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Subject: Dcachesize increases up to the limit constantly

Posted by javix on Wed, 27 Feb 2013 23:38:16 GMT

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Hi,

I have several containers running fine on CentOS 5.

Now I have migrated them to a new machine running CentOS6 with kernel 2.6.32-042stab072.10

In the new host most (not all) the containers suddenly have dcachesize increased up to the limit with no apparent cause.

Inodes and disk quotas are fine.

If I use vzcfgvalidate it asks me to increase dcachesize by 10 times, but if I do that right after rebooting the CT it reaches limit again.

In one of them numpty increases automatically to the limit, too.

Any idea of what may be causing this?

The containers run smoothly, everything works but I have this strange behaviour.

Do you see something strange on this beancounters?

Thanks!

```
cat /proc/user_beancounters
```

```
Version: 2.5
```

```
uid resource      held      maxheld   barrier   limit     failcnt
201: kmemsize     20443405  29917184  65000000 72000000
0
  lockedpages      0         0         2048      2048      0
  privvmpages     216941   413635   1005568   1005568
0
  shmpages        658      674      21504     21504     0
  dummy           0         0         0         0         0
  numproc         73       102      240       240       0
  physpages      129775   234958   0 9223372036854775807
0
  vmguarpages     0         0         33792 9223372036854775807
0
  oomguarpages   113824   207934   26112 9223372036854775807
0
  numtcpsock      16       33       200       200       0
  numflock        6         7        188       206       0
  numpty          1         15       16        16        0
  numsiginfo      0         15       256       256       0
  tcpsndbuf      279040   497568   2400000   3000000
0
```

0	tcprcvbuf	262144	516888	4000000	8000000	
0	othersockbuf	38528	597288	2000000	3000000	
0	dgramrcvbuf	0	6672	262144	262144	0
	numothersock	69	89	360	360	0
0	dcachesize	8498558	8500000	8000000	8500000	
	numfile	569	680	9312	9312	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	24	24	128	128	0
114:	kmemsize	66902606	88211456	120000000	135000000	
0	lockedpages	0	0	2048	2048	0
0	privvmpages	392439	556045	1005568	1005568	
0	shmpages	144	816	21504	21504	0
	dummy	0	0	0	0	0
	numproc	124	231	960	960	0
0	physpages	428222	660762	0	9223372036854775807	
0	vmguarpages	0	0	33792	9223372036854775807	
0	oomguarpages	215446	301808	26112	9223372036854775807	
	numtcpsock	61	95	400	400	0
	numflock	25	32	188	206	0
	numpty	0	0	16	16	0
	numsignifo	0	15	512	512	0
0	tcpsndbuf	1075368	1516056	9000000	11000000	
0	tcprcvbuf	533136	638376	4000000	8000000	
0	othersockbuf	369496	1077368	4000000	8000000	
0	dgramrcvbuf	0	42872	262144	262144	
0	numothersock	282	447	1500	1500	0
0	dcachesize	44912426	45000000	40000000	45000000	
	numfile	1586	2155	100000	100000	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	47	47	128	128	0
112:	kmemsize	36274924	46981120	90000000	95000000	

0						
	lockedpages	0	0	2048	2048	0
	privvmpages	372634	420674	1005568	1005568	
0						
	shmpages	144	480	21504	21504	0
	dummy	0	0	0	0	0
	numproc	107	177	480	480	0
	physpages	227179	269240	0	9223372036854775807	
0						
	vmguarpages	0	0	33792	9223372036854775807	
0						
	oomguarpages	167761	191827	26112	9223372036854775807	
0						
	numtcpsock	51	70	800	800	0
	numflock	25	32	188	206	0
	numpty	0	0	16	16	0
	numsignifo	0	15	512	512	0
	tcpwndbuf	727064	1420568	6000000	9000000	
0						
	tcprcvbuf	512328	598408	4000000	8000000	
0						
	othersockbuf	349760	1134072	7000000	12000000	
0						
	dgramrcvbuf	0	6936	262144	262144	0
	numothersock	257	340	1500	1500	0
	dcachesize	17583172	17811559	38400000	40000000	
0						
	numfile	1524	1890	100000	100000	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	47	47	128	128	0
102:	kmemsize	4726224	6012928	14372700	14790164	
0						
	lockedpages	0	0	2048	2048	0
	privvmpages	39642	48613	512000	512000	
0						
	shmpages	18	18	21504	21504	0
	dummy	0	0	0	0	0
	numproc	29	57	240	240	0
	physpages	46425	67825	0	9223372036854775807	
0						
	vmguarpages	0	0	33792	9223372036854775807	
0						
	oomguarpages	12938	12938	26112	9223372036854775807	
0						
	numtcpsock	9	31	360	360	0
	numflock	5	7	188	206	0

	numpty	0	1	16	16	0
	numsiginfo	0	18	256	256	0
0	tcpsndbuf	156960	1438800	2000000	3000000	
0	tcprcvbuf	147456	225376	1720320	2703360	
0	othersockbuf	9248	276984	1126080	2097152	
	dgramrcvbuf	0	4360	262144	262144	0
	numothersock	26	32	360	360	0
0	dcachesize	2089512	2133368	3409920	3624960	
	numfile	332	510	9312	9312	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	24	24	128	128	0
101:	kmemsize	72663945	101912576	120000000	135000000	
0	lockedpages	0	7	2048	2048	0
0	privvmpages	456984	602656	1006336	1006336	
0	shmpages	1513	3449	21504	21504	
	dummy	0	0	0	0	0
	numproc	203	357	800	800	0
0	physpages	2672470	2867392	0	9223372036854775807	
0	vmguarpages	0	0	33792	9223372036854775807	
0	oomguarpages	237175	278643	26112	9223372036854775807	
	numtcpsock	92	159	1000	1000	0
	numflock	35	62	300	330	0
	numpty	0	1	16	16	0
	numsiginfo	0	15	512	512	0
0	tcpsndbuf	1707208	3511960	14000000	18000000	
0	tcprcvbuf	1085432	6927568	9000000	14000000	
0	othersockbuf	493968	1075392	6000000	12000000	
0	dgramrcvbuf	0	225656	390000	390000	
	numothersock	383	621	2000	2000	0
0	dcachesize	39985735	40000000	38400000	40000000	
	numfile	2969	4735	100000	100000	0

dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	47	47	128	128	0
103: kmemsize	8917740	12472320	18000000	20000000	
0					
lockedpages	0	0	2048	2048	0
privvmpages	63417	74127	512000	512000	
0					
shmpages	144	144	21504	21504	0
dummy	0	0	0	0	0
numproc	29	48	240	240	0
physpages	52948	66199	0	9223372036854775807	
0					
vmguarpages	0	0	33792	9223372036854775807	
0					
oomguarpages	25781	29696	26112	9223372036854775807	
0					
numtcpsock	11	22	360	360	0
numflock	5	7	188	206	0
numpty	0	0	16	16	0
numsiginfo	0	12	256	256	0
tcpsndbuf	200560	532712	1720320	2703360	
0					
tcprcvbuf	180224	230432	1720320	2703360	
0					
othersockbuf	9248	28968	1536000	3145728	
0					
dgramrcvbuf	0	2312	262144	262144	0
numothersock	26	34	360	360	0
dcachesize	3594214	3624960	3409920	3624960	
0					
numfile	363	490	9312	9312	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	24	24	128	128	0
0: kmemsize	49047147	57241600	9223372036854775807		
9223372036854775807	0				
lockedpages	0	3589	9223372036854775807		
9223372036854775807	0				
privvmpages	89704	129144	9223372036854775807		
9223372036854775807	0				
shmpages	2215	2231	9223372036854775807		
9223372036854775807	0				
dummy	0	0	9223372036854775807	9223372036854775807	
0					
numproc	152	211	9223372036854775807		

```

9223372036854775807      0
    physpages      100317      124171 9223372036854775807
9223372036854775807      0
    vmguarpages      0      0      0      0      0
    oomguarpages      44742      50593 9223372036854775807
9223372036854775807      0
    numtcpsock      26      59 9223372036854775807
9223372036854775807      0
    numflock      4      10 9223372036854775807 9223372036854775807
    0
    numpty      2      4 9223372036854775807 9223372036854775807
    0
    numsiginfo      0      132 9223372036854775807
9223372036854775807      0
    tcpsndbuf      465496      1337128 9223372036854775807
9223372036854775807      0
    tcprcvbuf      459280      989448 9223372036854775807
9223372036854775807      0
    othersockbuf      151304      314160 9223372036854775807
9223372036854775807      0
    dgramrcvbuf      0      26160 9223372036854775807
9223372036854775807      0
    numothersock      122      161 9223372036854775807
9223372036854775807      0
    dcachesize      39518466      42917366 9223372036854775807
9223372036854775807      0
    numfile      804      1260 9223372036854775807
9223372036854775807      0
    dummy      0      0 9223372036854775807 9223372036854775807
    0
    dummy      0      0 9223372036854775807 9223372036854775807
    0
    dummy      0      0 9223372036854775807 9223372036854775807
    0
    numiptent      161      161 9223372036854775807
9223372036854775807      0

```

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Subject: Re: Dcachesize increases up to the limit constantly

Posted by [vzu45692](#) on Fri, 05 Apr 2013 18:44:54 GMT

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I have the same problem with 'dcachesize'. My kernel version is 042stab075. I've read that some time ago there was a bug in the kernel version and there was some leaking related, but I suppose i was fixed

any suggestions?

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Subject: Re: Dcachesize increases up to the limit constantly  
Posted by [Hafensaenger](#) on Mon, 22 Jul 2013 14:25:57 GMT  
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We use Kernel 2.6.32-042stab076.5 and have the same problems.  
dcachesize increases permantely.

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