Subject: Re: [ckrm-tech] [PATCH] BC: resource beancounters (v4) (added user memory)
Posted by Chandra Seetharaman on Fri, 08 Sep 2006 19:23:44 GMT
View Forum Message <> Reply to Message

On Fri, 2006-09-08 at 11:33 +0400, Pavel Emelianov wrote:
> Chandra Seetharaman wrote:
> > On Thu, 2006-09-07 at 00:47 +0530, Balbir Singh wrote:
> >
> > <snip>
> >> Some not quite so urgent ones - like support for guarantees. I think
> >> this can
> >
> > IMO, guarantee support should be considered to be part of the
> > infrastructure. Controller functionalities/implementation will be
> > different with/without guarantee support. In other words, adding
> > guarantee feature later will cause re-implementations.
> I'm afraid we have different understandings of what a "guarantee" is.
> Don't we?

may be (I am not sure :), lets get it clarified.

> 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
>   4. anything else

I would say (1) with slight modification
   "container will be able to touch _at least_ that number of pages"

Note that it is not only in the context of memory alone, it is generic
across resources.

For CPU it will be, "container will get _at least_ X ticks in Y seconds"

For number of tasks it will be, "container will get _at least_ X active
tasks at any point of time" and so on.

And as Dave pointed, sum of guarantees of all containers _can not_
exceed the total amount of that resource available at the system level.

>
> Let's decide what kind of a guarantee we want.
> >> be worked out as we make progress.
> >>
> >>> I agree with these requirements and lets move into this direction.

> >>> But moving so far can't be done without accepting:
> >>> 1. core functionality
> >>> 2. accounting
> >>>
> >> Some of the core functionality might be a limiting factor for the requirements.
> >> Lets agree on the requirements, I think its a great step forward and then
> >> build the core functionality with these requirements in mind.
> >>
> >>> Thanks,
> >>> Kirill
> >>>
>
>
> --- ------------
> Using Tomcat but need to do more? Need to support web services, security?
> Get stuff done quickly with pre-integrated technology to make your job easier
> Download IBM WebSphere Application Server v.1.0.1 based on Apache Geronimo
> http://sel.as-us.falkag.net/sel?cmd=lnk&kid=120709&b id=263057&dat=121642
> _____
> ckrm-tech mailing list
> https://lists.sourceforge.net/lists/listinfo/ckrm-tech
--

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