
Subject: Openvz7 container hangs at out of memory
Posted by [wishd](#) on Wed, 02 Aug 2017 15:15:53 GMT
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Odd issue coming up. If a container runs out of memory it hangs. I can not stop, enter or shut it down. dmesg shows errors like:

Running kernel 3.10.0-514.16.1.vz7.30.15

```
[31650.198123] Task in /machine.slice/806bac77-11c9-4300-9959-32f4795ab5c3 killed as a
result of limit of /machine.slice/806bac77-11c9-4300-9959-32f4795ab5c3
[31650.198125] memory: usage 2097164kB, limit 2097152kB, failcnt 10087303
[31650.198127] memory+swap: usage 3145872kB, limit 3145728kB, failcnt 218116
[31650.198129] kmem: usage 130864kB, limit 9007199254740988kB, failcnt 0
[31650.198130] Memory cgroup stats for
/machine.slice/806bac77-11c9-4300-9959-32f4795ab5c3: cache:468KB rss:1965832KB
rss_huge:0KB mapped_file:232KB shmem:256KB slab_reclaimable:37376KB
slab_unreclaimable:41552KB swap:1048708KB inactive_anon:846572KB
active_anon:1119516KB inactive_file:8KB active_file:0KB unevictable:0KB
[31650.198143] Memory cgroup out of memory: Kill process 865079 (mysqld) score 66 or
sacrifice child
[31650.198186] Killed process 9910 (mysqld) in VE "806bac77-11c9-4300-9959-32f4795ab5c3"
total-vm:908868kB, anon-rss:31720kB, file-rss:0kB, shmem-rss:0kB
[31801.312842] INFO: task ps:882799 blocked for more than 120 seconds.
```

I have these limits:

CT-806bac77 # free

	total	used	free	shared	buff/cache	available
Mem:	2097152	291924	248116	316	1557112	1550724
Swap:	1048576	7044	1041532			

CT-806bac77 # df -m

Filesystem	1M-blocks	Used	Available	Use%	Mounted on
/dev/ploop32004p1	50267	22346	25755	47%	/
none	32075	0	32075	0%	/sys/fs/cgroup
none	32075	0	32075	0%	/dev
tmpfs	1024	0	1024	0%	/dev/shm
tmpfs	1024	1	1024	1%	/run

```
806bac77-11c9-4300-9959-32f4795ab5c3: kmemsize          56086528          58318848
9223372036854775807 9223372036854775807          0
      lockedpages          0          0          524288          524288          0
      privvmpages          266606          276619 9223372036854775807
9223372036854775807          0
      shmpages          420          2058 9223372036854775807
9223372036854775807          0
```

dummy	0	0	9223372036854775807	9223372036854775807	
0					
numproc	99	171	131072	131072	0
physpages	521225	524288	524288	524288	
0					
vmguarpages	0	0	786432	786432	0
oomguarpages	523579	526664	0	0	0
numtcpsock	0	0	9223372036854775807		
9223372036854775807	0				
numflock	16	21	9223372036854775807		
9223372036854775807	0				
numpty	0	0	9223372036854775807	9223372036854775807	
0					
numsiginfo	0	57	9223372036854775807		
9223372036854775807	0				
tcpsndbuf	0	0	9223372036854775807	9223372036854775807	
0					
tcprcvbuf	0	0	9223372036854775807	9223372036854775807	
0					
othersockbuf	0	0	9223372036854775807		
9223372036854775807	0				
dgramrcvbuf	0	0	9223372036854775807		
9223372036854775807	0				
numothersock	0	0	9223372036854775807		
9223372036854775807	0				
dcachesize	16924672	16924672	9223372036854775807		
9223372036854775807	0				
numfile	1642	1985	9223372036854775807		
9223372036854775807	0				
dummy	0	0	9223372036854775807	9223372036854775807	
0					
dummy	0	0	9223372036854775807	9223372036854775807	
0					
dummy	0	0	9223372036854775807	9223372036854775807	
0					
numiptent	544	547	2000	2000	0

The load on the system runs up as well when this happens. All other vm's work fine and I can enter them. Only containers are running on this, 16 with overall plenty of free CPU and ram otherwise.