Subject: limiting cpu core number
Posted by [jevelyt](#) on Sun, 28 Mar 2010 10:56:00 GMT
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Hello,

I have 8 cores CPU. When i create container everybody are getting all 8 cores. Is there any way to limit cpu core number? For example instead of giving 8 x 10% (8 cores cpu and 10% per core) give 4 x 20% or 1 core with 80% CPU?

Thank you.

Subject: Re: limiting cpu core number
Posted by [jevelyt](#) on Sat, 03 Apr 2010 13:23:33 GMT
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Any suggestions?

Subject: Re: limiting cpu core number
Posted by [curx](#) on Sun, 04 Apr 2010 15:48:55 GMT
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see man page vzctl:

options:

 cpuunits
 cpulimit
 cpus

Bye,
Thorsten

Subject: Re: limiting cpu core number
Posted by [jevelyt](#) on Wed, 07 Apr 2010 14:34:06 GMT
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Thank you very much

One more interesting question:

For example we have 8 cores CPU and we start 1 process which eats 50% of 1 core CPU (when we look through - htop) and other 7 cores eats ~0-2%.
If we will limit cpu cores to 4, the Mhz per core will double and we will get increase in performance

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for that process i.e. there will be 4 cores and that process will eat not 50%, but ~25% theoretically? I'm right or no?
It's interesting because there are a lot of processes which don't support multicore and it will be better if we will limit cores for ex. to 1 to get improvement in performance.
Thank you.