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Subject: "cpus" config option and "--set cpus" issue  
Posted by [pauld](#) on Fri, 16 Jan 2009 11:39:06 GMT  
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Hello there,

I'm just starting out with openvz and have created my initial template following the walkthrough at [http://wiki.openvz.org/Ubuntu\\_Hardy\\_template\\_creation](http://wiki.openvz.org/Ubuntu_Hardy_template_creation).

I didn't really run into any issues with this (quite excellent) howto, but when trying to set the number of CPUs visible from a container, either using the command `vzctl set <veid> --cpus <num> --save` or by specifying and applying a ve config `CPUS="1"` the number of processors within the container stays the same as the hardware host.

```
root@vz:~# vzctl --version
vzctl version 3.0.22
root@vz:~# uname -a
Linux vz 2.6.24-23-openvz #1 SMP Thu Nov 27 20:50:16 UTC 2008 x86_64 GNU/Linux
root@vz:~# vzlist
  VEID  NPROC STATUS IP_ADDR  HOSTNAME
  777    9 running -      -
root@vz:~# cat /proc/cpuinfo | egrep "processor|vendor_id"
processor      : 0
vendor_id     : GenuineIntel
processor      : 1
vendor_id     : GenuineIntel
processor      : 2
vendor_id     : GenuineIntel
processor      : 3
vendor_id     : GenuineIntel
processor      : 4
vendor_id     : GenuineIntel
processor      : 5
vendor_id     : GenuineIntel
processor      : 6
vendor_id     : GenuineIntel
processor      : 7
vendor_id     : GenuineIntel
root@vz:~# vzctl set 777 --cpus 1 --save
Setting CPUs: 1
Saved parameters for VE 777
root@vz:~# vzctl restart 777
Restarting VE
Stopping VE ...
VE was stopped
VE is unmounted
Starting VE ...
```

```
VE is mounted
Setting CPU units: 1000
Setting CPUs: 1
Configure meminfo: 9223372036854775807
File resolv.conf was modified
VE start in progress...
root@vz:~# vzctl exec 777 cat /proc/cpuinfo | egrep "processor|vendor_id"
processor      : 0
vendor_id     : GenuineIntel
processor      : 1
vendor_id     : GenuineIntel
processor      : 2
vendor_id     : GenuineIntel
processor      : 3
vendor_id     : GenuineIntel
processor      : 4
vendor_id     : GenuineIntel
processor      : 5
vendor_id     : GenuineIntel
processor      : 6
vendor_id     : GenuineIntel
processor      : 7
vendor_id     : GenuineIntel
```

Is there any more information I can provide to shine more light on this issue? (If it is indeed an issue and I amn't just misunderstanding the --cpus flag!) Any suggestions are greatly appreciated.

Regards,  
Paul

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