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Subject: Re: VE memory misconfigured / misreported

Posted by [piavlo](#) on Thu, 21 Aug 2008 15:25:36 GMT

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So your VE current RAM usage is 171M since  
 $(\text{physpages} * 4096 + \text{kmemsize} + \text{allsocketbuf}) / 1024 / 1024 =$   
 $= 42568 * 4096 + 4761437 + (142080 + 214188 + 17760 + 0) / 1024 / 1024 =$   
 $= 179493993 / 1024 / 1024 = 171$

Also since oomguarpages equals physpages (since no VE pages are swaped out by the kernel)  
the RAM+SWAP=RAM in your case.

Now total current allocated "virtual" (but not used) memory for VE is  
 $1908\text{MB}(\text{privvmpages} * 4096 + \text{kmemsize} + \text{allsocketbuf}) / 1024 / 1024 =$   
 $= 487310 * 4096 + 4761437 + (142080 + 214188 + 17760 + 0) / 1024 / 1024 =$   
 $2001157225 / 1024 / 1024 = 1908\text{MB}$

This huge difference is since your VE apps ask for too much memory but don't actually use it. For  
example i took a look at my VE with nginx webserver and php-cgi and it's RAM usage is 55M  
while "virtual" memory is 92M. So look in tool like htop to find which of the apps is asking for  
too much memory but not using it.

It's all in [http://wiki.openvz.org/UBC\\_systemwide\\_configuration](http://wiki.openvz.org/UBC_systemwide_configuration)

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