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Subject: Problem on Disk Quota 100% used and df

Posted by [ccto](#) on Fri, 21 Oct 2005 05:51:18 GMT

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For your information -

I have created a guest VPS with 8GB quota, and run some network test script (simply wget a few big files over the network). Then, by mistakes, it accumulate the files, and finally used up all 8GB storage. Then, if we "df" it, it shows some problems.

```
[root@server /]# ll
total 8731784
-rwx----- 1 root root      50 Oct 20 18:56 a.sh
-rw-r--r-- 1 root root 23470080 Oct 20 19:36 aaa.tar.bz
lrwxr-xr-x 1 root root      34 Oct 19 20:03 aquota.group -> /proc/vz/vzaquota/cur/aquota.group
-r----- 1 root root    6144 Oct 19 23:13 aquota.user
-rwx----- 1 root root      61 Oct 20 19:03 b.sh
drwxr-xr-x 2 root root    4096 Oct 19 20:54 bin
drwxr-xr-x 2 root root    4096 Feb 22  2005 boot
-rw-r--r-- 1 root root    234 Oct 20 19:10 c.sh
-rw-r--r-- 1 root root    201 Oct 20 19:11 d.sh
drwxr-xr-x 4 root root   20480 Oct 19 22:11 dev
drwxr-xr-x 40 root root    4096 Oct 20 18:54 etc
drwxr-xr-x 2 root root    4096 Feb 22  2005 home
drwxr-xr-x 2 root root    4096 Feb 22  2005 initrd
drwxr-xr-x 8 root root    4096 Oct 19 23:11 lib
drwxr-xr-x 2 root root    4096 Feb 22  2005 media
drwxr-xr-x 2 root root    4096 Feb 22  2005 mnt
drwxr-xr-x 2 root root    4096 Feb 22  2005 opt
dr-xr-xr-x 129 root root      0 Oct 19 22:11 proc
drwxr-x--- 3 root root    4096 Oct 20 18:59 root
drwxr-xr-x 2 root root    4096 Oct 19 22:25/sbin
-rw-r--r-- 1 root root 945163755 Oct 20 19:14 sda2.000
-rw-r--r-- 1 root root 945163755 Oct 20 19:15 sda2.000.1
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.10
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.11
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.12
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.13
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.14
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.15
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.16
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.17
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.18
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.19
-rw-r--r-- 1 root root 945163755 Oct 20 19:17 sda2.000.2
-rw-r--r-- 1 root root      0 Oct 20 19:26 sda2.000.20
```

```
-rw-r--r-- 1 root root 0 Oct 20 19:26 sda2.000.21
-rw-r--r-- 1 root root 0 Oct 20 19:26 sda2.000.22
-rw-r--r-- 1 root root 0 Oct 20 19:26 sda2.000.23
-rw-r--r-- 1 root root 0 Oct 20 19:26 sda2.000.24
-rw-r--r-- 1 root root 945163755 Oct 20 19:18 sda2.000.3
-rw-r--r-- 1 root root 945163755 Oct 20 19:20 sda2.000.4
-rw-r--r-- 1 root root 945163755 Oct 20 19:21 sda2.000.5
-rw-r--r-- 1 root root 945163755 Oct 20 19:23 sda2.000.6
-rw-r--r-- 1 root root 945163755 Oct 20 19:24 sda2.000.7
-rw-r--r-- 1 root root 945163755 Oct 20 19:26 sda2.000.8
-rw-r--r-- 1 root root 402489344 Oct 20 19:26 sda2.000.9
drwxr-xr-x 2 root root 4096 Feb 22 2005 selinux
drwxr-xr-x 2 root root 4096 Feb 22 2005 srv
drwxr-xr-x 2 root root 4096 Feb 22 2005 sys
drwxrwxrwt 3 root root 4096 Oct 19 23:02 tmp
drwxr-xr-x 14 root root 4096 Aug 6 21:07 usr
drwxr-xr-x 18 root root 4096 Aug 6 21:08 var
[root@server /]# df
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/simfs      8388608 -73768961896337951948 18014398508643124 101% /
[root@server /]#
```

Is it normal?

Regards,  
George.

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Subject: Re: Problem on Disk Quota 100% used and df  
Posted by [ccto](#) on Fri, 21 Oct 2005 05:53:55 GMT  
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Also, if we remove all those big files (rm -f sda2.\*), the df becomes normal again  
[root@server /]# rm -f sda2.000\*  
[root@server /]# df -h  
Filesystem Size Used Avail Use% Mounted on  
/dev/simfs 8.0G 507M 7.6G 7% /  
[root@server /]#

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Subject: Re: Problem on Disk Quota 100% used and df  
Posted by [dev](#) on Sun, 23 Oct 2005 09:05:20 GMT  
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No, it's a bug in simfs/quota. Thanks for reporting.  
I created a bug in bugzilla, so you can add yourself to CC and track it's state:  
[http://bugzilla.openvz.org/show\\_bug.cgi?id=59](http://bugzilla.openvz.org/show_bug.cgi?id=59)

we'll be fixed in next kernel build.

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