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Subject: Re: poor performance inside a VE  
Posted by [dev](#) on Sun, 11 Mar 2007 08:05:15 GMT  
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- what kernel do you run?
- is it binary one from openvz.org or compiled by yourself? (please provide .config then)
- cat /proc/cpuinfo from host please
- can you also provide output of top (then press '1') during the renderer working in VE

Thanks,  
Kirill

Ian P. Christian wrote:

> Hi all,  
>  
> A friend recently wanted to do some rendering, so I setup him up a VPS  
> quickly on an idle machine for him to render on.... however - it didn't  
> go so well.  
>  
> Here's the output of dstat with the rendering goign on in VE0 (the host).  
>  
>  
> ----total-cpu-usage---- -disk/total -net/total- ---paging-- ---system--  
> usr sys idl wai hiq siq|\_read write|\_recv \_send|\_\_in\_\_out\_|\_int\_ \_csw\_  
> 17 1 82 0 0 0| 22k 637k| 0 0| 0 0| 236 948  
> 54 0 46 0 0 0| 0 0| 2773B 4860B| 0 0| 126 818  
> 61 3 36 0 0 0| 0 16k| 596B 360B| 0 0| 141 759  
> 77 1 22 0 0 0| 0 0| 2835B 4840B| 0 0| 118 707  
> 81 1 18 0 0 0| 0 80k| 0 0| 0 0| 124 747  
>  
>  
> As you can see, it's using most of the CPU (there's 2 hyperthreading  
> xeon in this machine), and all is well. The render completes in about  
> 30 minutes.  
>  
>  
> However... here's what happens when I run ths render inside a VE  
> ----total-cpu-usage---- -disk/total -net/total- ---paging-- ---system--  
> usr sys idl wai hiq siq|\_read write|\_recv \_send|\_\_in\_\_out\_|\_int\_ \_csw\_  
> 18 1 81 0 0 0| 22k 626k| 0 0| 0 0| 234 971  
> 2 0 98 0 0 0| 0 0| 2675B 4500B| 0 0| 120 11k  
> 0 0 99 0 0 0| 0 16k| 0 0| 0 0| 126 12k  
> 2 0 98 0 0 0| 0 0| 1999B 3730B| 0 0| 121 9010  
> 1 0 99 0 0 0| 0 16k| 0 0| 0 0| 125 11k  
> 1 0 99 0 0 0| 0 0| 1935B 3730B| 0 0| 116 10k  
>  
>

> Notice the stupidly high number of context switches (last column). The  
> render on the VE is estimated to take about 10 times longer...  
>  
> # in=spaceinvader.flam3 format=png transparency=false prefix="renderc"  
> verbose=1 flam3-render  
> Automatically detected 4 core(s)...  
> chaos: 0.5% ETA: 286.5 minutes  
>  
>  
> Can anyone suggest why this is?  
>  
>

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