Subject: Re: [ckrm-tech] [PATCH] BC: resource beancounters (v4) (added user memory)
Posted by Dave Hansen on Fri, 08 Sep 2006 15:43:41 GMT
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On Fri, 2006-09-08 at 11:33 +0400, Pavel Emelianov wrote:
> I'm afraid we have different understandings of what a "guarantee" is.

It appears so.

> Don't we?
> Guarantee may be one of
>
>   1. container will be able to touch that number of pages
>   2. container will be able to sys_mmap() that number of pages
>   3. container will not be killed unless it touches that number of pages

A "death sentence" guarantee? I like it. :)

>   4. anything else
>
> Let's decide what kind of a guarantee we want.

I think of it as: "I will be allowed to use this many total pages, and
they are guaranteed not to fail." (1), I think. The sum of all of the
system's guarantees must be less than or equal to the amount of free
memory on the machine.

If we knew to which NUMA node the memory was going to go, we might as
well take the pages out of the allocator.

-- Dave