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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 penalty 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 and 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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Containers mailing list  
Containers@lists.osdl.org  
<https://lists.osdl.org/mailman/listinfo/containers>

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