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Subject: Limiting CPU resources to a VE?  
Posted by [Ubuntu](#) on Tue, 24 Feb 2009 17:28:53 GMT  
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Hello

I've searched this forum, I've searched Google, and I can't find a way of limiting the CPU resources available to a VE.

I am in the process of benchmarking native vs. Xen vs. OpenVZ on an Opteron system with 8 cores.

What I want to do is to limit the CPU power in the VE to 2 cores. Doesn't matter which ones.

I have tried this:

```
vzctl set 101 --save --cpulimit 200  
(has no effect)
```

```
vzctl set 101 --save --cpus=2  
(again has no effect)
```

When I say it does not work, when I run a benchmark in the VE I am getting the same performance I would if I run it natively on the system with all 8 cores available. i.e. it is running too fast, proving that I am not limited to the power of 2 cores.

My benchmark is multi-core aware.

How do I limit the CPUs in the VE to the equivalent of 2 processor cores?

When I start the VE I get this:

```
Setting CPU limit: 0  
Setting CPU units: 1000  
Setting CPUs: 2
```

However, in the VE, when I have a look at `/cat/proc/cpuinfo` there are 8 processors there. And as I say, I'm getting performance associated with the native machine.

I'm using Ubuntu 8.04 for the OpenVZ host, kernel is 2.6.24.

Thanks

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