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 690 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 hasve a feeliong 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 determin what I am missing.

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

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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 spoke2u on Mon, 10 Feb 2014 18:42:58 GMT

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Maybe I have the synax wrong but Unlimited DOES NOT work! I am upping the diskinodes 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 permanate fix. There has to be anouther solution? Its almost as if it just fills up slowly and never gets to become less.

root@HN:~# vzctl set 200 --diskinodes unlimited --save
Bad parameter for --diskinodes: unlimited
root@HN:~# vzctl set 200 --diskinodes unlimited:unlimited --save
Bad parameter for --diskinodes: 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> --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 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.