
Subject: Resource issues

Posted by [viniciusmunich](#) on Mon, 19 Dec 2011 05:30:05 GMT

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Hello, I'm having some trouble allocating resources using openvz. It simply ignores memory limits, and does not allocate the CPU correctly.

Below are some details:

```
[root@skywalker ~]# vzcpucheck
Current CPU utilization: 10064
Power of the node: 1276960
```

On host:

```
[root@skywalker ~]# cat /proc/cpuinfo
```

```
processor : 0
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 1600.000
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 0
cpu cores : 4
apicid : 0
initial apicid : 0
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pri pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6385.84
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 1
vendor_id : GenuineIntel
cpu family : 6
```

model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 1600.000
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 1
cpu cores : 4
apicid : 2
initial apicid : 2
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 2
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 3201.000
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 2
cpu cores : 4
apicid : 4
initial apicid : 4
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt

pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 3
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 1600.000
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 3
cpu cores : 4
apicid : 6
initial apicid : 6
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 4
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 1600.000
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 0
cpu cores : 4

apicid : 1
initial apicid : 1
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtrp pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 5
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 1600.000
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 1
cpu cores : 4
apicid : 3
initial apicid : 3
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtrp pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 6
vendor_id : GenuineIntel

cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 1600.000
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 2
cpu cores : 4
apicid : 5
initial apicid : 5
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 7
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 1600.000
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 3
cpu cores : 4
apicid : 7
initial apicid : 7
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est

tm2 ssse3 cx16 xtptr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:
Note: I do not know why in some nuclei is shown 1600MHz.

Now in virtual machine 101 .. :

```
[root@skywalker ~]# vzctl enter 101
entered into CT 101
root@aurora [/]# cat /proc/cpuinfo
processor : 0
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 179.595
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 0
cpu cores : 4
apicid : 0
initial apicid : 0
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtptr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6385.84
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 1
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
```

stepping : 7
cpu MHz : 359.190
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 1
cpu cores : 4
apicid : 2
initial apicid : 2
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 2
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 314.061
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 2
cpu cores : 4
apicid : 4
initial apicid : 4
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67

clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 3
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

stepping : 7
cpu MHz : 179.595
cache size : 8192 KB
physical id : 0

siblings : 8
core id : 3
cpu cores : 4
apicid : 6
initial apicid : 6

fpu : yes
fpu_exception : yes
cpuid level : 13

wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pri pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid

bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 4
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

stepping : 7
cpu MHz : 179.595
cache size : 8192 KB
physical id : 0

siblings : 8
core id : 0
cpu cores : 4
apicid : 1
initial apicid : 1

fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 5
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7

cpu MHz : 179.595
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 1

cpu cores : 4
apicid : 3
initial apicid : 3

fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 6
vendor_id : GenuineIntel
cpu family : 6
model : 42

model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 179.595
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 2
cpu cores : 4
apicid : 5
initial apicid : 5
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid
bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

processor : 7
vendor_id : GenuineIntel
cpu family : 6
model : 42
model name : Intel(R) Xeon(R) CPU E31230 @ 3.20GHz
stepping : 7
cpu MHz : 179.595
cache size : 8192 KB
physical id : 0
siblings : 8
core id : 3
cpu cores : 4
apicid : 7
initial apicid : 7
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good xtopology nonstop_tsc aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est
tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 x2apic popcnt xsave avx lahf_lm ida arat epb xsaveopt
pln pts tpr_shadow vnmi flexpriority ept vpid

bogomips : 6384.67
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:

No matter how I change the CPU Units, the VM is always with those settings, 179MHz per core ..

Now, inside 101.conf
VMGUARPAGES="792576"
PRIVVMPAGES="792576"

Would be 3096m of ram, but when I run the command "free-m":

```
[root@skywalker conf]# vzctl enter 101
entered into CT 101
root@aurora [/]# free -m
      total    used    free   shared  buffers   cached
Mem:   8388607    406  8388201     0         0     67
-/+ buffers/cache:    339  8388268
Swap:     0         0         0
root@aurora [/]#
```

Memory limit is not imposed, I'm at an amazing machine, but I can't get any result with the VMs..

Using CentOS 6 on Host..

For this reason I was almost moving to xen, but I have complete vms hosting more than 100 sites, and I think a conversion would not be possible ..

Could anyone help me please?

I do not know what else to do ..
Can I perform a reinstallation of openvz?

Kernel: 2.6.32-042stab039.11

Subject: Re: Resource issues
Posted by [Paparaciz](#) on Mon, 19 Dec 2011 08:29:20 GMT
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for memory settings please read this article:
<http://wiki.openvz.org/Vswap>

on rhel6 based kernel you set memory limit with physpages parameter

take a look to ve-vswap-*.conf-sample config files

about cpu

You have set some with cpulimit and maybe other cpu related parameters
if you want set it to unlimited set --cpulimit 0

if you have more questions please paste CT config file

Subject: Re: Resource issues

Posted by [viniciusmunich](#) on Mon, 19 Dec 2011 08:54:50 GMT

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Paparaciz, thank you for your reply.

When I set CPU Units to be 0, I received this error:

```
[root@skywalker conf]# vzctl restart 101
Warning at /etc/vz/conf/101.conf:36: invalid value for CPUUNITS ("0"), skipped
Restarting container
Stopping container ...
Container was stopped
Container is unmounted
Starting container ...
Container is mounted
Adding IP address(es): 216.245.217.125 216.245.217.126 64.31.32.133 64.31.32.134
Setting CPU limit: 90
Setting CPU units: 1000
Setting CPUs: 8
Container start in progress...
```

"Setting CPU units: 1000"

My CT file:

```
#####
## SIMUZO OpenVZ Default Configuration File ##
#####
```

ONBOOT="yes"

```
# UBC parameters (in form of barrier:limit)
KMEMSIZE="2147483647:2147483647"
LOCKEDPAGES="999999:999999"
PRIVVMPAGES="792576"
SHMPAGES="792576"
NUMPROC="32567:32567"
PHYSPAGES="0:2147483647"
VMGUARPAGES="792576"
OOMGUARPAGES="792576"
NUMTCPSOCK="7999992:7999992"
```

```
NUMFLOCK="999999:999999"
NUMPTY="255:255"
NUMSIGINFO="1024:1024"
NUMSIGINFO="1024:1024"
TCPSNDBUF="214748160:396774400"
TCPRCVBUF="214748160:396774400"
OTHERSOCKBUF="214748160:396774400"
DGRAMRCVBUF="214748160:396774400"
NUMOTHERSOCK="7999992:7999992"
DCACHESIZE="2147483647:2147483647"
NUMFILE="23999976:23999976"
AVNUMPROC="180:180"
NUMIPTENT="999999:999999"
```

```
# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="419430400:419430400"
DISKINODES="48000000:48000000"
QUOTATIME="0"
```

```
# CPU fair sheduler parameter
CPUUNITS="0"
```

```
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="centos-5-x86_64"
ORIGIN_SAMPLE="vps.basic"
IP_ADDRESS="xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx"
HOSTNAME="hostname"
NAMESERVER="208.115.254.242 208.115.254.250"
QUOTAUGIDLIMIT="10000"
IOPRIO="0"
CPULIMIT="90"
CPUS="8"
```

When I set CPUS=4
Total processors: 4

Processor #1

Vendor
GenuineIntel

Name
Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

Speed
359.190 MHz

Cache
8192 KB

Processor #2

Vendor
GenuineIntel

Name
Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

Speed
359.190 MHz

Cache
8192 KB

Processor #3

Vendor
GenuineIntel

Name
Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

Speed
359.190 MHz

Cache
8192 KB

Processor #4

Vendor
GenuineIntel

Name
Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

Speed
359.190 MHz

Cache
8192 KB

CPUS=2
Total processors: 2

Processor #1

Vendor
GenuineIntel

Name
Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

Speed
1438.602 MHz

Cache
8192 KB

Processor #2

Vendor
GenuineIntel

Name
Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

Speed
719.301 MHz

Cache
8192 KB

CPUS=1
Total processors: 1

Processor #1

Vendor
GenuineIntel

Name
Intel(R) Xeon(R) CPU E31230 @ 3.20GHz

Speed
1438.602 MHz

Cache
8192 KB

I cannot understand..

Subject: Re: Resource issues

Posted by [Paparaciz](#) on Mon, 19 Dec 2011 09:05:20 GMT

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I said cpulimit, not cpuunits

in your config you are setting limit 90

please take a note, that to calculate cpulimit you have to sum all cores which you give for CT
so if you have 8 cores cpu all power is 800%

$8\text{cores} * 100\% = 800$

if you want that CT don't use more than 50% of cpu you have to set it to 400

with limit 90 you set ~10% of cpu power.

if you set for CT 2 cores (--cpus X)

than to calculate limits you need to sum: $2\text{cores} * 100\% = 200\%$

with limit 90 it would be little bit less than 50%

Subject: Re: Resource issues

Posted by [viniciusmunich](#) on Mon, 19 Dec 2011 09:18:23 GMT

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Oh, thank you so much! It worked

Sorry to have confused cpuunits with cpulimit.

Could explain to me how I should configure the memory limit with 6 RHEL kernel?

Subject: Re: Resource issues

Posted by [Paparaciz](#) on Mon, 19 Dec 2011 09:23:42 GMT

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As I said:

for memory settings please read this article:

<http://wiki.openvz.org/Vswap>

on rhel6 based kernel you set memory limit with physpages parameter

take a look to ve-vswap-*.conf-sample config files

Subject: Re: Resource issues

Posted by [viniciusmunich](#) on Mon, 19 Dec 2011 09:49:39 GMT

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Thanks again,

I set using the commands:

```
vzctl set VMID --swappages: XXXXM --save
```

```
vzctl set VMID ---physpages: XXXXM --save
```

Problem solved =)
