
Subject: Enough space, but reports 'no space left on device'

Posted by [zenny](#) on Wed, 29 Apr 2009 05:22:27 GMT

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I thought that this is a CentOS 4.7 issue and posted at (http://www.centos.org/modules/newbb/viewtopic.php?topic_id=19958&forum=27). But CentOS states that it is a OVZ vzquota issue.

I am completely blocked to execute with the error message recurring each time without completely. I also restarted the vz service, but in vain.

I could not even run yum or use wget to get the default CentOS kernel to test whether it is associated with OVZ or CentOS!

Any pointer?

Subject: Re: Enough space, but reports 'no space left on device'

Posted by [kir](#) on Wed, 29 Apr 2009 05:31:48 GMT

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what does df -i tells you?

Subject: Re: Enough space, but reports 'no space left on device'

Posted by [zenny](#) on Wed, 29 Apr 2009 10:50:41 GMT

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Kir:

df -i

Filesystem	Inodes	IUsed	IFree	IUse%	Mounted on
/dev/hda1	656000	656000	0	100%	/
none	23463	1	23462	1%	/dev/shm
/dev/hda3	8863744	207565	8656179	3%	/vz

But I have nothing running except a shorewall firewall at the HN.

ps -aux

Warning: bad syntax, perhaps a bogus '-'? See /usr/share/doc/procps-3.2.3/FAQ

USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.0	0.3	1832	572	?	S	Mar29	0:01	init [3]
root	2	0.0	0.0	0	0	?	S	Mar29	0:00	[migration/0/0]
root	3	0.0	0.0	0	0	?	SN	Mar29	0:00	[ksoftirqd/0]
root	4	0.0	0.0	0	0	?	S<	Mar29	0:00	[events/0]

```

root      5 0.0 0.0 0 0 ? S< Mar29 0:00 [khelper]
root     17 0.0 0.0 0 0 ? S< Mar29 0:00 [kblockd/0]
root     30 0.0 0.0 0 0 ? S Mar29 0:00 [khubd]
root     66 0.0 0.0 0 0 ? S Mar29 0:00 [pdflush]
root     67 0.0 0.0 0 0 ? S Mar29 0:00 [pdflush]
root     69 0.0 0.0 0 0 ? S< Mar29 0:00 [aio/0]
root    656 0.0 0.0 0 0 ? S Mar29 0:00 [kseriod]
root     65 0.0 0.0 0 0 ? S Mar29 0:00 [ubstatd]
root     68 0.0 0.0 0 0 ? S Mar29 0:00 [kswapd0]
root    761 0.0 0.0 0 0 ? S< Mar29 0:00 [ata/0]
root    792 0.0 0.0 0 0 ? S< Mar29 0:00 [kcryptd/0]
root    793 0.0 0.0 0 0 ? S< Mar29 0:00 [kmpathd/0]
root    794 0.0 0.0 0 0 ? S< Mar29 0:00 [kmirrord]
root    799 0.0 0.0 0 0 ? S Mar29 1:00 [kjournald]
root   4718 0.0 0.2 2620 460 ? S<s Mar29 0:00 udevd
root   6148 0.0 0.0 0 0 ? S Mar29 0:00 [kjournald]
root   8850 0.0 0.3 2028 584 ? Ss Mar29 0:07 syslogd -m 0
root   8855 0.0 0.1 2216 372 ? Ss Mar29 0:05 klogd -x
root   8892 0.0 0.2 2144 388 ? S Mar29 0:00 /usr/sbin/smartd
root   8904 0.0 0.5 5100 1048 ? Ss Mar29 0:04 /usr/sbin/sshd
root   8919 0.0 0.3 3332 748 ? Ss Mar29 0:00 xinetd -stayalive -pidfile
/var/run/xinetd.pid
root   8928 0.0 0.4 5768 916 ? Ss Mar29 0:00 crond
root   8945 0.0 0.2 2532 424 ? Ss Mar29 0:00 /usr/sbin/atd
dbus  10360 0.0 0.4 3972 796 ? Ss Mar29 0:00 dbus-daemon-1 --system
root  14957 0.0 0.0 2576 116 ? Ss Mar29 0:02 /usr/sbin/kmsgsd
root  14959 0.0 0.0 2824 184 ? Ss Mar29 0:05 /usr/sbin/psadwatchd
root  14966 0.0 2.6 8600 5048 ? Ss Mar29 0:00 /usr/bin/perl
/usr/libexec/webmin/miniserv.pl /etc/webmin/miniserv.conf
root  14970 0.0 0.6 4108 1280 ? Ss Mar29 0:00 login -- root
root  14972 0.0 0.2 3504 408 tty3 Ss+ Mar29 0:00 /sbin/mingetty tty3
root  14973 0.0 0.2 1928 408 tty4 Ss+ Mar29 0:00 /sbin/mingetty tty4
root  14974 0.0 0.2 2152 408 tty5 Ss+ Mar29 0:00 /sbin/mingetty tty5
root  14975 0.0 0.2 2256 408 tty6 Ss+ Mar29 0:00 /sbin/mingetty tty6
root  15309 0.0 0.7 6012 1416 tty1 Ss Mar29 0:00 -bash
root  15349 0.0 1.0 4912 2004 tty1 S+ Mar29 0:04 ssh root@192.168.1.250
root  21056 0.0 0.2 3096 408 tty2 Ss+ Mar30 0:00 /sbin/mingetty tty2
root   6570 0.0 5.4 14432 10176 ? Ss Apr27 0:07 /usr/bin/perl -w /usr/sbin/psad
root  13249 0.0 0.0 0 0 ? S 08:28 0:00 [vzmond]
root  14620 0.0 1.1 7416 2240 ? Ss 14:11 0:00 sshd: service [priv]
service 14624 0.0 0.7 7416 1496 ? S 14:11 0:00 sshd: service@pts/0
service 14625 0.0 0.7 5444 1360 pts/0 Ss 14:11 0:00 -bash
root  14653 0.0 0.6 6420 1236 pts/0 S 14:12 0:00 su -
root  14654 0.0 0.7 4964 1416 pts/0 S 14:12 0:00 -bash
root  14688 0.0 0.4 2956 752 pts/0 R+ 14:14 0:00 ps -aux

```

Subject: Re: Enough space, but reports 'no space left on device'

Posted by [kir](#) on Wed, 29 Apr 2009 11:58:35 GMT

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df -i tells you that there are no more free i-nodes left. And it doesn't matter what processes you have running.

Subject: Re: Enough space, but reports 'no space left on device'

Posted by [seanfulton](#) on Wed, 13 May 2009 14:44:18 GMT

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Use vzquota to increase your inodes.

This is a frequent problem for me. When the VE is created with disk space of X, the inodes are calculated based on X. Over time, we increase the size of the "drive" that the VE uses, and eventually, it surpasses the number of allocated inodes.

Just increase them, and remember to increase them in your ve.conf file (for some reason vzquota does not do this).

sean

Subject: Re: Enough space, but reports 'no space left on device'

Posted by [kir](#) on Wed, 13 May 2009 18:53:54 GMT

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seanfulton wrote on Wed, 13 May 2009 18:44 Use vzquota to increase your inodes.

<...>

Just increase them, and remember to increase them in your ve.conf file (for some reason vzquota does not do this).

vzquota is not supposed to be used directly (well, at least in this case). Just run vzctl set NNN --diskinodes xxx:yyy --save
