Subject: Re: [ckrm-tech] [PATCH] BC: resource beancounters (v4) (added user memory)
Posted by Pavel Emelianov on Fri, 08 Sep 2006 07:26:34 GMT
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Chandra Seetharaman wrote:
> On Thu, 2006-09-07 at 11:29 +0400, Pavel Emelianov wrote:
> <snip>
>
>
>>>> BUT: I remind you the talks at OKS/OLS and in previous UBC discussions.
>>>> It was noted that having a separate interfaces for CPU, I/O bandwidth
>>>>
>>>>
>>> But, it will be lot simpler for the user to configure/use if they are
>>> together. We should discuss this also.
>>>
>>>
>> IMHO such unification may only imply that one syscall is used to pass
>> configuration info into kernel.
>> Each controller has specific configurating parameters different from the
>> other ones. E.g. CPU controller must assign a "weight" to each group to
>> share CPU time accordingly, but what is a "weight" for memory controller?
>> IO may operate on "bandwidth" and it's not clear what is a "bandwidth" in
>> Kb/sec for CPU controller and so on.
>>
>
> CKRM/RG handles this by eliminating the units from the interface and
> abstracting them to be "shares". Each resource controller converts the
> shares to its own units and handles properly.
>
That's what I'm talking about - common syscall/ioct/etc and each controller
parses its input itself. That's OK for us.

[snip]