Subject: Re: [ckrm-tech] [patch00/05]: Containers(V2)- Introduction Posted by Paul Menage on Wed, 20 Sep 2006 23:53:30 GMT

View Forum Message <> Reply to Message

On 9/20/06, Paul Jackson <pj@sgi.com> wrote:

>

- > The way you "associate" a file with a cpuset is to have some task in
- > that cpuset open that file and touch its pages -- where that task does
- > so before any other would be user of the file.

An alternative would be a way of binding files (or directory hierarchies) to a particular set of memory nodes. Then you wouldn't need to pre-fault the data. Extended attributes might be one way of doing it.

>

- > Such pre-touching of files is common occurrence on the HPC (High Perf
- > Comp.) apps that run on the big honkin NUMA iron where cpusets were
- > born. I'm guessing that someone hosting 5000 web servers would rather
- > not deal with that particular hastle.

I'm looking at it from the perspective of job control systems that need to have a good idea what big datasets the jobs running under them are touching/sharing.

Paul