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Subject: Fsk needed after out of memory  
Posted by [andre](#) on Mon, 30 Sep 2019 15:13:47 GMT  
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Hello,

We are seeing lot of cases where fsck is needed after out of memory situations (different hardwares/ves/etc)

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Sep 30 10:18:34 kernel: EXT4-fs error (device ploop43739p1) in ext4_free_blocks:4879: Out of
memory
Sep 30 10:18:34 kernel: Aborting journal on device ploop43739p1-8.
Sep 30 10:18:34 kernel: EXT4-fs (ploop43739p1): Remounting filesystem read-only
Sep 30 10:18:34 kernel: EXT4-fs error (device ploop43739p1) in ext4_reserve_inode_write:5354:
Journal has aborted
Sep 30 10:18:34 kernel: EXT4-fs error (device ploop43739p1) in ext4_reserve_inode_write:5354:
Journal has aborted
Sep 30 10:18:34 kernel: EXT4-fs error (device ploop43739p1) in ext4_ext_remove_space:3060:
Journal has aborted
Sep 30 10:18:35 kernel: EXT4-fs error (device ploop43739p1) in ext4_ext_truncate:4698: Journal
has aborted
Sep 30 10:18:35 kernel: EXT4-fs error (device ploop43739p1) in ext4_reserve_inode_write:5354:
Journal has aborted
Sep 30 10:18:35 kernel: EXT4-fs error (device ploop43739p1) in ext4_truncate:4139: Journal has
aborted
Sep 30 10:18:35 kernel: EXT4-fs error (device ploop43739p1) in ext4_reserve_inode_write:5354:
Journal has aborted
Sep 30 10:18:35 kernel: httpd invoked oom-killer: gfp_mask=0xd0, order=0, oom_score_adj=0
Sep 30 10:18:35 kernel: httpd cpuset=3657 mems_allowed=0
Sep 30 10:18:35 kernel: CPU: 1 PID: 828588 Comm: httpd ve: 3657 Kdump: loaded Not tainted
3.10.0-957.12.2.vz7.96.21 #1 96.21
Sep 30 10:18:35 kernel: Hardware name: Supermicro X9SCL/X9SCM/X9SCL/X9SCM, BIOS 2.0b
09/17/2012
Sep 30 10:18:35 kernel: Call Trace:
Sep 30 10:18:35 kernel: [<ffffffff8b594677>] dump_stack+0x19/0x1b
Sep 30 10:18:35 kernel: [<ffffffff8b58ef52>] dump_header+0x90/0x229
Sep 30 10:18:35 kernel: [<ffffffff8afcdcf8>] oom_kill_process+0x5e8/0x640
Sep 30 10:18:35 kernel: [<ffffffff8aff82ce>] ? get_task_oom_score_adj+0xee/0x100
Sep 30 10:18:35 kernel: [<ffffffff8b0514e9>] mem_cgroup_oom_synchronize+0x4a9/0x500
Sep 30 10:18:35 kernel: [<ffffffff8afce2a3>] pagefault_out_of_memory+0x13/0x50
Sep 30 10:18:35 kernel: [<ffffffff8b58d027>] mm_fault_error+0x6a/0x157
Sep 30 10:18:35 kernel: [<ffffffff8b5a28a8>] __do_page_fault+0x3c8/0x4f0
Sep 30 10:18:35 kernel: [<ffffffff8b5a2a05>] do_page_fault+0x35/0x90
Sep 30 10:18:35 kernel: [<ffffffff8b59e768>] page_fault+0x28/0x30
Sep 30 10:18:35 kernel: Task in /machine.slice/3657 killed as a result of limit of
```

/machine.slice/3657

Sep 30 10:18:35 kernel: memory: usage 2097056kB, limit 2097152kB, failcnt 45598816  
Sep 30 10:18:35 kernel: memory+swap: usage 2621444kB, limit 2621440kB, failcnt 13806662  
Sep 30 10:18:35 kernel: kmem: usage 407384kB, limit 9007199254740988kB, failcnt 0  
Sep 30 10:18:35 kernel: Memory cgroup stats for /machine.slice/3657: rss\_huge:0KB  
mapped\_file:338136KB shmem:406204KB slab\_unreclaimable:13824KB swap:524388KB  
cache:406476KB rss:1283196KB slab\_reclaimable:355864KB inactive\_anon:432588KB  
active\_anon:1256812KB inactive\_file:40KB active\_file:12KB unevictable:0KB  
Sep 30 10:18:35 kernel: Memory cgroup out of memory: Kill process 828656 (clamd) score 283 or  
sacrifice child  
Sep 30 10:18:35 kernel: Killed process 794108 (clamd) in VE "3657" total-vm:1032160kB,  
anon-rss:628748kB, file-rss:0kB, shmem-rss:0kB  
Sep 30 10:18:35 kernel: rsyslogd invoked oom-killer: gfp\_mask=0xd0, order=0, oom\_score\_adj=0  
Sep 30 10:18:35 kernel: rsyslogd cpuset=3657 mems\_allowed=0  
Sep 30 10:18:35 kernel: CPU: 1 PID: 72938 Comm: rsyslogd ve: 3657 Kdump: loaded Not tainted  
3.10.0-957.12.2.vz7.96.21 #1 96.21  
Sep 30 10:18:35 kernel: Hardware name: Supermicro X9SCL/X9SCM/X9SCL/X9SCM, BIOS 2.0b  
09/17/2012  
Sep 30 10:18:35 kernel: Call Trace:  
Sep 30 10:18:35 kernel: [<ffffffff8b594677>] dump\_stack+0x19/0x1b  
Sep 30 10:18:35 kernel: [<ffffffff8b58ef52>] dump\_header+0x90/0x229  
Sep 30 10:18:35 kernel: [<ffffffff8afcfcf8>] oom\_kill\_process+0x5e8/0x640  
Sep 30 10:18:35 kernel: [<ffffffff8aff82ce>] ? get\_task\_oom\_score\_adj+0xee/0x100  
Sep 30 10:18:35 kernel: [<ffffffff8b0514e9>] mem\_cgroup\_oom\_synchronize+0x4a9/0x500  
Sep 30 10:18:35 kernel: [<ffffffff8afce2a3>] pagefault\_out\_of\_memory+0x13/0x50  
Sep 30 10:18:35 kernel: [<ffffffff8b58d027>] mm\_fault\_error+0x6a/0x157  
Sep 30 10:18:35 kernel: [<ffffffff8b5a28a8>] \_\_do\_page\_fault+0x3c8/0x4f0  
Sep 30 10:18:35 kernel: [<ffffffff8b5a2a05>] do\_page\_fault+0x35/0x90  
Sep 30 10:18:35 kernel: [<ffffffff8b59e768>] page\_fault+0x28/0x30  
Sep 30 10:18:35 kernel: Task in /machine.slice/3657 killed as a result of limit of  
/machine.slice/3657  
Sep 30 10:18:35 kernel: memory: usage 2097056kB, limit 2097152kB, failcnt 45598831  
Sep 30 10:18:35 kernel: memory+swap: usage 2621444kB, limit 2621440kB, failcnt 13806683  
Sep 30 10:18:35 kernel: kmem: usage 407384kB, limit 9007199254740988kB, failcnt 0  
Sep 30 10:18:35 kernel: Memory cgroup stats for /machine.slice/3657: rss\_huge:0KB  
mapped\_file:338136KB shmem:406204KB slab\_unreclaimable:13824KB swap:524388KB  
cache:406476KB rss:1283196KB slab\_reclaimable:355864KB inactive\_anon:432588KB  
active\_anon:1256812KB inactive\_file:40KB active\_file:12KB unevictable:0KB  
Sep 30 10:18:35 kernel: Memory cgroup out of memory: Kill process 828656 (clamd) score 283 or  
sacrifice child  
Sep 30 10:18:35 kernel: Killed process 828656 (clamd) in VE "3657" total-vm:1032160kB,  
anon-rss:628756kB, file-rss:120kB, shmem-rss:0kB  
Sep 30 10:18:35 kernel: EXT4-fs error (device ploop43739p1) in ext4\_orphan\_del:2723: Journal  
has aborted  
Sep 30 10:18:35 kernel: EXT4-fs error (device ploop43739p1) in ext4\_reserve\_inode\_write:5354:  
Journal has aborted

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After that, VE will only mount with an fsck.

Looks like a bug.

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Subject: Re: Fsck needed after out of memory  
Posted by [vaverin](#) on Wed, 02 Oct 2019 06:14:54 GMT  
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Dear andre,  
thank you for reporting the problem,  
but it's better to submit bug into bugs.openvz.org

I've submitted it as  
<https://bugs.openvz.org/browse/OVZ-7135>

I would like to clarify: do you have any ext4 messages right before  
Sep 30 10:18:34 kernel: EXT4-fs error (device ploop43739p1) in ext4\_free\_blocks:4879: Out of  
memory

?

Thank you,  
Vasily Averin

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Subject: Re: Fsck needed after out of memory  
Posted by [andre](#) on Mon, 07 Oct 2019 00:13:16 GMT  
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Thanks for opening the bug report.

I have just browsed the logs and couldn't find any ext4 message before the "EXT4-fs error in  
ext4\_free\_blocks:4879: Out of memory". There are just out of memory messages before this line.