
Subject: vmstat and floating point exception

Posted by [Mark Johanson](#) on Tue, 10 Jul 2012 23:50:25 GMT

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Linux 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.
