
Subject: Re: [ckrm-tech] [PATCH] BC: resource beancounters (v4) (added user memory)

Posted by [Chandra Seetharaman](#) on Fri, 08 Sep 2006 19:10:41 GMT

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On Fri, 2006-09-08 at 11:26 +0400, Pavel Emelianov wrote:

> 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 configuring 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.

Yes, we can eliminate the "units"(KBs, cycles/ticks, pages etc..) from the interface and use a (unitless) number to specify the amount of resource a resource group/container uses.

>

> [snip]

>

> -----

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> ckrm-tech mailing list

> <https://lists.sourceforge.net/lists/listinfo/ckrm-tech>

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Chandra Seetharaman | Be careful what you choose....
- sekharan@us.ibm.com |you may get it.
