
Subject: Re: [ckrm-tech] [patch00/05]: Containers(V2)- Introduction
Posted by [Paul Menage](#) on Thu, 21 Sep 2006 01:52:30 GMT
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On 9/20/06, Chandra Seetharaman <sekharan@us.ibm.com> wrote:

>

> Interesting. So you could set up the fake node with "guarantee" and let
> it grow till "limit" ?

Sure - that works great. (Theoretically you could do this all in userspace - start by assigning "guarantee" nodes to a container/cpuset and when it gets close to its memory limit assign more nodes to it. But in practice userspace can't keep up with rapid memory allocators.

>

> BTW, can you do these with fake nodes:

> - dynamic creation

> - dynamic removal

> - dynamic change of size

The current fake numa support requires you to choose your node layout at boot time - I've been working with 64 fake nodes of 128M each, which gives a reasonable granularity for dividing a machine between multiple different sized jobs.

>

> Also, How could we account when a process moves from one node to
> another ?

If you want to do that (the systems I'm working on don't really) you could probably do it with the `migrate_pages()` syscall. It might not be that efficient though.

Paul
