Subject: Re: [RFC][PATCH 2/7] RSS controller core
Posted by dev on Tue, 13 Mar 2007 15:10:55 GMT
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>>So what to do when virtual physical limit is hit?
>>OOM-kill current task?
>
>
> when the RSS limit is hit, but there _are_ enough
> pages left on the physical system, there is no
> good reason to swap out the page at all
>
> - there is no benefit in doing so (performance
>   wise, that is)
>
> - it actually hurts performance, and could
>   become a separate source for DoS
>
> what should happen instead (in an ideal world :)
> is that the page is considered swapped out for
> the guest (add guest penality for swapout), and
> when the page would be swapped in again, the guest
> takes a penalty (for the 'virtual' page in) and
> the page is returned to the guest, possibly kicking
> out (again virtually) a different page

great. I agree with that.
Just curious why current vserver code kills arbitrary
task in container then?

>>> - accounting and limits have to be consistent
>>>   and should roughly represent the actual used
>>>   memory/swap (modulo optimizations, I can go
>>>   into detail here, if necessary)
>>
>>This is true for current implementation for
>>booth - this patchset ang OpenVZ beancounters.
>>
>>If you sum up the physpages values for all containers
>>you'll get the exact number of RAM pages used.
>
>
> hmm, including or excluding the host pages?

depends on whether you will include beanocunter 0 usages or not :)

Kirill

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