
Subject: inodes limitations? Disk quota exceeded, but no where near it?

Posted by [vivithemage](#) on Sat, 19 Sep 2009 18:48:38 GMT

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I have a user on an OpenVZ node, and he gets Disk Quota exceeded for anything he tries to do. He is using 15% of his allocated Disk, but I noticed that when I run /proc/vz/vzquota I see that VE 200 has hit the soft limit.

what is the purpose of that limit? Can't I just remove it? If so, how can I remove it all together?

File Attachments

1) [limit.jpg](#), downloaded 701 times

Subject: Re: inodes limitations? Disk quota exceeded, but no where near it?

Posted by [curx](#) on Sat, 19 Sep 2009 20:00:53 GMT

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Hi,

see man page: "Disk quota parameters" and "Resource limits"

```
# vzctl set <CTID> --diskinodes <soft:hard> --save
```

in your case, as an example

```
# vzctl set 200 --diskinodes 400000:440000 --save
```

Btw, for disableing vzquota, inodes you can set soft and hard to "unlimited"

Bye,

Thorsten

Subject: Re: inodes limitations? Disk quota exceeded, but no where near it?

Posted by [vivithemage](#) on Sat, 19 Sep 2009 20:16:48 GMT

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amazing, thank you very much. Is there a way to remove the limit for inodes like that, but keep disk space limits?

Subject: Re: inodes limitations? Disk quota exceeded, but no where near it?

Posted by [spoke2u](#) on Wed, 18 Dec 2013 16:36:41 GMT

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I am running zoneminder and Your fix fixed me up for about a week or so but now its at 400001

Quote:

```
root@HN:~# cat /proc/vz/vzquota
```

```
qid: path      usage    softlimit  hardlimit   time   expire
22: /vz/private/22
   1k-blocks   11385104  83886080  99614720    0      0
   inodes     400001    400000    440000 1387327230  0
```

```
root@HN:~# vzctl set 22 --diskinodes unlimited:unlimited --save
```

```
Bad parameter for --diskinodes: unlimited:unlimited
```

```
root@HN:~# vzctl set 22 --diskinodes 0:0 --save
```

```
vzquota : (warning) inode_hard_limit [0] < inode_current_usage [399994]
```

```
CT configuration saved to /etc/vz/conf/22.conf
```

```
root@heybob:~# vzctl set 22 --diskinodes 0:0 --save
```

```
vzquota : (warning) inode_hard_limit [0] < inode_current_usage [399994]
```

```
CT configuration saved to /etc/vz/conf/22.conf
```

```
root@HN:~# cat /proc/vz/vzquota
```

```
qid: path      usage    softlimit  hardlimit   time   expire
22: /vz/private/22
   1k-blocks   11385104  83886080  99614720    0      0
   inodes     400001    0         0 1387380799  0
```

```
uname -r
```

```
2.6.32-042stab081.3
```

So I raised it to 80000 I have a feeling what ever is happening will fill that too?

```
vzctl set 22 --diskinodes 80000:80000 --save
```

I am happy to give you any info you need to help me determine what I am missing.

curx wrote on Sat, 19 September 2009 16:00Hi,

see man page: "Disk quota parameters" and "Resource limits"

```
# vzctl set <CTID> --diskinodes <soft:hard> --save
```

in your case, as an example

```
# vzctl set 200 --diskinodes 400000:440000 --save
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Btw, for disabling vzquota, inodes you can set soft and hard to "unlimited"

Bye,

Thorsten

Subject: Re: inodes limitations? Disk quota exceeded, but no where near it?

Posted by [spoke2u](#) on Mon, 10 Feb 2014 18:42:58 GMT

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Maybe I have the syntax wrong but Unlimited DOES NOT work! I am upping the disknodes every time it crashes when it hits the limit every month or so. I am running zoneminder and it seems to hit that when I get alot of action on this server VM container. I need something that is a permanent fix. There has to be another solution? Its almost as if it just fills up slowly and never gets to become less.

```
root@HN:~# vzctl set 200 --disknodes unlimited --save
Bad parameter for --disknodes: unlimited
root@HN:~# vzctl set 200 --disknodes unlimited:unlimited --save
Bad parameter for --disknodes: unlimited:unlimited
```

If someone knows how to set this to unlimited let me know.

curx wrote on Sat, 19 September 2009 16:00Hi,

see man page: "Disk quota parameters" and "Resource limits"

```
# vzctl set <CTID> --disknodes <soft:hard> --save
```

in your case, as an example

```
# vzctl set 200 --disknodes 400000:440000 --save
```

Btw, for disabling vzquota, inodes you can set soft and hard to "unlimited"

Bye,
Thorsten

Subject: Re: inodes limitations? Disk quota exceeded, but no where near it?

Posted by [dipps](#) on Thu, 13 Feb 2014 02:21:50 GMT

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A really permanent fix would be to stop whatever is using all the inodes. Even if you get vz quota

to stop complaining, eventually this will use all the inodes in the filesystem.

Look for something that is creating a lot of files and leaving them behind: session files, temporary files, etc. Either stop it doing this, or clean up by deleting old files.

Or for a cheap fix, set inode quota to a very large number.
