Subject: irq0 stops working
Posted by vaverin on Tue, 09 Oct 2007 05:26:49 GMT
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On one of our servers timer interrupts (i.e irq0) are stops working. As result any kernel timers do not triggers and tasks waiting some signals from timers hangs forever.

Most noticeable effect of this situation is that any write operations to disk are stalled, and nobody can log in on the node.

At the same time node all existing shells works away. I'm able to read interrupts statistic from /proc/interrupts file and it shows that all other interrupts are changed when these devices are accessed: disk on sata controller, network, cdrom on ide controller, keyboard, serial console, LOC interrupts.

Also I've found that disable of irqbalance service on the node helps to workaround this issue, however of course it fixes nothing.

All details about hardware/logs could be found in
http://bugzilla.kernel.org/show_bug.cgi?id=8650

I'm able to reproduce this situation, however now I have no ideas how to continue the investigation of this problem.

Could please anybody advise me any new ways for investigation of this issue?

Thank you,
Vasily Averin

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