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Subject: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops  
Posted by [Martin Trtusek](#) on Wed, 10 Oct 2007 05:54:11 GMT  
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I installed kernel 2.6.18-openvz-13-39.1d1-amd64 from <http://download.openvz.org/debian> on Debian Etch one week ago and experienced kernel oops (complete freezing, off/on necessary) after 2-3 days of running (3 times). Oops is always after cron.daily scripts (in my case 06:25) but not everyday. Yesterday I configured netconsole for capturing useful info, enclosed.

Hardware was tested very strong on installation. With stock Debian kernel (initrd.img-2.6.18-5-amd64) server does not have any problem (3 months of operation). There are 3 VPS running, without really using.

Enclosed last entry in syslog (before crash). Looks like problem is invoking by /usr/share/vzctl/scripts/vpsnetclean or /usr/share/vzctl/scripts/vpsreboot. Both scripts are from vzctl package, I installed it from <http://debian.systs.org/>

```
# vzctl --version
vzctl version 3.0.18-1ds01
```

I am leaving office now, additional info (if necessary) I can send tomorrow.

Martin Trtusek

```
netconsole: network logging started
Warning: /proc/ide/hd?/settings interface is obsolete, and will be removed soon!
st: Version 20050830, fixed bufsize 32768, s/g segs 256
sd 0:0:0:0: Attached scsi generic sg0 type 0
sd 0:0:1:0: Attached scsi generic sg1 type 0
sd 1:0:0:0: Attached scsi generic sg2 type 0
sd 1:0:1:0: Attached scsi generic sg3 type 0
BIOS EDD facility v0.16 2004-Jun-25, 4 devices found
----- [cut here] ----- [please bite here] -----
Kernel BUG at kernel/sched.c:3798
invalid opcode: 0000 [1] SMP
CPU: 0
Modules linked in: edd joydev sg st sr_mod netconsole vzethdev vznetdev simfs vzrst vzcpt
vzdquota vzmon vzdev button ac battery ip6table_filter ip6_tables iptable_raw xt_policy
xt_multiport ipt_ULOG ipt_TTL ipt_ttl ipt_TOS ipt_tos ipt_TCPMSS ipt_SAME ipt_REJECT
ipt_REDIRECT ipt_recent ipt_owner ipt_NETMAP ipt_MASQUERADE ipt_LOG ipt_iprange
ipt_hashlimit ipt_ECN ipt_ecn ipt_DSCP ipt_dscp ipt_CLUSTERIP ipt_ah ipt_addrtype ip_nat_tftp
ip_nat_snmp_basic ip_nat_pptp ip_nat_irc ip_nat_ftp ip_nat_amanda ip_conntrack_tftp
ip_conntrack_pptp ip_conntrack_netbios_ns ip_conntrack_irc ip_conntrack_ftp ts_kmp
ip_conntrack_amanda xt_tcpmss xt_pkttype xt_physdev bridge xt_NFQUEUE xt_MARK xt_mark
```

xt\_mac xt\_limit xt\_length xt\_helper xt\_dccp xt\_contrack xt\_CONNMARK xt\_connmark  
xt\_CLASSIFY xt\_tcpudp xt\_state iptable\_nat ip\_nat ip\_contrack iptable\_mangle nfnetlink  
iptable\_filter ip\_tables x\_tables ipv6 dummy aes\_x86\_64 sha512 sha256 loop evdev psmouse  
i2c\_i801 shpchp pci\_hotplug serio\_raw i2c\_core pcspkr floppy ext3 jbd mbcache raid10  
ide\_generic sd\_mod ide\_cd cdrom ata\_piix libata generic piix ide\_core ehci\_hcd e1000 uhci\_hcd  
thermal processor fan cciss scsi\_mod dm\_snapshot dm\_mirror dm\_crypt dm\_mod raid456 xor  
raid1 md\_mod

Pid: 0, comm: swapper Not tainted 2.6.18-openvz-13-39.1d1-amd64 #1

RIP: 0060:[<ffffff8027fd35>] [<ffffff8027fd35>] rebalance\_tick+0x391/0x57a

RSP: 0068:ffffff804c4b18 EFLAGS: 00010046

RAX: fffffff804e1980 RBX: fffffff804e1980 RCX: 0000000000000020

RDX: 0000000000000020 RSI: fffffff804e17d0 RDI: 0000000000000001

RBP: fffffff804c4bb8 R08: fffffff804c4b68 R09: fffffff804c4b68

R10: 0000000000000000 R11: 0000000000000002 R12: ffff810001020340

R13: ffff81011b0c2000 R14: ffff81011b0c2000 R15: fffffff804e2c80

FS: 0000000000000000(0000) GS:ffffff80526000(0000) knlGS:0000000000000000

CS: 0060 DS: 0068 ES: 0068 CR0: 000000008005003b

CR2: 0000000000a10048 CR3: 000000010196d000 CR4: 000000000000006e0

Process swapper (pid: 0, veid=0, threadinfo fffffff80534000, task fffffff80449be0)

Stack: 0000000000000002 ffff810101161240 0000000000000000 fffffff804e2c80

0000000202555ed8 ffff81011b0c2000 fffffff8027b532 0000000000000001

0000000000000003 0000000000000082 00000000ffffff 000047783a3fde8a

Call Trace:

<IRQ> [<ffffff8027b532>] vcpu\_attach+0x7e/0xc3

[<ffffff8028a68f>] update\_process\_times+0x5c/0x68

[<ffffff8026c8e1>] smp\_local\_timer\_interrupt+0x23/0x47

[<ffffff8026ce7f>] smp\_apic\_timer\_interrupt+0x99/0x9f

[<ffffff8025bdda>] apic\_timer\_interrupt+0x66/0x6c

[<ffffff8024e78d>] bio\_fs\_destructor+0x0/0xc

[<ffffff88124830>] :libata:ata\_scsi\_rw\_xlat+0x0/0x37e

[<ffffff8022d780>] mempool\_free+0x10/0x74

[<ffffff8023f729>] bio\_free+0x33/0x43

[<ffffff8023f176>] end\_bio\_bh\_io\_sync+0x37/0x3b

[<ffffff88042255>] :dm\_mod:dec\_pending+0xab/0xce

[<ffffff88042392>] :dm\_mod:clone\_endio+0x7f/0x9b

[<ffffff88162aa6>] :raid10:raid\_end\_bio\_io+0x2c/0x80

[<ffffff881645b2>] :raid10:raid10\_end\_read\_request+0x66/0xe9

[<ffffff803010b1>] elv\_next\_request+0x141/0x151

[<ffffff8022b938>] \_\_end\_that\_request\_first+0x153/0x49e

[<ffffff803117ce>] swiotlb\_unmap\_sg+0x9c/0xed

[<ffffff8806b597>] :scsi\_mod:scsi\_delete\_timer+0x12/0x59

[<ffffff8806cbf9>] :scsi\_mod:scsi\_end\_request+0x27/0xcb

[<ffffff8806cdf3>] :scsi\_mod:scsi\_io\_completion+0x156/0x334

[<ffffff881203fd>] :libata:ata\_hsm\_move+0x642/0x661

[<ffffff881584a3>] :sd\_mod:sd\_rw\_intr+0x217/0x244

[<ffffff8806d091>] :scsi\_mod:scsi\_device\_unbusy+0x67/0x81

[<ffffff80236488>] blk\_done\_softirq+0x5f/0x6d

[<ffffff8021030f>] \_\_do\_softirq+0x98/0x138

```
[<ffffff8025c43c>] call_softirq+0x1c/0x28
[<ffffff802661c3>] do_softirq+0x2c/0x7d
[<ffffff802662d6>] do_IRQ+0xc2/0xcb
[<ffffff80255128>] mwait_idle+0x0/0x4a
[<ffffff8025b761>] ret_from_intr+0x0/0xa
<EOI> [<ffffff8025515e>] mwait_idle+0x36/0x4a
[<ffffff8024703e>] cpu_idle+0x60/0x7f
[<ffffff8053e7be>] start_kernel+0x23b/0x240
[<ffffff8053e288>] _sinittext+0x288/0x28c
```

Code: 0f 0b 68 df 6e 40 80 c2 d6 0e 4c 39 eb 48 89 5d 88 0f 84 57

RIP [<ffffff8027fd35>] rebalance\_tick+0x391/0x57a

RSP <ffffff804c4b18>

Kernel panic - not syncing: Aiee, killing interrupt handler!

Oct 10 06:15:01 vochomurka /USR/SBIN/CRON[14743]: (root) CMD (if [ -x /etc/munin/plugins/apt\_all ]; then /etc/munin/plugins/apt\_all update 7200 12 >/dev/null; elif [ -x /etc/munin/plugins/apt ]; then /etc/munin/plugins/apt update 7200 12 >/dev/null; fi)

Oct 10 06:15:01 vochomurka /USR/SBIN/CRON[14745]: (munin) CMD (if [ -x /usr/bin/munin-cron ]; then /usr/bin/munin-cron; chmod -R o+r /var/www/munin; fi)

Oct 10 06:15:01 vochomurka /USR/SBIN/CRON[14747]: (root) CMD (/usr/share/vzctl/scripts/vpsreboot)

Oct 10 06:15:01 vochomurka /USR/SBIN/CRON[14749]: (root) CMD (/usr/share/vzctl/scripts/vpsnetclean)

Oct 10 06:17:01 vochomurka /USR/SBIN/CRON[16783]: (root) CMD ( cd / && run-parts --report /etc/cron.hourly)

Oct 10 06:17:10 vochomurka ntpdate[16786]: adjust time server 195.113.144.238 offset -0.007761 sec

Oct 10 06:20:01 vochomurka /USR/SBIN/CRON[16788]: (root) CMD (if [ -x /etc/munin/plugins/apt\_all ]; then /etc/munin/plugins/apt\_all update 7200 12 >/dev/null; elif [ -x /etc/munin/plugins/apt ]; then /etc/munin/plugins/apt update 7200 12 >/dev/null; fi)

Oct 10 06:20:01 vochomurka /USR/SBIN/CRON[16790]: (munin) CMD (if [ -x /usr/bin/munin-cron ]; then /usr/bin/munin-cron; chmod -R o+r /var/www/munin; fi)

Oct 10 06:20:01 vochomurka /USR/SBIN/CRON[16792]: (root) CMD (/usr/share/vzctl/scripts/vpsreboot)

Oct 10 06:20:01 vochomurka /USR/SBIN/CRON[16794]: (root) CMD (/usr/share/vzctl/scripts/vpsnetclean)

Oct 10 06:25:01 vochomurka /USR/SBIN/CRON[18831]: (root) CMD (test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.daily ))

Oct 10 06:25:01 vochomurka /USR/SBIN/CRON[18833]: (root) CMD (if [ -x /etc/munin/plugins/apt\_all ]; then /etc/munin/plugins/apt\_all update 7200 12 >/dev/null; elif [ -x /etc/munin/plugins/apt ]; then /etc/munin/plugins/apt update 7200 12 >/dev/null; fi)

Oct 10 06:25:01 vochomurka /USR/SBIN/CRON[18839]: (munin) CMD (if [ -x /usr/bin/munin-cron ]; then /usr/bin/munin-cron; chmod -R o+r /var/www/munin; fi)

Oct 10 06:25:01 vochomurka /USR/SBIN/CRON[18840]: (root) CMD  
(/usr/share/vzctl/scripts/vpsreboot)  
Oct 10 06:25:01 vochomurka /USR/SBIN/CRON[18842]: (root) CMD  
(/usr/share/vzctl/scripts/vpsnetclean)  
Oct 10 07:19:13 vochomurka syslogd 1.4.1#18: restart.

### File Attachments

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- 1) [vochomurka.oops](#), downloaded 560 times
  - 2) [vochomurka.syslog](#), downloaded 589 times
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