
Subject: Fine Tuning system resources and power of VE / asterisk optimizations

Posted by [martink1703](#) on Wed, 26 Nov 2008 13:35:37 GMT

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We are using a Dual Opteron with 8 cores and 32 GB RAM running Ubuntu with this Kernel :

2.6.24-openvz #2 SMP Fri Oct 31 23:39:58 CET 2008 x86_64 GNU/Linux

We need to increase the power of our VE 106 !

vzcpucheck

Current CPU utilization: 255000

Power of the node: 880229

vzcpucheck give us the Power of the node: 880229

VE0CPUUNITS=5000 /etc/vz.conf

with vzsplit we have divided the unit into 3 VE and with

vzctl set 106 --cpuunits 220037 --save

we have reached the maximum value of cpuunits

increasing cpuunits gives us an error :

```
vzctl set 106 --cpuunits 293383 --save
```

```
Setting CPU units: 293383
```

```
Saved parameters for VE 106
```

```
root@vic:/etc/vz/conf# vzcpucheck
```

```
ERROR: VE0 CPU units not set, or set too high!
```

```
Probably you have not started /etc/init.d/vz
```

This is our configuration for VE 106

```
# Configuration file generated by vzsplit for 3 VEs
# on HN with total amount of physical mem 32249 Mb
# low memory 32249 Mb, swap size 0 Mb, Max treads 8000
# Resource commit level 0:
```

Free resource distribution. Any parameters may be increased

Primary parameters

NUMPROC="55038:55038"

AVNUMPROC="27519:27519"

NUMTCPSOCK="55038:55038"

NUMOTHERSOCK="55038:55038"

VMGUARPAGES="1646882:9223372036854775807"

Secondary parameters

KMEMSIZE="2254368494:2479805343"

TCPSNDBUF="526020517:751456165"

TCPRCVBUF="526020517:751456165"

OTHERSOCKBUF="263010258:488445906"

DGRAMRCVBUF="263010258:263010258"

OOMGUARPAGES="1646882:9223372036854775807"

PRIVVMPAGES="4953446:5448790"

Auxiliary parameters

LOCKEDPAGES="110076:110076"

SHMPAGES="495344:495344"

PHYSPAGES="0:9223372036854775807"

NUMFILE="880608:880608"

NUMFLOCK="1000:1100"

NUMPTY="512:512"

NUMSIGINFO="1024:1024"

DCACHESIZE="492456512:507230208"

NUMIPTENT="200:200"

DISKSPACE="3439495:3783445"

DISKINODES="15339078:16872986"

CPUUNITS="220037"

What can we do to give this VE more Power ?

Which asterisk optimizations can be done ?

Greets

Martin