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Subject: number of cpus on a x64 kernel  
Posted by [dvazart](#) on Mon, 24 Aug 2009 14:33:09 GMT  
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Hi !

When I run the following command seems to have no effect on the CT :

```
vzctl set 860 --cpus 1 --save
```

then i run :

```
vzctl exec 860 cat /proc/cpuinfo
```

this is what I got :

```
processor      : 0
vendor_id     : GenuineIntel
cpu family    : 6
model         : 23
model name    : Intel(R) Xeon(R) CPU           E5405 @ 2.00GHz
stepping      : 10
cpu MHz       : 2000.070
cache size    : 6144 KB
physical id   : 0
siblings      : 4
core id       : 0
cpu cores     : 4
apicid        : 0
initial apicid : 0
fpu           : yes
fpu_exception : yes
cpuid level   : 13
wp            : yes
flags         : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush
dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant_tsc arch_perfmon pebs bts
rep_good pni monitor ds_cpl vmx tm2 ssse3 cx16 xtpr dca sse4_1 lahf_lm
bogomips     : 4003.52
clflush size  : 64
cache_alignment : 64
address sizes : 38 bits physical, 48 bits virtual
power management:

processor      : 1
```

vendor\_id : GenuineIntel  
cpu family : 6  
model : 23  
model name : Intel(R) Xeon(R) CPU E5405 @ 2.00GHz  
stepping : 10  
cpu MHz : 2000.070  
cache size : 6144 KB  
physical id : 1  
siblings : 4  
core id : 0  
cpu cores : 4  
apicid : 4  
initial apicid : 4  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush  
dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant\_tsc arch\_perfmon pebs bts  
rep\_good pni monitor ds\_cpl vmx tm2 ssse3 cx16 xtpr dca sse4\_1 lahf\_lm  
bogomips : 4000.23  
clflush size : 64  
cache\_alignment : 64  
address sizes : 38 bits physical, 48 bits virtual  
power management:

processor : 2  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 23  
model name : Intel(R) Xeon(R) CPU E5405 @ 2.00GHz  
stepping : 10  
cpu MHz : 2000.070  
cache size : 6144 KB  
physical id : 0  
siblings : 4  
core id : 1  
cpu cores : 4  
apicid : 1  
initial apicid : 1  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts  
acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant\_tsc arch\_perfmon pebs bts rep\_good  
pni monitor ds\_cpl vmx tm2 ssse3 cx16 xtpr dca sse4\_1 lahf\_lm  
bogomips : 4000.24

clflush size : 64  
cache\_alignment : 64  
address sizes : 38 bits physical, 48 bits virtual  
power management:

processor : 3  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 23  
model name : Intel(R) Xeon(R) CPU E5405 @ 2.00GHz  
stepping : 10  
cpu MHz : 2000.070  
cache size : 6144 KB  
physical id : 1  
siblings : 4  
core id : 1  
cpu cores : 4  
apicid : 5  
initial apicid : 5  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts  
acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant\_tsc arch\_perfmon pebs bts rep\_good  
pni monitor ds\_cpl vmx tm2 ssse3 cx16 xtpr dca sse4\_1 lahf\_lm  
bogomips : 4000.24  
clflush size : 64  
cache\_alignment : 64  
address sizes : 38 bits physical, 48 bits virtual  
power management:

processor : 4  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 23  
model name : Intel(R) Xeon(R) CPU E5405 @ 2.00GHz  
stepping : 10  
cpu MHz : 2000.070  
cache size : 6144 KB  
physical id : 0  
siblings : 4  
core id : 2  
cpu cores : 4  
apicid : 2  
initial apicid : 2  
fpu : yes  
fpu\_exception : yes

cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts  
acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant\_tsc arch\_perfmon pebs bts rep\_good  
pni monitor ds\_cpl vmx tm2 ssse3 cx16 xtpr dca sse4\_1 lahf\_lm  
bogomips : 4000.22  
clflush size : 64  
cache\_alignment : 64  
address sizes : 38 bits physical, 48 bits virtual  
power management:

processor : 5  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 23  
model name : Intel(R) Xeon(R) CPU E5405 @ 2.00GHz  
stepping : 10  
cpu MHz : 2000.070  
cache size : 6144 KB  
physical id : 1  
siblings : 4  
core id : 2  
cpu cores : 4  
apicid : 6  
initial apicid : 6  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts  
acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant\_tsc arch\_perfmon pebs bts rep\_good  
pni monitor ds\_cpl vmx tm2 ssse3 cx16 xtpr dca sse4\_1 lahf\_lm  
bogomips : 4000.24  
clflush size : 64  
cache\_alignment : 64  
address sizes : 38 bits physical, 48 bits virtual  
power management:

processor : 6  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 23  
model name : Intel(R) Xeon(R) CPU E5405 @ 2.00GHz  
stepping : 10  
cpu MHz : 2000.070  
cache size : 6144 KB  
physical id : 0  
siblings : 4

core id : 3  
cpu cores : 4  
apicid : 3  
initial apicid : 3  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts  
acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant\_tsc arch\_perfmon pebs bts rep\_good  
pni monitor ds\_cpl vmx tm2 ssse3 cx16 xtpr dca sse4\_1 lahf\_lm  
bogomips : 4000.20  
clflush size : 64  
cache\_alignment : 64  
address sizes : 38 bits physical, 48 bits virtual  
power management:

processor : 7  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 23  
model name : Intel(R) Xeon(R) CPU E5405 @ 2.00GHz  
stepping : 10  
cpu MHz : 2000.070  
cache size : 6144 KB  
physical id : 1  
siblings : 4  
core id : 3  
cpu cores : 4  
apicid : 7  
initial apicid : 7  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts  
acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant\_tsc arch\_perfmon pebs bts rep\_good  
pni monitor ds\_cpl vmx tm2 ssse3 cx16 xtpr dca sse4\_1 lahf\_lm  
bogomips : 4000.23  
clflush size : 64  
cache\_alignment : 64  
address sizes : 38 bits physical, 48 bits virtual  
power management:

Why the command not seems to work ?

Im running a debian Lenny 2.6.26-2-openvz-amd64

Thanks!

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Subject: Re: number of cpus on a x64 kernel  
Posted by [curx](#) on Mon, 24 Aug 2009 16:09:57 GMT  
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Hi,

you need a stable OpenVZ Kernel, the 2.6.18 RHEL branch, not a devel one ... see  
[http://bugzilla.openvz.org/show\\_bug.cgi?id=909](http://bugzilla.openvz.org/show_bug.cgi?id=909)

Bye,  
Thorsten

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Subject: Re: number of cpus on a x64 kernel  
Posted by [dvazart](#) on Tue, 25 Aug 2009 06:10:32 GMT  
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Thank for your answer...

Do you know what is the stable kernel for Debian Lenny x64 ? do you think if I make a apt-get upgrade that will solve this problem ?

Thx.

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Subject: Re: number of cpus on a x64 kernel  
Posted by [dvazart](#) on Thu, 27 Aug 2009 15:15:10 GMT  
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I'm looking for the "easy debian way" to solve this problem without compile a new kernel, can somebody help me please ?

Thanks.

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