
Subject: Re: [PATCH 1/8] Scaling msgmni to the amount of lowmem
Posted by [akpm](#) on Sat, 16 Feb 2008 05:59:16 GMT
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On Mon, 11 Feb 2008 15:16:47 +0100 Nadia.Derbey@bull.net wrote:

> [PATCH 01/08]
>
> This patch computes msg_ctlmni to make it scale with the amount of lowmem.
> msg_ctlmni is now set to make the message queues occupy 1/32 of the available
> lowmem.
>
> Some cleaning has also been done for the MSGPOOL constant: the msgctl man page
> says it's not used, but it also defines it as a size in bytes (the code
> expresses it in Kbytes).
>

Something's wrong here. Running LTP's msgctl08 (specifically:
ltp-full-20070228) cripples the machine. It's a 4-way 4GB x86_64.

<http://userweb.kernel.org/~akpm/config-x.txt>
<http://userweb.kernel.org/~akpm/dmesg-x.txt>

Normally msgctl08 will complete in a second or two. With this patch I don't know how long it will take to complete, and the machine is horribly bogged down. It does recover if you manage to kill msgctl08. Feels like a terrible memory shortage, but there's plenty of memory free and it isn't swapping.

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Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
