

Re: Massive performance loss from OS::sleep hack

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2007-09/msg00054.html>

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 - *Date:* Tue, 18 Sep 2007 21:17:14 +0200
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Kurt Miller wrote:

David Xu confirmed for me that `pthread_yield()` does give some time to lower priority threads on 7.0 using `thr`. Attached and inline are two patches for the 1.5 port that is how I suggest the issue be addressed.

For 7.0 and up default `UseThreadPriorities` to true and always use `pthread_yield()`. For < 7.0 default `UseThreadPriorities` to false and conditionally use `pthread_yield()/os_sleep()`. User's can toggle `UseThreadPriorities` with the command line argument `-XX:+UseThreadPriorities`

Do we know that 6.x requires the old behaviour? Maybe it can default to on there too. Otherwise this looks good to my eyeball (but the `DEFAULT_LD_LIBRARY_PATH` change looks unrelated)

```
-#define DEFAULT_LD_LIBRARY_PATH "/usr/lib" /* See ld.so.1(1) */  
+#define DEFAULT_LD_LIBRARY_PATH "/usr/lib:/usr/local/lib" /* See ld.so.1(1)
```

Kris

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