
Subject: Re: [ckrm-tech] [RFC][PATCH] UBC: user resource beancounters
Posted by [Matt Helsley](#) on Fri, 18 Aug 2006 22:55:28 GMT

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On Fri, 2006-08-18 at 11:53 -0700, Chandra Seetharaman wrote:

> On Fri, 2006-08-18 at 14:36 +0400, Kirill Korotaev wrote:

<snip>

> > 2. as was discussed with a number of people on summit we agreed that

> > it maybe more flexible to not merge all resource types into one set.

> > CPU scheduler is usefull by itself w/o memory management.

> > the same for disk I/O bandwidht which is controlled in CFQ by

> > a separate system call.

> >

> > it is also more logical to have them separate since they

> > operate in different terms. For example, for CPU it is

> > shares which are relative units, while for memory it is

> > absolute units in bytes.

>

> We don't have to tie the units with the number. We can leave it to be

> sorted out between the user and the controller writer.

Yes. The user specifies a ratio of the parent group's resources and the controller maps that unitless number into appropriate units for the resource.

> Current implementation of resource groups does that.

IMHO this also better facilitates hotplug addition/removal of resources, arbitrary levels of groups, and containers.

<snip>

Cheers,

-Matt Helsley
