

# lpfc: system freezing if FC connection is broken under load

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-08/0603.html>

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**From:** Bodo Stroesser ([bstroesser\\_at\\_fujitsu-siemens.com](mailto:bstroesser_at_fujitsu-siemens.com))

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To: [linux-kernel@vger.kernel.org](mailto:linux-kernel@vger.kernel.org)

Hi,

my dual Xeon machine freezes, if connection between FC switch and tape drives is broken while writing to tapes.

There is one SCSI target with 16 tape LUNs connected to my FC controller via FC switch. I can reproduce the problem by starting "dd if=/dev/zero of=/dev/st[0-7] bs=256K" on the first 8 LUNs. Then I unplug the connection between switch and tapes.

It doesn't matter if using LP9802 or one channel of LP9402DC. The problem happens immediately after `cfg_nodev_tmo` has run out. If `nodev_tmo` is changed, time from breaking connection to machine freezing changes accordingly.

After the problem happened, even NMIs no longer are handled. I added `nmi_watchdog=1` to cmdline and added some simple code to nmi handler, that writes the nmi counter directly to video ram. In case of error, nmi no longer counts (but I have no idea, how this can happen, maybe there is some HW bug).

What could I do to analyze the problem?

Please CC me, I'm not on the list.

Regards

Bodo

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