
Subject: Abnormal memory centos EL6 64
Posted by [Nitrox](#) on Wed, 28 Mar 2012 10:53:08 GMT
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Hi

I have a server Lenovo TS130, Intel(R) Xeon(R) 3.20GH, with CentOS6 x64 and OpenVZ.

```
[root@iside ~]# uname -a
Linux iside 2.6.32-042stab049.6 #1 SMP Mon Feb 6 19:17:43 MSK 2012 x86_64 x86_64 x86_64
GNU/Linux
```

```
[root@iside ~]# free -m
      total    used    free   shared  buffers   cached
Mem:      15739    8834    6904      0      780    5689
-/+ buffers/cache:    2364    13374
Swap:      5118      0    5118
```

```
[root@iside ~]# top
top - 09:50:34 up 1 day, 16:42, 1 user, load average: 0.73, 0.42, 0.30
Tasks: 452 total, 1 running, 450 sleeping, 0 stopped, 1 zombie
Cpu(s): 0.3%us, 0.3%sy, 0.0%ni, 99.0%id, 0.4%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 16116776k total, 9044440k used, 7072336k free, 798864k buffers
Swap: 5241840k total, 0k used, 5241840k free, 5826844k cached
```

I have created some containers on it with different SO. Apparently all works good, but indeed all the containers have an abnormal comportament (i put one of them but are all the same) :

```
root@seshat:/# uname -a
Linux seshat 2.6.32-042stab049.6 #1 SMP Mon Feb 6 19:17:43 MSK 2012 i686 GNU/Linux
```

```
root@seshat:/# free -m
      total    used    free   shared  buffers   cached
Mem:      4194303      0 4194303      0      0    2307
-/+ buffers/cache: 4191996    2307
Swap:      0      0      0
```

```
root@seshat:/# top
top - 10:02:09 up 1 day, 16:54, 0 users, load average: 0.08, 0.23, 0.25
Tasks: 74 total, 1 running, 73 sleeping, 0 stopped, 0 zombie
Cpu(s): 8.5%us, 1.5%sy, 0.0%ni, 89.9%id, 0.0%wa, 0.0%hi, 0.0%si, 0.1%st
Mem: 4294967295k total, 0k used, 4294967295k free, 0k buffers
Swap: 0k total, 0k used, 0k free, 2363204k cached
```

```
[root@iside ~]# cat /proc/user_beancounters
```

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
120:	kmemsize	25155703	33099776	44223692		45508196

0	lockedpages	0	8	1024	1024	0
0	privvmpages	124788	175295	262144	262144	
0	shmpages	30	1326	86016	86016	0
	dummy	0	0	0	0	0
	numproc	95	168	960	960	0
0	physpages	666770	697932	0	2147483647	
0	vmguarpages	0	0	135168	2147483647	
0	oomguarpages	69622	100531	104448	2147483647	
0	numtcpsock	47	67	1440	1440	0
	numflock	10	45	752	824	0
	numpty	0	3	64	64	0
	numsiginfo	0	27	1024	1024	0
0	tcpsndbuf	1022176	6881280	6881280	10813440	
0	tcprcvbuf	808296	4438720	6881280	10813440	
0	othersockbuf	315192	680872	4504320	8388608	
0	dgramrcvbuf	0	50992	1048576	1048576	
0	numothersock	213	425	1440	1440	0
0	dcachesize	14494818	14499840	13639680	14499840	
0	numfile	1715	3350	37248	37248	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	14	14	512	512	0
104:	kmemsize	12678005	16769024	22111846	22754098	
0	lockedpages	0	11	512	512	0
0	privvmpages	76145	108175	131072	131072	
0	shmpages	16	992	43008	43008	0
	dummy	0	0	0	0	0
	numproc	53	93	480	480	0
0	physpages	105523	117848	0	2147483647	
0	vmguarpages	0	0	67584	2147483647	
0	oomguarpages	31047	38254	52224	2147483647	
0	numtcpsock	11	40	720	720	0

	numflock	7	18	376	412	0
	numpty	0	1	32	32	0
	numsignifo	0	27	512	512	0
0	tcpsndbuf	191840	2004608	3440640	5406720	
0	tcprcvbuf	180224	621912	3440640	5406720	
0	othersockbuf	228888	312360	2252160	4194304	
0	dgramrcvbuf	0	4360	524288	524288	0
	numothersock	157	185	720	720	0
0	dcachesize	7240691	7249920	6819840	7249920	
	numfile	930	1300	18624	18624	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	14	14	256	256	0
103:	kmemsize	13862909	21676032	22111846	22754098	
0	lockedpages	0	0	512	512	0
0	privvmpages	143420	196607	196608	196608	
	shmpages	33	33	43008	43008	0
	dummy	0	0	0	0	0
	numproc	58	138	480	480	0
0	physpages	166777	182616	0	2147483647	
0	vmguarpages	0	0	67584	2147483647	
0	oomguarpages	65977	72199	52224	2147483647	
	numtcpsock	13	232	720	720	0
	numflock	10	37	376	412	0
	numpty	0	0	32	32	0
	numsignifo	0	27	512	512	0
0	tcpsndbuf	226720	2534216	3440640	5406720	
0	tcprcvbuf	212992	1238328	3440640	5406720	
0	othersockbuf	289000	554968	2252160	4194304	
0	dgramrcvbuf	0	68664	524288	524288	
0	numothersock	181	270	720	720	0
0	dcachesize	7209418	7249920	6819840	7249920	
	numfile	939	1575	18624	18624	0

	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	14	14	256	256	0
102:	kmemsize	12742006	14213120	22111846	22754098	
0						
	lockedpages	0	0	512	512	0
	privvmpages	83075	93863	131072	131072	
0						
	shmpages	16	352	43008	43008	0
	dummy	0	0	0	0	0
	numproc	49	81	480	480	0
	physpages	61660	70923	0	2147483647	
0						
0	vmguarpages	0	0	67584	2147483647	
0	oomguarpages	23980	27736	52224	2147483647	
0						
	numtcpsock	11	16	720	720	0
	numflock	10	14	376	412	0
	numpty	0	0	32	32	0
	numsignfo	0	27	512	512	0
	tcpsndbuf	191840	279040	3440640	5406720	
0						
0	tcprcvbuf	180224	262144	3440640	5406720	
0						
0	othersockbuf	228888	257376	2252160	4194304	
	dgramrcvbuf	0	1288	524288	524288	0
	numothersock	161	176	720	720	0
	dcachesize	7243715	7249920	6819840	7249920	
0						
	numfile	831	975	18624	18624	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	14	14	256	256	0
101:	kmemsize	12557535	14282752	22111846	22754098	
0						
	lockedpages	0	0	512	512	0
	privvmpages	82292	92249	131072	131072	
0						
	shmpages	30	30	43008	43008	0
	dummy	0	0	0	0	0
	numproc	46	78	480	480	0
	physpages	106265	114220	0	2147483647	
0						
	vmguarpages	0	0	67584	2147483647	

0	oomguarpages	42309	43959	52224	2147483647
0	numtcpsock	11	17	720	720 0
	numflock	6	10	376	412 0
	numpty	0	1	32	32 0
	numsiginfo	0	24	512	512 0
	tcpsndbuf	191840	502192	3440640	5406720
0	tcprcvbuf	180224	424520	3440640	5406720
0	othersockbuf	231200	521824	2252160	4194304
0	dgramrcvbuf	0	3600	524288	524288 0
	numothersock	160	182	720	720 0
	dcachesize	7238826	7249920	6819840	7249920
0	numfile	864	1090	18624	18624 0
	dummy	0	0	0	0 0
	dummy	0	0	0	0 0
	dummy	0	0	0	0 0
	numiptent	14	14	256	256 0
0:	kmemsize	96190337	97484800	9223372036854775807	
9223372036854775807	lockedpages	0	0	9223372036854775807	
9223372036854775807	privvmpages	106595	141657	9223372036854775807	
9223372036854775807	shmpages	1490	2146	9223372036854775807	
9223372036854775807	dummy	0	0	9223372036854775807	9223372036854775807
0	numproc	243	271	9223372036854775807	
9223372036854775807	physpages	912307	918880	9223372036854775807	
9223372036854775807	vmguarpages	0	0	0	0 0
	oomguarpages	78491	84388	0	0 0
	numtcpsock	34	37	9223372036854775807	
9223372036854775807	numflock	2	12	9223372036854775807	9223372036854775807
0	numpty	1	3	9223372036854775807	9223372036854775807
0	numsiginfo	0	120	9223372036854775807	
9223372036854775807	tcpsndbuf	808144	860464	9223372036854775807	
9223372036854775807		0			

tcpvbuf	680128	729280	9223372036854775807
9223372036854775807	0		
othersockbuf	161840	187720	9223372036854775807
9223372036854775807	0		
dgramrcvbuf	0	3864	9223372036854775807
9223372036854775807	0		
numothersock	137	148	9223372036854775807
9223372036854775807	0		
dcachesize	81483640	81548012	9223372036854775807
9223372036854775807	0		
numfile	937	1095	9223372036854775807
9223372036854775807	0		
dummy	0	0	9223372036854775807 9223372036854775807
0			
dummy	0	0	9223372036854775807 9223372036854775807
0			
dummy	0	0	9223372036854775807 9223372036854775807
0			
numiptent	115	115	9223372036854775807
9223372036854775807	0		

What could it be?

Subject: Re: Abnormal memory centos EL6 64
 Posted by [Nitrox](#) on Thu, 29 Mar 2012 08:31:32 GMT
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All the containers believed to have 4100GB of ram and measure 0 in use...

The machine that virtualizes no signs of problems.

The filesystem does not seem damaged, libraries may be corrupt?

What checks can I do?
