

## Re: LinuxThreads replacement

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-07/0012.html>

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**Date:** 07/12/03

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Date: Sat, 12 Jul 2003 22:51:24 +0300

>  
> *It's not as simple as that. In practice a lot of factors about*  
> *your system and the type of work you're doing will affect the*  
> *performance. On paper, the SA/KSE method is supposed to combine*  
> *the best aspects of 1:1 (libthr) and N:1 (libc\_r), and should*  
> *theoretically be "better" than either one. But, in practice,*  
> *complexity and overhead may drown out the performance gains.*  
> *Conversely, context switching overhead may not be as great a*  
> *penalty for the 1:1 model on modern cpus.*

>  
Anyone have any numbers of different architectures for the context switch? AMD64? Itanium? i386? PPC? Sparc? How about interrupt latency? SMP coherency overhead?

The basic memory bandwidth has become a marketing thing so the raw megabytes per second are readily available but in multiprocessor and multithreaded environment there is a lot more into it.

Pete

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