Subject: Crazy IO utilization in VE running on Debian Squeeze host
Posted by Pavel Shevaev on Wed, 09 Mar 2011 19:36:50 GMT
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Folks,

I tried using OpenVZ(2.6.32-5-openvz-amd64) on a Debian Squeeze host
and I faced _crazy_ IO utilization numbers(99-101%) for a VE which has
unlimited resources.

The VE is running Percona Server(a patched version of MySQL). I've
never had such issues with it on the same load on the "real" hardware
node.

And the worst part - I've faced several INNODB data corruptions in VE.
After that I moved Percona onto the hardware node and now all IO
problems are gone(at least running 6 hours without a glitch as of this
writing)....

Maybe it's not a good idea to use OpenVZ 2.6.32 kernel on production
yet? If yes, what is the best version of OpenVZ kernel to be used on
production?

--
Best regards, Pavel

Subject: Re: Crazy IO utilization in VE running on Debian Squeeze host
Posted by drescherjm on Wed, 09 Mar 2011 19:49:15 GMT
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> Maybe it's not a good idea to use OpenVZ 2.6.32 kernel on production
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>

I have been using OpenVZ 2.6.32 kernel in production for around 1 year
on several machines at home and at work and I do not have this issue.
Although I am using gentoo and the git kernel

http://git.openvz.org/?p=linux-2.6.32-openvz;a=summary

John

Subject: Re: Crazy IO utilization in VE running on Debian Squeeze host
Posted by Valentine Gostev on Wed, 09 Mar 2011 19:51:57 GMT

Hi Pavel,

2.6.18 (EL5) and 2.6.9 (EL4) are considered as stable branches of OpenVZ kernel
2.6.32 is development.

I used 2.6.32 for tests (RHEL6) - such problems were not met.

2011/3/10 Pavel Shevaev <pacha.shevaev@gmail.com>

> Folks,
>
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Best regards,
Valentine Gostev

Subject: Re: Crazy IO utilization in VE running on Debian Squeeze host
Posted by Pavel Shevaev on Wed, 09 Mar 2011 19:58:18 GMT

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>
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Thanks for reply, however it seems I'm not the only one -
http://openvz.org/pipermail/users/2010-September/003822.html

BTW, some more details about my IO hardware: the server uses hardware
RAID-10 with BBU. Initially Percona was running using O_DIRECT for
InnoDB flushing but then I switched to the default flushing mode and
IO numbers became somewhat better... However after this I got several
data corruptions and simply stopped any further experiments.

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Best regards, Pavel