
Subject: Memory Error in VE starting TurboGears Project

Posted by [guen](#) on Tue, 20 Nov 2007 23:48:31 GMT

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Hi,

I am trying to run a Python TurboGear Web-Project (including the TurboGear application server) in a VE, but I just get the error message "MemoryError". I am trying to get it run for days (I am new to openvz and debian) - so big thanks for help!!!

Server:

AMD Athlon 64 X2
5600+ Dual Core
2 GB DDR2 RAM
2 x 400 GB
SATA II
1 GBit OnBoard

Host:

uname -a

2.6.18-openvz-686 #1 SMP Tue Apr 10 20:28:40 CEST 2007 i686 GNU/Linux

VE:

uname -a

2.6.18-openvz-686 #1 SMP Tue Apr 10 20:28:40 CEST 2007 i686 GNU/Linux

free

	total	used	free	shared	buffers	cached
Mem:	2042324	1341492	700832	0	274236	960504
-/+ buffers/cache:		106752	1935572			
Swap:	2104440	0	2104440			

cat /proc/user_beancounters

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt	
300:	kmemsize	962067	1960462	2752512	2936012		0
	lockedpages	0	0	32	32	0	
	privvmpages	29803	51114	49152	53575	66	
	shmpages	0	1296	8192	8192	0	
	dummy	0	0	0	0		
	numproc	23	43	65	65	0	
	physpages	5091	18302	0	2147483647	0	
	vmguarpages	0	0	6144	2147483647	0	
	oomguarpages	5091	18302	6144	2147483647	0	
	numtcpsock	2	17	80	80	0	

numflock	4	10	100	110	0
numpty	1	3	16	16	0
numsignfo	0	5	256	256	0
tcpsndbuf	0	321408	319488	524288	9236
tcprcvbuf	0	481320	319488	524288	2428
othersockbuf	4464	16864	132096	336896	0
dgramrcvbuf	0	8376	132096	132096	0
numothersock	4	13	80	80	0
dcachesize	0	0	1048576	1097728	0
numfile	493	852	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

KMEMSIZE="2752512:2936012"
 LOCKEDPAGES="32:32"
 PRIVVMPAGES="49152:53575"
 SHMPAGES="8192:8192"
 NUMPROC="65:65"
 PHYSPAGES="0:2147483647"
 VMGUARPAGES="6144:2147483647"
 OOMGUARPAGES="6144:2147483647"
 NUMTCPSOCK="80:80"
 NUMFLOCK="100:110"
 NUMPTY="16:16"
 NUMSIGINFO="256:256"
 TCPSNDBUF="319488:524288"
 TCPRCVBUF="319488:524288"
 OTHERSOCKBUF="132096:336896"
 DGRAMRCVBUF="132096:132096"
 NUMOTHERSOCK="80:80"
 NUMFILE="2048:2048"
 DCACHESIZE="1048576:1097728"
 NUMIPTENT="128:128"
 AVNUMPROC="40:40"
 CPUUNITS="1000"
 ONBOOT="no"
 ORIGIN_SAMPLE="vps.basic"
 DISKSPACE="1048576:1153434"
 DISKINODES="200000:220000"
 QUOTATIME="0"
 ATIME="0"
 OSTEMPLATE=debian-4.0
 IP_ADDRESS="x.x.x.x"
 NAMESERVER="x.x.x.x"

Subject: Re: Memory Error in VE starting TurboGears Project
Posted by [Gregor Mosheh](#) on Wed, 21 Nov 2007 00:37:21 GMT
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guen wrote:

> I am trying to run a Python TurboGear Web-Project (including the
> TurboGear application server) in a VE, but I just get the error message
> "MemoryError".

MemoryError - That's a clue.

So are these fail counts:

```
>privvmpages    66
>tcpsndbuf      9236
>tcprcvbuf      2428
```

Up those limits and you should be A-OK.

That limit is about 260 MB, and I notice that the limit in your conf file is about 200. If I recall, TurboGears can be a bit of a memory hog, and you'd be best increasing the limit until things run smoothly, before trying to lower the limits.

--

Gregor Mosheh / Greg Allensworth
System Administrator, HostGIS cartographic development & hosting services
<http://www.HostGIS.com/>

"Remember that no one cares if you can back up,
only if you can restore." - AMANDA

Subject: Re: Memory Error in VE starting TurboGears Project
Posted by [efball](#) on Wed, 21 Nov 2007 00:41:59 GMT
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On Wed, Nov 21, 2007 at 12:48:31AM +0100, guen wrote:

```
> Hi,
>
> I am trying to run a Python TurboGear Web-Project (including the TurboGear
> application server) in a VE, but I just get the error message
> "MemoryError". I am trying to get it run for days (I am new to openvz and
> debian) - so big thanks for help!!!
>
> # cat /proc/user_beancounters
> Version: 2.5
>   uid resource      held  maxheld  barrier  limit  failcnt
>   privvmpages      29803   51114   49152   53575    66
>   tcpsndbuf         0  321408  319488  524288  9236
```

```
>      tcprcvbuf      0  481320  319488  524288  2428
```

Your settings for privvmpages, tcpsndbuf, and tcprcvbuf are too small. Failcounts should all be zeros, or you've got a problem.

How did you configure your config file settings? I recommend starting with the vzsplrit command (see "man vzsplrit"), and making adjustments from there if you need to.

--

E Frank Ball efball@efball.com
