
Subject: Re: [PATCH 2/2] Make res_counter hierarchical

Posted by [KAMEZAWA Hiroyuki](#) on Tue, 11 Mar 2008 08:32:25 GMT

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On Tue, 11 Mar 2008 11:15:56 +0300

Pavel Emelyanov <xemul@openvz.org> wrote:

> > Hmm? seems strange.

> >

> > IMO, a parent's usage is just sum of all childs'.

> > And, historically, memory overcommit is done against "memory usage + swap".

> >

> > How about this ?

> > <mem_counter_top, swap_counter_top>

> > <mem_counter_sub, swap_counter_sub>

> > <mem_counter_sub, swap_counter_sub>

> > <mem_counter_sub, swap_counter_sub>

> >

> > mem_counter_top.usage == sum of all mem_coutner_sub.usage

> > swap_counter_sub.usage = sum of all swap_counter_sub.usage

>

> I've misprinted in y tree, sorry.

> The correct hierarchy as I see it is

>

thank you.

> <mem_couter_0>

> + -- <swap_counter_0>

> + -- <mem_counter_1>

> | + -- <swap_counter_1>

> | + -- <mem_counter_11>

> | | + -- <swap_counter_11>

> | + -- <mem_counter_12>

> | + -- <swap_counter_12>

> + -- <mem_counter_2>

> | + -- <swap_counter_2>

> | + -- <mem_counter_21>

> | | + -- <swap_counter_21>

> | + -- <mem_counter_22>

> | + -- <swap_counter_22>

> + -- <mem_counter_N>

> + -- <swap_counter_N>

> + -- <mem_counter_N1>

> | + -- <swap_counter_N1>

> + -- <mem_counter_N2>

> + -- <swap_counter_N2>

>

please let me confirm.

- swap_counter_X.limit can be defined independent from mem_counter_X.limit ?
- swap_counter_N1's limit and swap_counter_N's have some relationship ?

Thanks,
-kame

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