
Subject: Re: : vmstat and floating point exception

Posted by [kir](#) on Wed, 11 Jul 2012 11:42:12 GMT

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On 07/11/2012 04:45 AM, Kir Kolyshkin wrote:

>
> I barely remember there was a fix in the kernel related to this. I
> might be wrong, but it's worth checking on a latest rhel6 stable or
> testing kernel.
>

Indeed, I did a search on wiki.openvz.org for vmstat and found this:

<http://wiki.openvz.org/Download/kernel/rhel6/042stab057.1>

[fairsched] vmstat floating point operation fixed: idle scaling has been enhanced once again (PCLIN-30773)

I guess that's what you are reporting. Please update your kernel.

<mjhanson@a2hosting.com

>
> Linux solusvm.a2hosting.com <<http://solusvm.a2hosting.com>>
> 2.6.32-042stab053.5 #1 SMP Tue Mar 27
> vzctl version 3.3
> vswap is enabled
>
> Since upgrading to a 2.6.32 kernel one of our users noticed that they
> are occasionally getting a Floating Point Exception when running
> vmstat:
>
> [root@server ~]# vmstat 1 5
> procs -----memory----- ---swap-- -----io----- --system--
> -----cpu-----
> r b swpd free buff cache si so bi bo in cs us sy
> id wa st
> 0 0 0 2048244 0 32816 0 0 0 2 0 7627
> 0 0
> 99 0 0
> 0 0 0 2048236 0 32816 0 0 0 0 0 110
> 0 0
> 100 0 0
> 0 0 0 2048236 0 32816 0 0 0 0 0 78
> 0 0
> 100 0 0
> 0 0 0 2048236 0 32816 0 0 0 0 0 91

```

> 0 0
> 100 0 0
> Floating point exception
>
> It doesn't happen every time as you can see here:
>
> [root@server ~]# vmstat 1 10
> procs -----memory----- ---swap-- -----io----- --system--
> -----cpu-----
>  r b swpd free buff cache si so bi bo in cs us sy
> id wa st
> 0 0 0 2068584 0 12472 0 0 0 0 0 1745
> 0 0
> 100 0 0
> 0 0 0 2068576 0 12472 0 0 0 0 0 82
> 0 0
> 100 0 0
> 0 0 0 2068576 0 12472 0 0 0 0 0 77
> 0 0
> 100 0 0
> 0 0 0 2068576 0 12472 0 0 0 0 0 109
> 0 0
> 100 0 0
> 0 0 0 2068576 0 12472 0 0 0 0 0 92
> 0 0
> 100 0 0
> 0 0 0 2068576 0 12472 0 0 0 0 0 80
> 0 0
> 100 0 0
> 0 0 0 2068576 0 12472 0 0 0 0 0 87
> 0 0
> 100 0 0
> 0 0 0 2068576 0 12472 0 0 0 0 0 66
> 0 0
> 100 0 0
> 0 0 0 2068588 0 12472 0 0 0 0 0 130
> 0 0
> 100 0 0
> 0 0 0 2068588 0 12472 0 0 0 0 0 72
> 0 0
> 100 0 0
>
> I have been able to replicate this issue in other OS templates (theirs
> is Ubuntu 11.10, but I have replicated in Ubuntu, Fedora, Centos,
> etc...) running the same kernel and vzctl version.
>
> I can not replicate this issue on the node.
>

```

> Wondering if anyone else has run across this issue and/or knows what
> might be causing it.
>
>
> _____
> Users mailing list
> Users@openvz.org <mailto:Users@openvz.org>
> <https://openvz.org/mailman/listinfo/users>
>
