

Re: glibc 2.2 vs 2.3 issue back again

## Re: glibc 2.2 vs 2.3 issue back again

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*Source:* <http://linux.derkeiler.com/Newsgroups/comp.os.linux.development.apps/2005-12/msg00340.html>

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- *From:* Roger Leigh <[rl@invalid.whinlatter.ukfsn.org.invalid](mailto:rl@invalid.whinlatter.ukfsn.org.invalid)>
  - *Date:* Thu, 29 Dec 2005 00:13:25 +0000
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Denes Molnar <[molnar@xxxxxxxxxxxxxxxxxxxxxx](mailto:molnar@xxxxxxxxxxxxxxxxxxxxxx)> writes:

> The glibc 2.2 vs 2.3 problem came back to haunt me – and this time  
> there is no way to compile from source because the package in  
> question, Mathematica 5.2, has only a glibc-2.3 version for Linux.

All your workarounds seem a lot of effort to a problem with a simple solution:

Why can't you just upgrade glibc (or your distribution)?

Alternatively, install a more up-to-date system in a chroot.

> i) could the program or the Fedora libraries require 2.6 kernels?  
> Because I am running 2.4.26. The strace output for starting  
> mathematica on Fedora gives quite different system calls. For example  
> set\_thread(...), which does not show up at all on my linux  
> 2.4.26. Google does bring up pages about libc 2.3 + kernel 2.4  
> systems, so libc 2.3 alone should not require a kernel change but I  
> wonder whether the libraries I copied could have some kernel  
> dependence.

Well, Linux 2.6 + a recent glibc use NPTL threads, whereas 2.4 will only work with LinuxThreads (google will give you all the detail). This shouldn't usually make a difference for an application, though, since the glibc ABI didn't change, AFAICT.

Regards,  
Roger

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Roger Leigh

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Debian GNU/Linux <http://www.debian.org/>

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• *Follow-Ups:*

- ◆ [Re: glibc 2.2 vs 2.3 issue back again](#)  
    ◇ *From:* Paul Pluzhnikov
- ◆ [Re: glibc 2.2 vs 2.3 issue back again](#)  
    ◇ *From:* John Reiser

• *References:*

- ◆ [glibc 2.2 vs 2.3 issue back again](#)  
    ◇ *From:* Denes Molnar

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