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Subject: Re: [ckrm-tech] [PATCH 4/7] UBC: syscalls (user interface)

Posted by [Chris Friesen](#) on Fri, 18 Aug 2006 19:16:55 GMT

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Paul Jackson wrote:

- > The fair sharing model (such as in CKRM) that strives for maximum
- > utilization of resources respecting priorities and min/max limits is
- > (I suppose) quite useful for certain workloads and customers.
- >
- > The hardwall NUMA placement model (such as in cpuset) that strives
- > for maximum processor and memory isolation between jobs, preferring
- > to leave allocated resources unused rather than trying to share them,
- > is also quite useful for some. Customers with 256 thread, one or
- > two day long run time, -very- tightly coupled huge OpenMP Fortran
- > jobs that need to complete within a few percent of the same time,
- > every runtime, demand it.

Hypothetically, if you can guarantee that those threads get a specified amount of time, but may possibly get *\*more\** cpu time and thus finish faster, what's the problem?

Chris

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