Subject: Filesystem size limit in the vzquota system ?
Posted by VALLET Matthieu on Wed, 16 May 2007 14:39:29 GMT

Hi!

We have been using OpenVZ for a few months and are really satisfied with this project. Thanks a lot.

Neithertheless, we have a problem with one out of three virtual server. On this one, the quota system fails. The only difference with the two others is the filesystem size that exceed, in this case, 40 gygabites.

It is possible to activate the quota system with a quite small filesystem and then to progressively increase its size (with rsync for example). But, if we try to directly start (or restart) a server on such a big filesystem, it fails with the error :
vzquota : (error) Quota on syscall for 123: Device or resource busy

Is there a size limit for the filesystem of an OpenVZ virtual server, with quota enabled?

Thanks for your help.

Matthieu Vallet.

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Subject: Re: Filesystem size limit in the vzquota system ?
Posted by Vasily Tarasov on Thu, 17 May 2007 07:54:22 GMT

Hello,

> We have been using OpenVZ for a few months and are really satisfied with
> this project. Thanks a lot.

Thank you for using OpenVZ, we're happy to hear it. :)

>
> Neithertheless, we have a problem with one out of three virtual server.
> On this one, the quota system fails. The only difference with the two
> others is the filesystem size that exceed, in this case, 40 gygabites.
>
> It is possible to activate the quota system with a quite small
> filesystem and then to progressively increase its size (with rsync for
> example). But, if we try to directly start (or restart) a server on such
> a big filesystem, it fails with the error :
> vzquota : (error) Quota on syscall for 123: Device or resource busy
>
> Is there a size limit for the filesystem of an OpenVZ virtual server,
> with quota enabled?

There is no such limit. Actually I don't quite understand your phrase
"progressively increase its (filesystems) size (with rsync for
example)". Do you mean that you just add files to this filesystem and
consequently the amount of busy blocks is increasing?
The most common reason of the error: "vzquota : (error) Quota on syscall
for 123: Device or resource busy" is the presence of Linux disk quota on
the filesystem where vzquota is trying to start. Check it, please.

Thank you,
Vasily.

Subject: Re: Filesystem size limit in the vzquota system ?
Posted by VALLET Matthieu on Mon, 21 May 2007 09:27:11 GMT
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Hi,

>> Is there a size limit for the filesystem of an OpenVZ virtual server,
>> with quota enabled?
>
>
> There is no such limit. Actually I don't quite understand your phrase
> "progressively increase its (filesystems) size (with rsync for
> example)". Do you mean that you just add files to this filesystem and

> consequently the amount of busy blocks is increasing?
> The most common reason of the error: "vzquota : (error) Quota on syscall
> for 123: Device or resource busy" is the presence of Linux disk quota on
> the filesystem where vzquota is trying to start. Check it, please.

I've just checked the filesystem: there is no standard linux disk quota
activated.

Furthermore, I guess that if it was the case, we could not use OpenVZ
quota for the two (small) virtual servers that works without any problem.

So, let me summarize what we found:
- we created three virtual servers, based on the debian 3.1 template;
- we set OpenVZ quota for each virtual server filesystem;
- in one of the three servers, we added a directory that we want to
share with Samba; this directory contains about 60 Gb of data;
- the two "small" servers start without any problem while the "big" one
gives us the mentionned error (Quota on syscall...);
- if we delete the big directory, the "big" server starts;
- if we then recreate this directory while the server is running and
fill it with the 60 Gb of data, with rsync, the vzquota tool shows the
right figures and the server runs normally;
- if we reboot the physical host afterwards, the "big" server cannot be
restarted as it shows the same error (Quota on syscall...).

We use a Red Hat 4 system, with a 2.6.9-023stab043.2-enterprise kernel.
The version of vzctl is 3.0.16, and vzquota's is 2.5.0.

Thanks for your help.

Matthieu Vallet.