:

```
df -h
/dev/mapper/VolGroup01-sata
      357G  71G  269G  21% /bigdata
[root@50dom0 log]# ls -l /vz
lrwxrwxrwx 1 root root 12 Feb  4 07:16 /vz -> /bigdata/vz/
```

But I didn't look before I removed the core files so it's possible.

After installing the latest kernel and rebooting, it seems to have cleared itself. Rebooting alone did not, however.

Thanks,
Jim.
