
Subject: Re: Making a VE use a particular cpu
Posted by [maratrus](#) on Tue, 23 Dec 2008 14:48:07 GMT
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Hello,

as far as I understand (and please correct me if I'm wrong) cpuset changes task_struct->cpu_allowed field according to its rules.

That's mean that we bind the task not to physical but virtual cpus (it is OpenVZ specific feature). Virtual CPUs are bound to physical CPUs but this connection is not permanent. So, your task could be bound to virtual CPU (vcpu) but actually run on different physical CPUs (pcpu).

We can conduct the following experiment (on the test node!)

Set appropriate sets with cset command as described in previous post.

Run our VE and issue inside that VE the command e.g.

```
# cat /dev/zero > /dev/null &
```

then on the HN trigger several times:

```
# echo "p" > /proc/sysrq-trigger
```

and look in dmesg. There should be appear information concerning with the task running on that moment (physical and virtual CPUs numbers also should be shown). Our goal is catch "cat" process inside VE running on different physical CPUs.