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Subject: Re: Re: Memory calculations

Posted by [Jeff Blasius](#) on Fri, 04 Jan 2008 18:36:16 GMT

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Hello Vaverin,

Yes, believe me, I've read the documentation and it's generally very good. But, for this particular point I just don't follow it. Maybe it's just me.

So, man vzcalc says little more than: (resources should be resources btw)  
Promised - shows the resources soft limit values "promised" for a given VE.  
Max - shows the resources hard limit values "promised" for a given VE.

This basically just redefines the terms promised and max, but doesn't relate them to openvz beancounters in any way. From my numbers it appears that

Promised = PRIVVMPAGES \* 4096 / Ram + Swap

and

Max = (PRIVVMPAGES \* 4096 / Ram + Swap) + Num. Proc

Assuming Num. Proc relates to the beancounter numproc,  
Num. Proc = Num. of processes within the VE / 16000 (from  
<http://wiki.openvz.org/Numproc#numproc>)

Is this correct?

I think my problems with the above are two things.

1. I'm not certain where max comes from and if it does come from the above inferred formulas why it's really useful. I mean it's the maximum of two seemingly independent beancounters. and
2. Promised seems like a misleading word (if in fact it does relate to PRIVVMPAGES) since VMGUARPAGES is actually the "allocation guarantee".

Thanks,

jeff

On Dec 24, 2007 5:59 AM, vaverin <[vvv@sw.ru](mailto:vvv@sw.ru)> wrote:

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> [http://wiki.openvz.org/UBC\\_systemwide\\_configuration](http://wiki.openvz.org/UBC_systemwide_configuration)

> man vzcalc

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