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Subject: Strange performance issue

Posted by [vaserv](#) on Mon, 20 Aug 2007 20:40:58 GMT

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I've got a strange performance issue on a host machine that has a number of VPS on it but I wouldn't call overloaded and it seems to be a CPU limit issue but I can't see what

On the host

```
[root@vz26uk ~]# time perl -e 'sqrt(100) for (0..1000000)'
```

```
real  0m0.044s
user  0m0.041s
sys   0m0.003s
```

Inside the VE

```
[root@vz26uk ~]# vzctl exec 881980 "time perl -e 'sqrt(100) for (0..1000000)'"
```

```
real  0m3.897s
user  0m3.881s
sys   0m0.015s
```

```
[root@vz26uk ~]# uname -a
```

```
Linux vz26uk.vaserv.com 2.6.9-023stab044.4-smp #1 SMP Mon May 28 23:15:47 MSD 2007
x86_64 x86_64 x86_64 GNU/Linux
```

```
[root@vz26uk ~]# uptime
```

```
16:32:49 up 5 days, 9:41, 1 user, load average: 1.37, 0.88, 0.67
```

CPU is Core2Quad with all 4 CPU's detected

```
[root@vz26uk ~]# free
```

```
      total    used    free   shared  buffers   cached
Mem:   6267700 6205080   62620     0    37960  1288820
-/+ buffers/cache: 4878300 1389400
Swap:  2096472     764  2095708
```

Slightly edited conf file

```
[root@vz26uk ~]# cat /etc/sysconfig/vz-scripts/881980.conf
```

```
ONBOOT="yes"
```

```
# UBC parameters (in form of barrier:limit)
```

```
# Primary parameters
```

```
AVNUMPROC="40:40"
```

```
NUMPROC="999999:999999"
```

```
NUMTCPSOCK="7999992:7999992"
```

```
NUMOTHERSOCK="7999992:7999992"  
VMGUARPAGES="131072:2147483647"  
# Secondary parameters  
KMEMSIZE="2147483646:2147483646"  
TCPSNDBUF="107374592:289400832"  
TCPRCVBUF="107374592:289400832"  
OTHERSOCKBUF="107374592:289400832"  
DGRAMRCVBUF="107374592:289400832"  
OOMGUARPAGES="131072:2147483647"  
# Auxiliary parameters  
LOCKEDPAGES="999999:999999"  
SHMPAGES="131072:131072"  
PRIVVMPAGES="262144:262144"  
NUMFILE="23999976:23999976"  
NUMFLOCK="999999:999999"  
NUMPTY="500000:500000"  
NUMSIGINFO="999999:999999"  
DCACHESIZE="2147483646:2147483646"
```

```
PHYSPAGES="0:2147483647"  
NUMIPTENT="999999:999999"
```

```
# Disk quota parameters (in form of softlimit:hardlimit)  
DISKSPACE="20480000:20480000"  
DISKINODES="10240000:10240000"  
QUOTATIME="0"
```

```
# CPU fair sheduler parameter  
CPUUNITS="1000"  
VE_ROOT="/vz/root/$VEID"  
VE_PRIVATE="/vz/private/881980"  
OSTEMPLATE="cpanel"  
ORIGIN_SAMPLE="vps.basic"  
QUOTAUGIDLIMIT="1000"  
CPULIMIT="400"  
MEMINFO="pages:262144"  
IPTABLES="iptables_filter iptable_mangle ipt_limit ipt_multiport ipt_tos ipt_TOS ipt_REJECT  
ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_LOG ipt_length ip_contrack ip_contrack_ftp ip_contrack_irc  
ipt_contrack ipt_state ipt_helper iptable_nat ip_nat_ftp ip_nat_irc ipt_REDIRECT"
```

Any ideas what is going on?

Thanks

Rus