
Subject: Missing CPU Cores

Posted by [jackbauer86](#) on Tue, 24 Feb 2009 18:53:09 GMT

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Hey Everyone,

I've been reading this forum for quite some time so thanks to all that have posted thus far. This is my first post!

I'm having issues with a new server I put online with an Intel Core2Quad processor, 8GB of RAM and OpenVZ. The system is only detecting one core:

```
[root@server ~]# cat /proc/cpuinfo
processor      : 0
vendor_id     : GenuineIntel
cpu family    : 6
model         : 23
model name    : Intel(R) Core(TM)2 Quad CPU  Q8200  @ 2.33GHz
stepping      : 7
cpu MHz       : 2327.551
cache size    : 2048 KB
physical id   : 0
siblings      : 1
core id       : 0
cpu cores     : 1
fpu           : yes
fpu_exception : yes
cpuid level   : 10
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 syscall nx lm constant_tsc up pni monitor ds_cpl est tm2 cx16
xtpr lahf_lm
bogomips      : 4659.10
clflush size  : 64
cache_alignment : 64
address sizes  : 36 bits physical, 48 bits virtual
power management:
```

This is the current kernel I'm running:

```
[root@server ~]# uname -a
Linux shauna.umbrahosting.com 2.6.18-92.1.18.el5.028stab060.2 #1 SMP Tue Jan 13 11:38:36
MSK 2009 x86_64 x86_64 x86_64 GNU/Linux
```

Here is information about my OS:

```
[root@server ~]# cat /etc/redhat-release
```

CentOS release 5.2 (Final)

Has anyone else run into this problem? OpenVZ seems to use all of the memory however the CPU usage is ~75% with 500 processes running on the server (when we typically run 1000+ on a quad core CPU).

Thanks for your time!

Subject: Re: Missing CPU Cores
Posted by [maratrus](#) on Wed, 25 Feb 2009 07:49:23 GMT
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Hello,

Quote:

```
[root@server ~]# cat /proc/cpuinfo
```

where did you get this output from? Did you get it from HN or from inside the VE?
(check --cpus parameter of vzctl utility)

Could you please check that 2.6.18-92.1.18.el5 kernel works normally? (OpenVZ kernel is based on this RHEL kernel)

Subject: Re: Missing CPU Cores
Posted by [jackbauer86](#) on Wed, 25 Feb 2009 17:47:00 GMT
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All of the commands were run from the hardware node. The system isn't picking up the additional cores other than CPU0, meaning I have a quad core processor that only uses 1 core

Subject: Re: Missing CPU Cores
Posted by [maratrus](#) on Wed, 25 Feb 2009 17:51:57 GMT
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Please check RHEL5 based kernel. Does it work?
