
Subject: Re: [PATCH 1/2] rcfs core patch
Posted by [Herbert Poetzl](#) on Fri, 09 Mar 2007 13:29:22 GMT
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On Fri, Mar 09, 2007 at 12:07:27PM +0300, Kirill Korotaev wrote:

>> nobody actually cares about a precise accounting and
>> calculating shares or partitions of whatever resource,
>> all that matters is that you have a way to prevent a
>> potential hostile environment from sucking up all your
>> resources (or even a single one) resulting in a DoS

> This is not true. People care. Reasons:

- > - resource planning
- > - fairness
- > - guarantees

let me make that a little more clear ...

nobody cares wether a shared memory page is
accounted as full page or as fraction of a page
(depending on the number of guests sharing it)
as long as the accounted amount is substracted
correctly when the page is disposed

so there _is_ a difference between _false_
accounting (which seems what you are referring
to in the next paragraph) and imprecise, but
consistant accounting (which is what I was
talking about)

best,
Herbert

- > What you talk is about security only. Not the above issues.
- > So good precision is required. If there is no precision at all,
- > security sucks as well and can be exploited, e.g. for CPU
- > schedulers doing an accounting based on jiffies accounting in
- > scheduler_tick() it is easy to build an application consuming
- > 90% of CPU, but ~0% from scheduler POV.

> Kirill

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