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

Posted by Chandra Seetharaman on Tue, 12 Sep 2006 23:58:08 GMT

On Tue, 2006-09-12 at 14:48 +0400, Pavel Emelianov wrote:
<snip>
> > I do not think it is that simple since
> > - there is typically more than one class I want to set guarantee to
> > - I will not able to use both limit and guarantee
> > - Implementation will not be work-conserving.
> >
> > Also, How would you configure the following in your model ?
> >
> > 5 classes: Class A(10, 40), Class B(20, 100), Class C (30, 100), Class D
> > (5, 100), Class E(15, 50); (class_name(guarantee, limit))
> >
> What's the total memory amount on the node? Without it it's hard to make
> any
> guarantee.

I wrote the example treating them as %, so 100 would be the total amount
of memory.

> > "Limit only" approach works for DoS prevention. But for providing QoS
> > you would need guarantee.
> >
> You may not provide guarantee on physycal resource for a particular group
> without limiting its usage by other groups. That's my major idea.

I agree with that, but the other way around (i.e provide guarantee for
everyone by imposing limits on everyone) is what I am saying is not
possible.
>
> --- -------------
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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.
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