

---

Subject: Cannot allocate memory  
Posted by [CleberDantas](#) on Thu, 01 Jun 2006 04:14:24 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

In VPS (fedora 4)

```
root@linux [/var/log]# vzctl set 101 --privvmpages 512M --save
UB limits were set successfully
Saved parameters for VPS 101
root@linux [/var/log]#
```

```
[root@linux home]# ls
ls: error while loading shared libraries: libpthread.so.0: failed to map segment from shared object:
Cannot allocate memory
[root@linux home]#
```

---

Subject: Re: Cannot allocate memory  
Posted by [dim](#) on Thu, 01 Jun 2006 07:25:31 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Provide `cat /proc/user\_beancounters` output please.

---

---

Subject: Re: Cannot allocate memory  
Posted by [CleberDantas](#) on Thu, 01 Jun 2006 13:30:11 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi Dim,

```
[root@linux ~]# cat /proc/user_beancounters
Version: 2.5
  uid resource      held  maxheld  barrier  limit  failcnt
  101: kmemsize     1729858 1900846 2752512 2936012 0
    lockedpages      0      8      32      32      0
    privvmpages     73605   75063   131072   131072   118
    shmpages        679     1975    8192    8192     0
    dummy            0      0      0      0      0
    numproc         56      59     5000    5000     19
    physpages       8907    21487     0 2147483647 0
    vmguarpages     0      0     6144 2147483647 0
    oomguarpages    8907    21487     6144 2147483647 0
```

```
numtcpsock      24      29      80      80      0
numflock        3       6     100     110      0
numpty          1       3      16      16      0
numsiginfo      2       9     256     256      0
tcpsndbuf      10780   235628 319488  524288    0
tcpvbuf        0    211660 319488  524288    0
othersockbuf   15160   24072  132096  336896    0
dgramrcvbuf    0      8372  132096  132096    0
numothersock   14      19    3000    3000      0
dcachesize     154638  159111 1048576 1097728    0
numfile        413     493    2048    2048      0
dummy          0       0      0       0         0
dummy          0       0      0       0         0
dummy          0       0      0       0         0
numiptent      10      10     128     128      0
```

[root@linux ~]#

---

Subject: Re: Cannot allocate memory  
Posted by [dim](#) on Thu, 01 Jun 2006 13:40:13 GMT  
[View Forum Message](#) <> [Reply to Message](#)

You need to allocate more memory for this VPS. And increase numproc value also.

---

Subject: Re: Cannot allocate memory  
Posted by [kir](#) on Thu, 01 Jun 2006 15:28:56 GMT  
[View Forum Message](#) <> [Reply to Message](#)

Read this: [http://wiki.openvz.org/Resource\\_management](http://wiki.openvz.org/Resource_management)

---

Subject: Re: Cannot allocate memory  
Posted by [dev](#) on Sat, 03 Jun 2006 06:32:45 GMT  
[View Forum Message](#) <> [Reply to Message](#)

1. `uname -a`
2. `ulimit -a`

---

Subject: Re: Cannot allocate memory  
Posted by [CleberDantas](#) on Sat, 03 Jun 2006 12:35:13 GMT  
[View Forum Message](#) <> [Reply to Message](#)

```
root@linux [~]# uname -a
Linux linux.servidor.com 2.6.8-022stab077.1 #1 Fri Apr 21 16:50:02 MSD 2006 i686 i686 i386
GNU/Linux
```

```
root@linux [~]# ulimit -a
core file size      (blocks, -c) 0
data seg size      (kbytes, -d) unlimited
file size          (blocks, -f) unlimited
pending signals    (-i) 1024
max locked memory  (kbytes, -l) unlimited
max memory size    (kbytes, -m) unlimited
open files         (-n) 1024
pipe size          (512 bytes, -p) 8
POSIX message queues (bytes, -q) 819200
stack size         (kbytes, -s) 8192
cpu time           (seconds, -t) unlimited
max user processes (-u) 16255
virtual memory     (kbytes, -v) unlimited
file locks         (-x) unlimited
root@linux [~]#
```

---

Subject: Re: Cannot allocate memory  
Posted by [dev](#) on Mon, 05 Jun 2006 07:34:37 GMT  
[View Forum Message](#) <> [Reply to Message](#)

1. do you have recompiled kernel or original binary from [openvz.org](#)?
2. are you running something in VPS or it is a freshly created VPS without any additional software inside?
3. is it reproducible?
4. it looks like you fail counters were hit before you changed the limits. Because, I can't believe that someone sane application could fork 5000 of processes. So can you check `/proc/user_beancounters` output after VPS stop; sleep 500; start; or machine reboot?