
Subject: Cannot allocate memory

Posted by [CleberDantas](#) on Thu, 01 Jun 2006 04:14:24 GMT

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Hi,

In VPS (fedora 4)

```
root@linux [/var/log]# vzctl set 101 --privvmpages 512M --save
UB limits were set succesfully
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

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Provide `cat /proc/user_beancounters` output please.

Subject: Re: Cannot allocate memory

Posted by [CleberDantas](#) on Thu, 01 Jun 2006 13:30:11 GMT

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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
tcprcvbuf	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

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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

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Read this: http://wiki.openvz.org/Resource_management

Subject: Re: Cannot allocate memory

Posted by [dev](#) on Sat, 03 Jun 2006 06:32:45 GMT

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

Subject: Re: Cannot allocate memory

Posted by [CleberDantas](#) on Sat, 03 Jun 2006 12:35:13 GMT

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```
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
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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?