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Subject: Disk usage - custom value  
Posted by [jele](#) on Sun, 11 Feb 2007 10:00:21 GMT  
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Hello all,

```
-bash-3.00# df -h
Filesystem      Size  Used Avail Use% Mounted on
simfs           1000M 618M 329M 66% /
```

I need to set some custom value for "Used" and "Avail" of statfs(). For example:

```
-bash-3.00# df -h
Filesystem      Size  Used Avail Use% Mounted on
simfs           1000M  10M 990M  1% /
```

Is there a quick way to do that? I've tried to use "vzquota init" for that with custom "-p" value, but without any success.

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Subject: Re: Disk usage - custom value  
Posted by [rickb](#) on Sun, 11 Feb 2007 10:44:59 GMT  
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What do you mean "custom"? Do you mean arbitrary, or a new value based on some function of the actual values?

Tell us more about the overall problem you are trying to solve and we can probably understand better.

Rick

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Subject: Re: Disk usage - custom value  
Posted by [jele](#) on Sun, 11 Feb 2007 13:57:22 GMT  
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Yes, I need arbitrary value. I will never call "vzquota init", so it will never be dropped to actual values.

This is just for my internal experiments. Thank you for your response.

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Subject: Re: Disk usage - custom value  
Posted by [mora](#) on Sun, 11 Feb 2007 21:11:48 GMT  
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hello  
if you can edit and compile your kernel  
please see my thread here

<http://forum.openvz.org/index.php?t=msg&th=1860&star t=0&>

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Subject: Re: Disk usage - custom value  
Posted by [Vasily Tarasov](#) on Mon, 12 Feb 2007 09:28:35 GMT  
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Hello, mora,

Here is a patch, that will help you.  
But you're aware about possible problems.

Vasily

#### File Attachments

1) [diff-simfs-hack](#), downloaded 392 times

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Subject: Re: Disk usage - custom value  
Posted by [mora](#) on Mon, 12 Feb 2007 22:38:06 GMT  
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Hello  
sorry to appear like illetrate

i have the following questions please bear with me and answer them

- 1-what does this batch exactly do ?
- 2- how to apply this hack exactly ?
- 3- how to remove this hack once needed ?

many many thanks for your time , efforts and help

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Subject: Re: Disk usage - custom value  
Posted by [Vasily Tarasov](#) on Tue, 13 Feb 2007 15:07:38 GMT  
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Hello,

Please, read article [http://wiki.openvz.org/Kernel\\_build](http://wiki.openvz.org/Kernel_build), it is about how to build kernel. Also there is a description how to add your patches.

Thanks to this patch simfs returns as free blocks, available blocks and amount of blocks values `_directly_` from quota. It means that if you set quota limit to 50gb, df will always show 50gb.

To unroll this patch you should just boot in unpatched kernel.

HTH,  
Vasily

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Subject: Re: Disk usage - custom value  
Posted by [mora](#) on Wed, 14 Feb 2007 12:14:46 GMT  
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Hello  
thanks for your time again  
i followed the instructions exactly on that link  
but i get this message while compiling with command

```
root@HN [/usr/src/redhat/SPECS]# rpmbuild -ba --target=i686 kernel-ovz.spec
```

all goes ok untill

```
RedHat patch #5059 (linux-2.6.9-CVE-2006-2936-ftdi-sio-dos.patch):  
RedHat patch #5060 (linux-2.6.9-CVE-2006-2935-cdrom-typo.patch):  
RedHat patch #5061 (linux-2.6.9-CVE-2006-3468-nfs-fh.patch):  
RedHat patch #5062 (linux-2.6.9-CVE-2006-3626-proc-setuid.patch):  
RedHat patch #5063 (linux-2.6.9-CVE-2006-2444-snmp-nat-mem.patch):  
RedHat patch #5064 (linux-2.6.9-CVE-2006-2932-ds-es-dos.patch):  
RedHat patch #5065 (linux-2.6.9-CVE-2006-2071-mprotect-perms.patch):  
RedHat patch #5066 (linux-2.6.9-CVE-2006-4623-dvb.patch):  
RedHat patch #5067 (linux-2.6.9-CVE-2006-0039-netfilter.patch):  
RedHat patch #5068 (linux-2.6.9-CVE-2006-4093-ppc-clear-en-attn.patch):  
RedHat patch #5100 (linux-2.6.9-ptrace-sched-race.patch):  
RedHat patch #10000 (linux-2.6.0-compile.patch):  
RedHat patch #10001 (linux-2.6.9-exports.patch):  
RedHat patch #10002 (linux-2.6.9-slab-update.patch):  
RedHat patch #10003 (linux-2.6.9-pci-ids.patch):  
RedHat patch #20000 (linux-kernel-test.patch):  
+ cd ../linux-2.6.9  
+ echo 'Patch #100 (patch-023stab040-core):'  
Patch #100 (patch-023stab040-core):  
+ patch -p1 -s  
+ echo 'Patch #10000 (diff-simfs-hack):'  
Patch #10000 (diff-simfs-hack):  
+ patch -p1 -s  
The text leading up to this was:  
-----
```

|--- fs/simfs.c.simfs-quota 2007-02-12 11:43:01.000000000 +0300  
|+++ fs/simfs.c 2007-02-12 12:04:59.000000000 +0300

-----  
File to patch:

so what should i input there ?

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Subject: Re: Disk usage - custom value  
Posted by [Vasily Tarasov](#) on Wed, 14 Feb 2007 12:25:39 GMT  
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Sorry,

this is my fault, I just generated patch from the wrong directory!  
Please, use the patch, that is attached to this message.

#### File Attachments

1) [diff-simfs-hack-2](#), downloaded 376 times

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Subject: Re: Disk usage - custom value  
Posted by [mora](#) on Wed, 14 Feb 2007 12:31:45 GMT  
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still facing errors with same command

```
RedHat patch #10001 (linux-2.6.9-exports.patch):
RedHat patch #10002 (linux-2.6.9-slab-update.patch):
RedHat patch #10003 (linux-2.6.9-pci-ids.patch):
RedHat patch #20000 (linux-kernel-test.patch):
+ cd ../linux-2.6.9
+ echo 'Patch #100 (patch-023stab040-core):'
Patch #100 (patch-023stab040-core):
+ patch -p1 -s
+ echo 'Patch #10000 (diff-simfs-hack):'
Patch #10000 (diff-simfs-hack):
+ patch -p1 -s
1 out of 2 hunks FAILED -- saving rejects to file fs/simfs.c.rej
error: Bad exit status from /var/tmp/rpm-tmp.3588 (%prep)
```

RPM build errors:

Bad exit status from /var/tmp/rpm-tmp.3588 (%prep)

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Subject: Re: Disk usage - custom value

Posted by [Vasily Tarasov](#) on Wed, 14 Feb 2007 12:37:49 GMT

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=)

You're applying patch to 2.6.9 kernel, don't you?

And this is a patch againsts 2.6.18 kernel...

Do you need such patch for 2.6.9?

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Subject: Re: Disk usage - custom value

Posted by [mora](#) on Wed, 14 Feb 2007 13:11:57 GMT

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Hello

i just downloaded the source rpm from

<http://download.openvz.org/kernel/stable/current/ovzkernel-2.6.9-023stab040.1.src.rpm>

i will be happy if you provide me the batch that works with it

i got HT cpu i dont know if this will allow the server to read the cpu HT as 2 processors after i apply the patch to that rpm source or i still have to apply custom configs ? i dont find any special .src.rpm for smp or entnosplit to apply the patch to

sorry im totally new to this

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