
Subject: Re: [RFC][PATCH] allow "unlimited" limit value.
Posted by [Balbir Singh](#) on Tue, 25 Sep 2007 10:49:18 GMT
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KAMEZAWA Hiroyuki wrote:

> just for a RFC.
>
> When I use memory controller, I notice that memory.limit_in_bytes shows
> just very big number, if unlimited.
>
> A user(or tool) has to know that the big number(LLONG_MAX) means "unlimited".
> IMHO, some interface which allows users to specify "unlimited" value is helpful.
>
> This patch tries to define value RES_COUTNER_UNLIMITED (== LLONG_MAX) and
> modifies an interface to support "unlimited" value.
>
> Because this patch breaks limit_in_bytes to some extent,
> I'm glad if someone has a better idea to show unlimited value.
> (if some easy value means "unlimited", it's helpful. LLONG_MAX is not easy
> to be recognized.)
>
> ==after this patch ==
> [root@aworks kamezawa]# echo -n 400000000 > /opt/cgroup/memory.limit_in_bytes
> [root@aworks kamezawa]# cat /opt/cgroup/memory.limit_in_bytes
> 400003072
> [root@aworks kamezawa]# echo -n unlimited > /opt/cgroup/memory.limit_in_bytes
> [root@aworks kamezawa]# cat /opt/cgroup/memory.limit_in_bytes
> unlimited
>

Hi, Kamezawa-San,

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
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 :-)

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?

--

Warm Regards,
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