
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.

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

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.

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&>

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 257 times

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

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, 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

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 ?

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 231 times

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)

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?

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
