
Subject: Re: [RFC][PATCH] allow "unlimited" limit value.
Posted by [Balbir Singh](#) on Tue, 25 Sep 2007 11:54:38 GMT
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KAMEZAWA Hiroyuki wrote:

> On Tue, 25 Sep 2007 16:19:18 +0530
> Balbir Singh <balbir@linux.vnet.ibm.com> wrote:
>
>> Hi, Kamezawa-San,
>>
> Hi,
>
>> Your changes make sense, but not CLUI (Command Line Usage) sense.
>> 1. The problem is that when we mix strings with numbers, tools that
>> parse/use get confused and complicated
> yes, maybe.
>
>> 2. ULONGLONG_MAX is a real limit, there is no such thing as unlimited.
>> If the user does ever go beyond ULONGLONG_MAX, we will limit him :-)
>>
> Oh. res_counter.c uses LONGLONG_MAX as default value.
> need fix ? or intended ?

Pavel do you remember why LONG was chosen instead of ULONG?

> And okay there is no "unlimited" state.
>
>> Having said that, I do wish to have a more intuitive interface for
>> users. May be a perl/python script to hide away the numbers game
>> from the users. What do you think?
>>
> I agree with you that perl/python script can hide details. but they need knowledge
> about the maximum value, which is given as default value.
>
> In short, what I want is some value like RLIM_INFINITY in ulimit.
>

I like the idea of RLIM_INFINITY and how ulimit as a tool shows a value. I guess we need something like RES_COUNTER_LIMIT_MAX and the user tool can show the limit as maximum. We could also define a special number, RES_COUNTER_LIMIT_INFINITY, such that containers will not enforce limits when the limit is set to this value.

>
> Because it seems that res_counter.c will be used for other resource control purpose,
> I thought some generic way (value) to know/specify "the maximum value" is helpful for
> all resource controller interface.

>
> If there is an concensus that treaing ULONGLONG_MAX as default, it's ok.
>

When I worked on the first version of res_counters, I used 0 to indicate unlimited. When Pavel posted his version, I think derived from beancounters, we did not want to have unlimited containers, so he used the maximum value

> Thanks,
> -Kame
>

Thanks for looking into this,

--

Warm Regards,
Balbir Singh
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Containers mailing list
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