
Subject: Fine Tuning system resources and power of VE / asterisk optimizations
Posted by [martink1703](#) on Wed, 26 Nov 2008 13:35:37 GMT
[View Forum Message](#) <> [Reply to Message](#)

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 !

```
vzcpuchek
Current CPU utilization: 255000
Power of the node: 880229
```

vzcpuchek 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# vzcpuchek
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"
NUMTCP SOCK="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