
Subject: fork: Cannot allocate memory
Posted by [gorgi_selkov](#) on Fri, 01 Mar 2013 22:10:37 GMT
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Hi,

Is there any way to fix this stuff? I'm getting this error on my VPS - /etc/motd_dyn: fork: Cannot allocate memory

Please help me.

Regards,
George

Subject: Re: fork: Cannot allocate memory
Posted by [amissus](#) on Sun, 03 Mar 2013 09:43:56 GMT
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Probably resource shortage.

What about output of
cat /proc/user_beancounters or
cat /proc/bc/[ctid]/resources
or vzubc [ctid] command? Focus on column fail counts.

Similar issue here
<http://forum.openvz.org/index.php?t=msg&goto=9094&>

Subject: Re: fork: Cannot allocate memory
Posted by [gorgi_selkov](#) on Sun, 03 Mar 2013 10:16:08 GMT
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cat /proc/user_beancounters:

root@popularno:~# cat /proc/user_beancounters

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
1416:	kmemsize	53614111	62537728	88080384		100663296
	0					
	lockedpages	0	8	4096	4096	0
	privvmpages	233037	327680	262144	327680	
1890103						
	shmpages	1072	2368	262144	262144	
0						
	dummy	0	0	0	0	0

```

0      numproc          192          240          1024          1024          0
      physpages       158317       262108          0       262144
0      vmguarpages      0            0       262144       262144          0
      oomguarpages    133555       227146       262144       262144
0      numtcpsock       26           286          4096          4096          0
      numflock         7            8           4096          4096          0
      numpty           1            5            16            16            0
      numsiginfo       0            27           4096          4096          0
      tcpsndbuf        567328       2820456      14680064      16777216
0      tcprcvbuf       425984       1993072      14680064      16777216
0      othersockbuf    1253352       1914680      14680064      16777216
0      dgramrcvbuf     0            9248         14680064      16777216
0      numothersock    584           638          4096          4096          0
      dcachesize      33552215     33554432     29360128     33554432
0      numfile         4493         4945         16384         16384          0
      dummy            0            0            0            0            0
      dummy            0            0            0            0            0
      dummy            0            0            0            0            0
      numiptent       24           24           4096          4096          0
root@popularno:~#

```

the others shows

```

root@popularno:~# cat /proc/bc/[ctid]/resources
cat: /proc/bc/[ctid]/resources: No such file or directory

```

```

root@popularno:~# vzubc [ctid]
-bash: vzubc: command not found

```

Subject: Re: fork: Cannot allocate memory
 Posted by [gorgi_selkov](#) on Sun, 03 Mar 2013 10:19:55 GMT
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this is newest:

```

Version: 2.5
uid resource          held          maxheld          barrier

```

	limit	failcnt			
1416:	kmemsize		57459734	62537728	8
8080384		100663296	0		
	lockedpages		0	8	4096
4096		0			
	privvmpages		326529	327680	
262144		327680	1891685		
	shmpages		1072	2368	262144
262144		0			
	dummy		0	0	0
0		0			
	numproc		203	240	1024
1024		0			
	physpages		196693	262108	0
262144		0			
	vmguarpages		0	0	262144
262144		0			
	oomguarpages		170924	227146	
262144		262144	0		
	numtcpsock		35	286	4096
4096		0			
	numflock		7	8	4096
4096		0			
	numpty		1	5	16
16		0			
	numsiginfo		0	27	4096
4096		0			
	tcpsndbuf		1364216	2820456	1
4680064		16777216	0		
	tcprcvbuf		573440	1993072	1
4680064		16777216	0		
	othersockbuf		1250792	1914680	1
4680064		16777216	0		
	dgramrcvbuf		0	9248	1
16777216		0			4680064
	numothersock		580	638	4096
4096		0			
	dcachesize		33551386	33554432	2
9360128		33554432	0		
	numfile		4515	4945	16384
16384		0			
	dummy		0	0	0
0		0			
	dummy		0	0	0
0		0			
	dummy		0	0	0
0		0			
	numiptent		24	24	4096

```

4096          0
root@popularno:~# cat /proc/user_beancounters
Version: 2.5
uid resource          held          maxheld          barrier
  limit      failcnt
1416: kmemsize      57284486      62537728      8
8080384      100663296      0
  lockedpages      0      8      4096
4096          0
  privvmpages      327230      327680
262144      327680      1891745
  shmpages      1072      2368      262144
262144          0
  dummy          0      0      0
0          0
  numproc      203      240      1024
1024          0
  physpages      202365      262108      0
262144          0
  vmguarpages      0      0      262144
262144          0
  oomguarpages      176637      227146
262144      262144      0
  numtcpsock      25      286      4096
4096          0
  numflock      7      8      4096
4096          0
  numpty      1      5      16
16          0
  numsiginfo      0      27      4096
4096          0
  tcpsndbuf      711736      2820456      1
4680064      16777216      0
  tcprcvbuf      409600      1993072      1
4680064      16777216      0
  othersockbuf      1250792      1914680      1
4680064      16777216      0
  dgramrcvbuf      0      9248      1      4680064
16777216          0
  numothersock      580      638      4096
4096          0
  dcachesize      33551469      33554432      2
9360128      33554432      0
  numfile      4506      4945      16384
16384          0
  dummy          0      0      0
0          0
  dummy          0      0      0

```

```

0          0
  dummy          0          0          0
0          0
  numiptent      24          24          4096
4096          0

```

Subject: Re: fork: Cannot allocate memory
 Posted by [amissus](#) on Sun, 03 Mar 2013 11:17:25 GMT
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privvmpages 233037 327680 262144 327680 1890103
 // last column shows failures count of row parameter (privvmpages), as you can see, there is large number indicating insufficient memory. Everytime, when this resource is not enough, it increments failure counter. Your container is really insufficient with privvmpages.
 Post your CT config file, what OpenVZ kernel are you using?

Subject: Re: fork: Cannot allocate memory
 Posted by [gorgi_selkov](#) on Mon, 04 Mar 2013 14:33:19 GMT
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I'm hosting in Hosting24, they do not allow using of CT file, and this is what I received as an answer about the kernel version: OpenVZ operating system-level virtualization technology.

Is there any way to fix this stuff?

Subject: Re: fork: Cannot allocate memory
 Posted by [gorgi_selkov](#) on Mon, 04 Mar 2013 14:46:45 GMT
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root@popularno:~# cat /proc/user_beancounters

Version: 2.5

uid	resource	held	maxheld	barrier	limit
1416:	kmemsize	52942742	62537728	88080384	
100663296	failcnt	0			
	lockedpages	0	8	4096	4096
	privvmpages	221954	327680	262144	
327680	shmpages	1072	2368	262144	
262144		0			

```

0 dummy 0 0 0 0
0 numproc 188 246 1024 1024
0 physpages 152776 262181 0
262144 0 vmguarpages 0 0 262144 262144
0 oomguarpages 132589 227146 262144
262144 0 numtcpsock 19 286 4096 4096
0 numflock 7 8 4096 4096
0 numpty 1 5 16 16
0 numsiginfo 0 30 4096 4096
0 tcpsndbuf 347016 2820456 14680064
16777216 0 tcprcvbuf 311296 1993072 14680064
16777216 0 othersockbuf 1250792 1914680 14680064
16777216 0 dgramrcvbuf 0 9248 14680064
16777216 0 numothersock 580 641 4096 4096
0 dcachesize 33553073 33554432 29360128
33554432 0 numfile 4486 4945 16384 16384
0 dummy 0 0 0 0
0 dummy 0 0 0 0
0 dummy 0 0 0 0
0 numiptent 24 24 4096 4096
0

```

root@popularno:~#

Subject: Re: fork: Cannot allocate memory
 Posted by [amissus](#) on Mon, 04 Mar 2013 17:47:14 GMT
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Your container encounters memory insufficiency.
Consult it with your VPS provider, when you have not access to hardware node.
