

## Re: 2.6.21-mm1: many processes end up in D state

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-04/msg12153.html>

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- *From:* "Jiri Slaby" <jirislaby@xxxxxxxxxx>
  - *Date:* Mon, 30 Apr 2007 20:14:05 +0200
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On 4/30/07, Andrew Morton <akpm@xxxxxxxxxxxxxxxxxxxxxx> wrote:

On Mon, 30 Apr 2007 17:39:19 +0200  
Jiri Slaby <jirislaby@xxxxxxxxxx> wrote:

- > Hi,
- >
- > I have a problem with higher disk loads (e.g. running git-log or yum update).
- > Many processes end up in D state and system is unusable -- I'm not able to run
- > anything but smooth mouse moving when this happens.
- >
- > If I wait for a 20-30sec it becomes usable. This happens in 2.6.21-rc7-mm2 and
- > also in 2007-04-28-05-06 broken-out snapshot. I think 2.6.21-rc6-mm1 worked
- > fine, but I'm uncertain. If it is important, let me know to re-test.
- >

It is important, but I doubt if retesting 2.6.21-rc6-mm1 will clarify things a lot.

Could you try switching to a different IO scheduler please? Anticipatory would suit.

As I wrote below the sysrq-t, switch to noop didn't help, but it seems that it's harder to reproduce with that:

<cite it's\_bad\_to\_write\_anything\_below\_logs="true">

Note that yum works on lvm on raid0 and git too, but on the another md volume. Both ext3s. Drivers are sata Promise and ata\_piix (sata disk); CFQ scheduler. Using noop is no change (but seems to be harder to reproduce with it). I figured out that it probably happens when 2+ processes are on both "processors" (HT on P4) and are IO wait (multiload-applet shows red above the half).

Swap usage is 0 all the time.

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Please keep a close eye on mainline, too. Wait for it to appear there :(

Re: 2.6.21-mm1: many processes end up in D state

Ok, I'll try to play with that...

thanks,

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