
Subject: vzctl set cpuunits and vzcpucheck strange behaviour

Posted by [Paparaciz](#) on Thu, 14 Jan 2010 21:14:59 GMT

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I don't know if I missed something or is it just a bug....

kernel 2.6.18-164.2.1.el5.028stab066.10
vzctl-3.0.23-1

in each HN i have 1 CT runing (httpd, mysql with replication)

so there is a command sequence on HN

```
#vzctl set 502 --cpuunits 1000 --save
```

Setting CPU units: 1000

Saved parameters for CT 502

```
#vzcpucheck
```

Current CPU utilization: 2000

Power of the node: 160011

ok

```
#vzctl set 502 --cpuunits 10000 --save
```

Setting CPU units: 10000

```
#vzcpucheck
```

Current CPU utilization: 11000

Power of the node: 160011

emm ok

```
#vzctl set 502 --cpuunits 30000 --save
```

Setting CPU units: 30000

```
#vzcpucheck
```

Current CPU utilization: 32250

Power of the node: 160011

emmm why 32250 not 31000??

ok, let it be...

```
# vzctl set 502 --cpuunits 120000 --save
```

```
..
```

Current CPU utilization: 126000

+6000

ok

```
# vzctl set 502 --cpuunits 130000 --save
```

Current CPU utilization: 167666
Power of the node: 160011
Warning: hardware node is overcommitted

emm, what??

```
# vzctl set 502 --cpuunits 124000 --save
```

..

Current CPU utilization: 126000

```
# vzctl set 502 --cpuunits 125000 --save
```

..

Current CPU utilization: 126000

final

```
# vzctl set 502 --cpuunits 126000 --save
```

```
# vzcpucheck
```

Current CPU utilization: 167666

Power of the node: 160011

Warning: hardware node is overcommitted

so...

why some time vzctl set and vzcpucheck gives different expected result.

why setting cpuunits to 126000 gives hardware overcommitted while hardware node has power of 160011