Subject: strange Problem dcachesize
Posted by disaster on Wed, 18 Jun 2008 07:10:11 GMT
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Hello!

dcachesize fails even if the barrier and the limit are high enough. Kernel ist the latest .014 2.6.18

cat /proc/user_beancounters
Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
111:	kmemsize	9504239	21956407	107374182	108422758	0
	lockedpages	0	4	32	32	0
	privvmpages	256334	1310798	4194304	4194304	0
	shmpages	8577	45441	131072	131072	0
	dummy	0	0	0	0	0
	numproc	96	180	180	190	0
	physpages	63900	1043818	0	524288	0
	vmguarpages	0	0	524288	524288	0
	oomguarpages	63900	1043818	524288	524288	0
	numtcpsock	33	106	290	290	0
	numflock	8	25	100	110	0
	numpty	1	3	16	16	0
	numsiginfo	0	134	256	256	0
	tcpsndbuf	33024	526336	524288	576716	13802
	tcprcvbuf	272384	737280	2097152	4194304	0
	othersockbuf	46080	388096	1048576	1048576	0
	dgramrcvbuf	0	58880	132096	132096	0
	numothersock	29	105	180	190	0
	dcachesize	918342	1809453	16777216	17563648	52092319
	numfile	2489	8100	16384	16384	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0
	numiptent	13	13	4000	4000	0

df -h
Filesystem Size Used Avail Use% Mounted on

```
/dev/simfs            74G  9.0G   66G  13% /
tmpfs                7.9G     0  7.9G   0% /lib/init/rw
tmpfs                7.9G     0  7.9G   0% /dev/shm
simfs                 74G  9.0G   66G  13% /home/tmp
simfs                 74G  9.0G   66G  13% /home/var/tmp

df -i
Filesystem           Inodes   IUsed   IFree IUse% Mounted on
/dev/simfs          1000000  228770  771230   23% /
tmpfs               2050797       2 2050795    1% /lib/init/rw
tmpfs               2050797       1 2050796    1% /dev/shm
simfs               1000000  228770  771230   23% /home/tmp
simfs               1000000  228770  771230   23% /home/var/tmp
```

on the HN i also received:

```
[935248.026901] VFS: Busy inodes after unmount. sb = ffff8101e1658000, fs type = devpts, sb
count = 1, sb->s_root =
[935248.026961] inode = ffff810263f7eac8, inode->i_count = 1, inode->i_nlink = 1, inode->i_mode
= 8592, inode->i_state = 0, inode->i_flags = 0, inode->i_devices.next = ffff810263f7eca8,
inode->i_devices.prev = ffff810263f7eca8, inode->i_ino = 2
[935248.027063] inode dump: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 b8 24 2c 2f 04
81 ff ff 60 d7 96 b3 01 81 ff ff 68 a5 e9 88 02 81 ff ff c0 80 65 e1 01 81 ff ff f8 ea f7 63 02 81 ff ff f8
ea f7 63 02 81 ff ff 02 00 00 00 00 00 00 00 01 00 00 00 90 21 00 00 01 00 00 00 00 00 00 00 05
00 00 00 00 00 80 08 00 00 00 00 00 00 00 00 82 b6 57 48 00 00 00 00 68 ec 6b 35 00 00 00 00
82 b6 57 48 00 00 00 00 68 ec 6b 35 00 00 00 00 82 b6 57 48 00 00 00 00 68 ec 6b 35 00 00 00
00 0a 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00
00 00 01 00 00 00 01 00 00 00 88 eb f7 63 02 81 ff ff 88 eb f7 63 02 81 ff ff 00 00 00 00 01 00 00
00 a0 eb f7 63 02 81 ff ff a0 eb f7 63 02 81 ff ff 80 2a 42 80 ff ff ff ff a0 77 28 80 ff ff ff ff 00 80 65
e1 01 81 ff ff 00 00 00 00 00 00 00 00 d8 eb f7 63 02 81 ff ff c8 ea f7 63 02 81 ff ff 00 00 00 00 20
02 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 00 00 00 00 00 00 00 00 00 00 01 00 01 00
00 00 00 00 08 ec f7 63 02 81 ff ff 08 ec f7 63 02 81 ff ff 01 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 40 2b 42 80 ff ff ff ff d2 00 02 00 00 00 00 00 60 72 2f 80 ff ff ff
ff 01 00 00 00 00 00 00 00 50 ec f7 63 02 81 ff ff 50 ec f7 63 02 81 ff ff 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 a8 ec f7 63 02 81 ff ff a8 ec f7 63 02 81 ff ff 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 d8 ec f7 63 02 81 ff ff d8 ec f7 63 02 81 ff ff
01 00 00 00 01 00 00 00 f0 ec f7 63 02 81 ff ff f0 ec f7 63 02 81 ff ff 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 d8 15 91 03 81 ff ff
[935248.029805] inode = ffff810288e9a548, inode->i_count = 1, inode->i_nlink = 1,
inode->i_mode = 8592, inode->i_state = 0, inode->i_flags = 0, inode->i_devices.next =
ffff810288e9a728, inode->i_devices.prev = ffff810288e9a728, inode->i_ino = 2
[935248.029910] inode dump: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 d8 90 56 1c 00
81 ff ff 60 6d 3a fe 03 81 ff ff c0 80 65 e1 01 81 ff ff e8 ea f7 63 02 81 ff ff 78 a5 e9 88 02 81 ff ff
78 a5 e9 88 02 81 ff ff 02 00 00 00 00 00 00 00 01 00 00 00 90 21 00 00 01 00 00 00 00 00 00 00
```

05 00 00 00 00 00 80 08 00 00 00 00 00 00 00 00 e3 b5 57 48 00 00 00 00 d0 63 7f 3a 00 00 00
00 e3 b5 57 48 00 00 00 00 d0 63 7f 3a 00 00 00 00 e3 b5 57 48 00 00 00 00 d0 63 7f 3a 00 00
00 00 0a 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 01
00 00 00 01 00 00 00 01 00 00 00 08 a6 e9 88 02 81 ff ff 08 a6 e9 88 02 81 ff ff 00 00 00 00 01 00
00 00 20 a6 e9 88 02 81 ff ff 20 a6 e9 88 02 81 ff ff 80 2a 42 80 ff ff ff ff a0 77 28 80 ff ff ff ff 00 80
65 e1 01 81 ff ff 00 00 00 00 00 00 00 00 58 a6 e9 88 02 81 ff ff 48 a5 e9 88 02 81 ff ff 00 00 00
00 20 02 00 00 00 00 00 00 00 00 00 00 00 00 01 00 00 00 00 00 00 00 00 00 00 00 01 00
01 00 00 00 00 00 88 a6 e9 88 02 81 ff ff 88 a6 e9 88 02 81 ff ff 01 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 40 2b 42 80 ff ff ff ff d2 00 02 00 00 00 00 00 60 72 2f 80
ff ff ff ff 01 00 00 00 00 00 00 00 d0 a6 e9 88 02 81 ff ff d0 a6 e9 88 02 81 ff ff 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 28 a7 e9 88 02 81 ff ff 28 a7 e9 88 02 81 ff ff 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 58 a7 e9 88 02 81 ff ff 58 a7 e9 88 02
81 ff ff 01 00 00 00 01 00 00 00 70 a7 e9 88 02 81 ff ff 70 a7 e9 88 02 81 ff ff 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 c0 02 6f 03
81 ff ff
[935248.032091] VFS: Busy inodes after unmount of devpts. Self-destruct in 5 seconds. Have a nice day...

Subject: Re: strange Problem dcachesize
Posted by den on Mon, 07 Jul 2008 08:37:18 GMT
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The most important thing for me here is the following:
- do you have dcache size constantly increasing or not?

In the latter case you container traverses a lot of path and the usage of it can be arbitrary high. This is not the problem from the kernel point of view. Though if the usage is constantly increased and never decreased then we'll have a leak.

As for the "busy inodes after umount"... This is a weird problem Is it reproducible?
