
Subject: OpenVZ hungry for resources?

Posted by [slybob](#) on Fri, 16 Mar 2007 08:09:18 GMT

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Hi,

Ive been running openVZ under Debian on my old 1.8Ghz Celeron with 512 mb of ram for about a month. all VE's are ubuntu-6.06-i386-minimal. Daisy and buttercup are both www servers.

debian:~# vzlist -a

VEID	NPROC	STATUS	IP_ADDR	HOSTNAME
101	5	running	192.168.0.101	ns.moonet.co.uk
102	-	stopped	192.168.0.102	daisy.moonet.co.uk
110	-	stopped	192.168.0.110	ssl.moonet.co.uk
111	24	running	192.168.0.111	buttercup.moonet.co.uk

I'm getting some wierdness from apache on VEID 111 when I have all four VE's running. It seems to ignore the virtual hosts I have set up, reverting to factory mode. i.e http://192.168.0.111 will bring up /var/www/. getting it to serve to the several domains I have pointing at it. fails. Mysql is grumping too. When I shutdown 102 and 110 and restart apache on 111 everything seems tickety boo.

Apologies for my incoherent ramblings, I think this might be a problem with resources. Anyone with any bright ideas?

Thanks

Andy

Subject: Re: OpenVZ hungry for resources?

Posted by [Vasily Tarasov](#) on Fri, 16 Mar 2007 08:17:06 GMT

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Is there something in /var/log/messages after apache/mysql fail?

Thanks,
Vasily

Subject: Re: OpenVZ hungry for resources?

Posted by [curx](#) on Fri, 16 Mar 2007 08:21:45 GMT

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Hi Andy,

any failcnt in /proc/user_beancounters of your VE's ?

(-> see more at http://wiki.openvz.org/Proc/user_beancounters)

Subject: Re: OpenVZ hungry for resources?

Posted by [slybob](#) on Fri, 16 Mar 2007 10:19:48 GMT

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```
[Fri Mar 16 08:15:44 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:15:54 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:16:05 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:16:15 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
FATAL: erealloc(): Unable to allocate 311296 bytes
[Fri Mar 16 08:16:25 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:16:35 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:16:45 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:16:55 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:17:05 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:17:15 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:17:25 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:17:35 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
[Fri Mar 16 08:17:46 2007] [error] (12)Cannot allocate memory: fork: Unable to fork new process
```

should have thought of checking the logs

I remember getting this error before on one of my early VE's I was unable to resolve the problem. I just started again.

I shall set up a fedora VE to see if that suffers from the same. It might be my Ubuntu template to blame.

Thanks,

Subject: Re: OpenVZ hungry for resources?

Posted by [slybob](#) on Fri, 16 Mar 2007 10:24:59 GMT

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```
tcprcvbuf      0    4100   319488   524288    0
othersockbuf   130552  133376  132096  336896   180
dgramrcvbuf    0      0   132096  132096    0
```

I think we have a suspect. Is this anything to do with the
vzctl set 101 --numothersock 120 --save

??

Thanks, Andy

Subject: Re: OpenVZ hungry for resources?
Posted by [slybob](#) on Fri, 16 Mar 2007 11:38:05 GMT
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Ive been digging a little more, i would seem that the problem is with mysql apache's working for
html pages but is falling over when asked to look at a database, as is webmin.

Cant find any errors in the logs for mysql tho

Subject: Re: OpenVZ hungry for resources?
Posted by [sPENKMAN](#) on Tue, 20 Mar 2007 21:55:17 GMT
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Apache is not able to start any childs which should process your requests. I had the same and
solved it by increasing the privvmpages parameter.

What is your output of "cat /proc/user_beancounters" (execute within the VE)?

Subject: Re: OpenVZ hungry for resources?
Posted by [slybob](#) on Tue, 20 Mar 2007 22:18:45 GMT
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Thanks for the reply, Ive got to the bottom of the beancounter 'n stuff. happily apachein away.

Andy

Subject: Re: OpenVZ hungry for resources?
Posted by [sPENKMAN](#) on Tue, 20 Mar 2007 22:26:40 GMT
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slybob wrote on Tue, 20 March 2007 23:18Thanks for the reply, Ive got to the bottom of the
beancounter 'n stuff. happily apachein away.

Andy

Hehe, keep an close eye on your beancounter statistics. It explains most of the problems you encounter

Subject: Re: OpenVZ hungry for resources?
Posted by [slybob](#) on Tue, 20 Mar 2007 23:14:13 GMT
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phew,too right. Been banging me head against a wall all day with Open-Xchange - till I looked at the numbers. Is there any kind of tool that keeps an eye on the beancounter? some kind of gui to show you how the resources are being allocated?

Andy

Subject: Re: OpenVZ hungry for resources?
Posted by [devonblzx](#) on Wed, 21 Mar 2007 15:51:06 GMT
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Maybe if this was Windows and you had to pay for OpenVZ , you could easily make a script that monitors the beancounters and changes the value, but I don't see why you would want to do that.

If a problem occurs, it isn't that hard to type 'cat /proc/user_beancounters' and look in the far right column, you should be monitoring it yourself anyways to make sure there aren't other issues.

Subject: Re: OpenVZ hungry for resources?
Posted by [slybob](#) on Wed, 21 Mar 2007 17:00:12 GMT
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I'm using it loads trust me, just thinking of when I get this thing upto production level, some kind of web based display would be handy. something that would send you mails when things were running a little hot!

might have found myself a wee project.
