Subject: cpuunits
Posted by grep on Sun, 08 Dec 2013 05:37:56 GMT
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Hello,

i know, this topic was already often here and on google, but i dont understand completly cpuunits.

My test server: 200% CPU, 2 Cores.
Current CPU utilization: 121111
Power of the node: 180006
When i want to garantuee one VE 50% CPU share then i would need to assign 90000 cpuunits, right?

I made some tests with stress testers.
When i assign one VE 2000 cpu units, it get on stresser 100% cpu and the other two VEs get 50% cpu (i checked with top).

Shouldnt it be, that at 2000 cpuunits the VE gets around 55% cpu and not 100%? 100% is the half of the total node and i took only 2000.
If i use the full cpu units of the node to the VE (vzctl set 101 --cpuunits 180000), then it is the same result as when i assign only 2000.

Can please sometime spend his time and explain a dumb person like me how this can be?

Please see my test results. Already when i make the interger value +1 the ve get much more cpu. It dont make the results better when i make the interger more high.

Thanks so much, my head is already smoking and my brain working and working but, hmm... ok, please help ))

PS: If every VE have the same cpuunits, then it is like fair use of all containers?

Test results:
VE 100, cpuunit 1000
real 1m43.342s
user 1m5.196s
sys 0m0.101s
VE 101, cpuunit 1000
real 1m42.879s
user 1m5.365s
sys 0m0.084s
VE 102, cpuunit 1000
real 1m29.582s
user 1m5.063s
sys 0m0.135s

VE 100, cpuunit 1001

real 0m13.094s
VE 101, cpuunit 1000
real 0m17.058s
VE 102, cpuunit 1000
real 0m16.851s

VE 100, cpuunit 20000
real 1m15.323s
user 1m5.034s
sys 0m0.069s
VE 101, cpuunit 1000
real 1m40.064s
user 1m5.291s
sys 0m0.100s
VE 102, cpuunit 1000
real 1m43.121s
user 1m4.120s
sys 0m0.135s

VE 100, cpuunit 180000
real 1m5.432s
user 1m5.188s
sys 0m0.035s
VE 101, cpuunit 1000
real 1m44.517s
user 1m5.314s
sys 0m0.115s
VE 102, cpuunit 1000
real 1m45.020s
user 1m5.059s
sys 0m0.225s

VE 100, cpuunit 180000
real 1m5.673s
user 1m5.115s
sys 0m0.105s
VE 101, cpuunit 1000
real 1m47.805s
user 1m0.395s
sys 0m0.106s
VE 102, cpuunit 500
real 1m32.997s
user 1m5.217s
sys 0m0.151s

VE 100, cpuunit 1500
real 1m31.839s
user 1m5.296s

sys 0m0.092s
VE 101, cpuunit 1000
real 1m46.488s
user 1m0.188s
sys 0m0.104s
VE 102, cpuunit 2000
real 1m12.817s
user 1m5.029s
sys 0m0.076s