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Subject: Re: [RFC][PATCH 2/7] RSS controller core  
Posted by [xemul](#) on Mon, 12 Mar 2007 09:02:01 GMT  
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>>> Maybe you have some ideas how we can decide on this?  
>> We need to work out what the requirements are before we can  
>> settle on an implementation.  
>  
> Linux-VServer (and probably OpenVZ):  
>  
> - shared mappings of 'shared' files (binaries  
> and libraries) to allow for reduced memory  
> footprint when N identical guests are running

This is done in current patches.

> - virtual 'physical' limit should not cause  
> swap out when there are still pages left on  
> the host system (but pages of over limit guests  
> can be preferred for swapping)

So what to do when virtual physical limit is hit?  
OOM-kill current task?

> - 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.

> - OOM handling on a per guest basis, i.e. some  
> out of memory condition in guest A must not  
> affect guest B

This is done in current patches.

Herbert, did you look at the patches before  
sending this mail or do you just want to  
'take part' in conversation w/o understanding  
of what is going on?

> HTC,  
> Herbert

>  
>> Sigh. Who is running this show? Anyone?  
>>  
>> You can actually do a form of overcommitment by allowing multiple  
>> containers to share one or more of the zones. Whether that is  
>> sufficient or suitable I don't know. That depends on the requirements,  
>> and we haven't even discussed those, let alone agreed to them.  
>>  
>> \_\_\_\_\_  
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