
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`. Booth scripts are from vzctl package, I installed it from <http://debian.systs.org/>

```
# vzctl --version  
vzctl version 3.0.18-1dso1
```

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Warning: /proc/ide/hd?/settings interface is obsolete, and will be removed soon!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:[<ffffffff8027fd35>] [<ffffffff8027fd35>] rebalance_tick+0x391/0x57a
RSP: 0068:ffffffff804c4b18 EFLAGS: 00010046
RAX: ffffffff804e1980 RBX: ffffffff804e1980 RCX: 0000000000000020
RDX: 0000000000000020 RSI: ffffffff804e17d0 RDI: 0000000000000001
RBP: ffffffff804c4bb8 R08: ffffffff804c4b68 R09: ffffffff804c4b68
R10: 0000000000000000 R11: 0000000000000002 R12: ffff810001020340
R13: ffff81011b0c2000 R14: ffff81011b0c2000 R15: ffffffff804e2c80
FS: 0000000000000000(0000) GS:ffff80526000(0000) knlGS:0000000000000000
CS: 0060 DS: 0068 ES: 0068 CR0: 000000008005003b
CR2: 000000000a10048 CR3: 000000010196d000 CR4: 000000000000006e0
Process swapper (pid: 0, veid=0, threadinfo ffffffff80534000, task ffffffff80449be0)
Stack: 0000000000000002 ffff810101161240 0000000000000000 ffffffff804e2c80
0000000202555ed8 ffff81011b0c2000 ffffffff8027b532 0000000000000001
0000000000000003 0000000000000082 00000000fffffff 000047783a3fde8a

Call Trace:

<IRQ> [<ffffffff8027b532>] vcpu_attach+0x7e/0xc3
[<ffffffff8028a68f>] update_process_times+0x5c/0x68
[<ffffffff8026c8e1>] smp_local_timer_interrupt+0x23/0x47
[<ffffffff8026ce7f>] smp_apic_timer_interrupt+0x99/0x9f
[<ffffffff8025bdda>] apic_timer_interrupt+0x66/0x6c
[<ffffffff8024e78d>] bio_fs_destructor+0x0/0xc
[<ffffffff88124830>] :libata:ata_scsi_rw_xlat+0x0/0x37e
[<ffffffff8022d780>] mempool_free+0x10/0x74
[<ffffffff8023f729>] bio_free+0x33/0x43
[<ffffffff8023f176>] end_bio_bh_io_sync+0x37/0x3b
[<ffffffff88042255>] :dm_mod:dec_pending+0xab/0xce
[<ffffffff88042392>] :dm_mod:clone_endio+0x7f/0x9b
[<ffffffff88162aa6>] :raid10:raid_end_bio_io+0x2c/0x80
[<ffffffff881645b2>] :raid10:raid10_end_read_request+0x66/0xe9
[<ffffffff803010b1>] elv_next_request+0x141/0x151
[<ffffffff8022b938>] __end_that_request_first+0x153/0x49e
[<ffffffff803117ce>] swiotlb_unmap_sg+0x9c/0xed
[<ffffffff8806b597>] :scsi_mod:scsi_delete_timer+0x12/0x59
[<ffffffff8806cbf9>] :scsi_mod:scsi_end_request+0x27/0xcb
[<ffffffff8806cdf3>] :scsi_mod:scsi_io_completion+0x156/0x334
[<ffffffff881203fd>] :libata:ata_hsm_move+0x642/0x661
[<ffffffff881584a3>] :sd_mod:sd_rw_intr+0x217/0x244
[<ffffffff8806d091>] :scsi_mod:scsi_device_unbusy+0x67/0x81
[<ffffffff80236488>] blk_done_softirq+0x5f/0x6d
[<ffffffff8021030f>] __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

- 1) [vochomurka.oops](#), downloaded 536 times
 - 2) [vochomurka.syslog](#), downloaded 565 times
-

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops
Posted by [Thorsten Schifferdeck](#) on Wed, 10 Oct 2007 10:54:10 GMT
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Hi Martin,

have you tried the new 028stab045 OpenVZ linux-kernel ?

Regards / Gruss,
Thorsten Schifferdecker

Am Mi, 10.10.2007, 05:54, schrieb Martin Trtusek:

> 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. Booth scripts are from vzctl
> package, I installed it from <http://debian.systs.org/>

>
> # vzctl --version
> vzctl version 3.0.18-1dso1

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

>
> Martin Trtusek

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops
Posted by [efball](#) on Wed, 10 Oct 2007 20:04:20 GMT
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I'm had a similar crash using the latest 686 kernel from
download.openvz.org:
linux-image-2.6.18-openvz-13-39.1d2-686_028.39.1d2_i386.deb

```
vzctl --version  
vzctl version 3.0.11
```

Two boxes are using it, one is fine, the other hung once.
All the logs had was this:

```
Oct 5 19:15:01 penguin /USR/SBIN/CRON[31518]: (root) CMD  
(/usr/share/vzctl/scripts/vpsnetclean)  
Oct 8 10:34:35 penguin syslogd 1.4.1#18: restart.
```

There was some spew on the console, but I didn't know how to capture that.

E Frank Ball efball@efball.com

On Wed, Oct 10, 2007 at 07:54:11AM +0200, Martin Trtusek wrote:

```
> 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. Booth scripts are from vzctl  
> package, I installed it from http://debian.systs.org/  
>  
> # vzctl --version  
> vzctl version 3.0.18-1dso1  
>  
> 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 vzetdev 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_conntrack xt_CONNMARK xt_connmark
xt_CLASSIFY xt_tcpudp xt_state iptable_nat ip_nat ip_conntrack iptable_mangle nfnetlink
iptables_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:[<ffffffff8027fd35>] [<ffffffff8027fd35>] rebalance_tick+0x391/0x57a
> RSP: 0068:ffffffff804c4b18 EFLAGS: 00010046
> RAX: ffffffff804e1980 RBX: ffffffff804e1980 RCX: 0000000000000020
> RDX: 0000000000000020 RSI: ffffffff804e17d0 RDI: 0000000000000001
> RBP: ffffffff804c4bb8 R08: ffffffff804c4b68 R09: ffffffff804c4b68
> R10: 0000000000000000 R11: 0000000000000002 R12: ffff810001020340
> R13: ffff81011b0c2000 R14: ffff81011b0c2000 R15: ffffffff804e2c80
> FS: 0000000000000000(0000) GS:ffff80526000(0000) knlGS:0000000000000000
> CS: 0060 DS: 0068 ES: 0068 CR0: 000000008005003b
> CR2: 000000000a10048 CR3: 000000010196d000 CR4: 000000000000006e0
> Process swapper (pid: 0, veid=0, threadinfo ffffffff80534000, task ffffffff80449be0)
> Stack: 0000000000000002 ffff810101161240 0000000000000000 ffffffff804e2c80
> 0000000202555ed8 ffff81011b0c2000 ffffffff8027b532 0000000000000001
> 0000000000000003 0000000000000082 00000000ffffffff 000047783a3fde8a
> Call Trace:
> <IRQ> [<ffffffff8027b532>] vcpu_attach+0x7e/0xc3
> [<ffffffff8028a68f>] update_process_times+0x5c/0x68
> [<ffffffff8026c8e1>] smp_local_timer_interrupt+0x23/0x47
> [<ffffffff8026ce7f>] smp_apic_timer_interrupt+0x99/0x9f
> [<ffffffff8025bdda>] apic_timer_interrupt+0x66/0x6c

```



```

> [<ffffffff8024e78d>] bio_fs_destructor+0x0/0xc
> [<ffffffff88124830>] :libata:ata_scsi_rw_xlat+0x0/0x37e
> [<ffffffff8022d780>] mempool_free+0x10/0x74
> [<ffffffff8023f729>] bio_free+0x33/0x43
> [<ffffffff8023f176>] end_bio_bh_io_sync+0x37/0x3b
> [<ffffffff88042255>] :dm_mod:dec_pending+0xab/0xce
> [<ffffffff88042392>] :dm_mod:clone_endio+0x7f/0x9b
> [<ffffffff88162aa6>] :raid10:raid_end_bio_io+0x2c/0x80
> [<ffffffff881645b2>] :raid10:raid10_end_read_request+0x66/0xe9
> [<ffffffff803010b1>] elv_next_request+0x141/0x151
> [<ffffffff8022b938>] __end_that_request_first+0x153/0x49e
> [<ffffffff803117ce>] swiotlb_unmap_sg+0x9c/0xed
> [<ffffffff8806b597>] :scsi_mod:scsi_delete_timer+0x12/0x59
> [<ffffffff8806cbf9>] :scsi_mod:scsi_end_request+0x27/0xcb
> [<ffffffff8806cdf3>] :scsi_mod:scsi_io_completion+0x156/0x334
> [<ffffffff881203fd>] :libata:ata_hsm_move+0x642/0x661
> [<ffffffff881584a3>] :sd_mod:sd_rw_intr+0x217/0x244
> [<ffffffff8806d091>] :scsi_mod:scsi_device_unbusy+0x67/0x81
> [<ffffffff80236488>] blk_done_softirq+0x5f/0x6d
> [<ffffffff8021030f>] __do_softirq+0x98/0x138
> [<ffffffff8025c43c>] call_softirq+0x1c/0x28
> [<ffffffff802661c3>] do_softirq+0x2c/0x7d
> [<ffffffff802662d6>] do_IRQ+0xc2/0xcb
> [<ffffffff80255128>] mwait_idle+0x0/0x4a
> [<ffffffff8025b761>] ret_from_intr+0x0/0xa
> <EOI> [<ffffffff8025515e>] mwait_idle+0x36/0x4a
> [<ffffffff8024703e>] cpu_idle+0x60/0x7f
> [<ffffffff8053e7be>] start_kernel+0x23b/0x240
> [<ffffffff8053e288>] _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 [<ffffffff8027fd35>] rebalance_tick+0x391/0x57a
> RSP <ffffffff804c4b18>
> 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.
```

--

E Frank Ball efball@efball.com

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops
Posted by [Martin Trtusek](#) on Thu, 11 Oct 2007 05:42:43 GMT
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I test it now. After boot to this kernel I had black screen. Monitor was not in suspend mode, but no characters displayed. Keyboard was working (NumLock worked and Ctrl+Alt+Del worked too). As I remember, the same situation was with 028stab039 which I tried before 13-39.1d1.

After boot to previous kernel I look to config of 028stab045 (before purging it). It looks like there is a lot of changes versus standard debian stock kernel (diff has about 70kB :-o). Perhaps something is missing for my hardware, no power look for what.

Regards
Martin Trtusek

> Hi Martin,
>
> have you tried the new 028stab045 OpenVZ linux-kernel ?
>
> Regards / Gruss,
> Thorsten Schifferdecker
>
> Am Mi, 10.10.2007, 05:54, schrieb Martin Trtusek:
> > 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. Booth scripts are from vzctl
> > package, I installed it from <http://debian.systs.org/>
> >
> > # vzctl --version
> > vzctl version 3.0.18-1dso1
> >
> > I am leaving office now, additional info (if necessary) I can send
> > tomorrow.
> >
> > Martin Trtusek

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops
Posted by [Martin Trtusek](#) on Wed, 24 Oct 2007 04:31:39 GMT
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The same kernel on i386 is working without oops (uptime 22 days). Should I fulfill a bug ?

Unfortunately previous hardware are not available for test now (it is in production, with 2.6.18-openvz-13-1etch4 kernel). Probably after next week we will have similar one for 1-2 week testing.

Martin Trtusek

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> Martin Trtusek

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops

Posted by [efball](#) on Mon, 29 Oct 2007 17:05:40 GMT

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On Wed, Oct 24, 2007 at 06:31:39AM +0200, Martin Trtusek wrote:

> The same kernel on i386 is working without oops (uptime 22 days). Should
> I fulfill a bug ?
>
> Unfortunately previous hardware are not available for test now (it is in
> production, with 2.6.18-openvz-13-1etch4 kernel). Probably after next
> week we will have similar one for 1-2 week testing.
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> Martin Trtusek
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>> 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.

I've seen three crashes with
linux-image-2.6.18-openvz-13-39.1d2-686_028.39.1d2_i386.deb

I changed my production server back to 2.6.18-openvz-12-1etch1-686.

I captured the output this time:

```
preparing to turn dcache accounting on, size 4294967293 pages, watermarks 0 21800
UBC: turning dcache accounting on succeeded, usage 1236258, time 0.040
```

```
-----[ cut here ]-----
```

```
kernel BUG at kernel/sched.c:3798!
```

```
invalid opcode: 0000 [#1]
```

```
SMP
```

```
Modules linked in: netconsole tcp_diag inet_diag hp100 nfs simfs
vznetdev vzethdev vzrst ip_nat vzcpt ip_conntrack nfnetlink vzdquota
vzmon vzdev xt_length ipt_ttl xt_tcpmss ipt_TCPMSS iptable_mangle
iptables_filter xt_multiport xt_limit ipt_tos ipt_REJECT ip_tables
x_tables nfsd exportfs lockd nfs_acl sunrpc ppdev lp ipv6 nls_iso8859_1
isofs dm_snapshot dm_mirror dm_mod uhci_hcd ehci_hcd usb_storage
ide_generic loop snd_cs46xx gameport snd_seq_dummy snd_seq_oss
snd_seq_midi snd_seq_midi_event snd_seq tsdev snd_rawmidi snd_seq_device
snd_ac97_codec snd_ac97_bus snd_pcm_oss snd_mixer_oss i2c_piix4 snd_pcm
i2c_core snd_timer parport_pc psmouse rtc serio_raw snd evdev soundcore
snd_page_alloc shpchp pci_hotplug parport sworks_agp agpgart floppy
pcspkr ide_floppy ext3 jbd mbcache sd_mod ide_cd cdrom ide_disk ohci_hcd
usbcore aic7xxx scsi_transport_spi scsi_mod serverworks generic ide_core
e100 mii processor
```

```
CPU: 1, VCPU: -1.1
```

```
EIP: 0060:[<c01163a8>] Not tainted VLI
```

```
EFLAGS: 00010046 (2.6.18-openvz-13-39.1d2-686 #1)
```

```
EIP is at rebalance_tick+0x2fa/0x485
```

```
eax: 0000005e ebx: c035c6c0 ecx: 00000008 edx: dfb05d94
```

```
esi: c2214180 edi: dfb99000 ebp: dfb05db0 esp: dfb05d64
```

```
ds: 007b es: 007b ss: 0068
```

```
Process swapper (pid: 0, veid: 0, ti=dfb04000 task=dfb01220 task.ti=dfb04000)
```

```
Stack: 00000000 00000000 dfb98000 dfb98000 330b1369 00000001 00000002 00000001
dfb99000 1fb2c449 dfb99000 00000003 000000ff 0000005e 00000000 00000000
dfb01220 00000001 00000000 c1f78da4 c012476b dfb05dd0 f524a414 00000202
```

```
Call Trace:
```

```
[<c012476b>] update_process_times+0x52/0x5c
```

```
[<c010c9d2>] smp_apic_timer_interrupt+0x9b/0xa1
```

```
[<c010342b>] apic_timer_interrupt+0x1f/0x24
```

```
[<c0281338>] _spin_unlock_irqrestore+0x8/0x9
```

```
[<c012d3f6>] __wake_up_bit+0x29/0x2e
```

```
[<c016515e>] end_buffer_async_write+0xe3/0x105
```

```
[<c014a30c>] mempool_free+0x5f/0x63
```

```
[<c0164939>] end_bio_bh_io_sync+0x0/0x39
```

```
[<c0164967>] end_bio_bh_io_sync+0x2e/0x39
```

```
[<c016618d>] bio_endio+0x50/0x55
[<c01a835d>] __end_that_request_first+0x11b/0x425
[<f891f12d>] scsi_end_request+0x1a/0xa9 [scsi_mod]
[<c014a30c>] mempool_free+0x5f/0x63
[<f891f2ff>] scsi_io_completion+0x143/0x2ed [scsi_mod]
[<f89553b2>] sd_rw_intr+0x1eb/0x215 [sd_mod]
[<f891b3bd>] scsi_finish_command+0x73/0x77 [scsi_mod]
[<c01a9f25>] blk_done_softirq+0x4d/0x58
[<c01205aa>] __do_softirq+0x84/0x109
[<c0120665>] do_softirq+0x36/0x3a
[<c0104ea4>] do_IRQ+0x8a/0x92
[<c010339a>] common_interrupt+0x1a/0x20
[<c0101731>] default_idle+0x0/0x59
[<c0101762>] default_idle+0x31/0x59
[<c01017e8>] cpu_idle+0x5e/0x74
Code: 0c 85 c0 0f 84 4e 01 00 00 53 89 c2 8b 4d b8 ff 75 e8 8b 45 dc e8
a7 cf ff ff 89 c3 58 85 db 5a 0f 84 31 01 00 00 39 7d d4 75 0b <0f> 0b
66 b8 d6 0e b8 a3 61 29 c0 39 fb 89 5d d4 0f 84 16 01 00
EIP: [<c01163a8>] rebalance_tick+0x2fa/0x485 SS:ESP 0068:dfb05d64
Kernel panic - not syncing: Fatal exception in interrupt
BUG: warning at arch/i386/kernel/smp.c:550/smp_call_function()
[<c010b093>] smp_call_function+0x53/0xfe
[<c011bfce>] vprintk+0x26/0x3a
[<c010b151>] smp_send_stop+0x13/0x1c
[<c011b322>] panic+0x4c/0xe2
[<c0103d59>] die+0x252/0x269
[<c0104617>] do_invalid_op+0x0/0x9d
[<c01046a8>] do_invalid_op+0x91/0x9d
[<c01163a8>] rebalance_tick+0x2fa/0x485
[<f8e3c87a>] ipt_do_table+0x2a1/0x2cb [ip_tables]
[<c01b2b10>] __next_cpu+0x12/0x21
[<c0113533>] find_busiest_group+0x185/0x46e
[<f8f5e982>] venet_entry_lookup+0x2c/0x5a [vznetdev]
[<c01034dd>] error_code+0x39/0x40
[<c01163a8>] rebalance_tick+0x2fa/0x485
[<c012476b>] update_process_times+0x52/0x5c
[<c010c9d2>] smp_apic_timer_interrupt+0x9b/0xa1
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```

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[<c010339a>] common_interrupt+0x1a/0x20
[<c0101731>] default_idle+0x0/0x59
[<c0101762>] default_idle+0x31/0x59
[<c01017e8>] cpu_idle+0x5e/0x74

--

E Frank Ball efball@efball.com

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops
Posted by [dev](#) on Mon, 29 Oct 2007 17:32:05 GMT
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Thorsten,

Alexey Dobriyan told me that you said you found some misprint
in OVZ patch ported to debian.
Is it true? Can you please point to this? Any patch?

to Frank, can you try using 2.6.18-mainstream-OVZ kernel until this
is resolved in Debian branch and thus confirm that it's purely debian-kernel problem?

Thanks,
Kirill

E Frank Ball III wrote:

> On Wed, Oct 24, 2007 at 06:31:39AM +0200, Martin Trtusek wrote:
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> > I fulfill a bug ?
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> I changed my production server back to 2.6.18-openvz-12-1etch1-686.
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> kernel BUG at kernel/sched.c:3798!
> invalid opcode: 0000 [#1]
> SMP
> Modules linked in: netconsole tcp_diag inet_diag hp100 nfs simfs
> vznetdev vzethdev vzrst ip_nat vzcpt ip_contrack nfnetlink vzdquota
> vzmon vzdev xt_length ipt_ttl xt_tcpmss ipt_TCPMSS iptable_mangle
> iptable_filter xt_multiport xt_limit ipt_tos ipt_REJECT ip_tables
> x_tables nfsd exportfs lockd nfs_acl sunrpc ppdev lp ipv6 nls_iso8859_1
> isofs dm_snapshot dm_mirror dm_mod uhci_hcd ehci_hcd usb_storage
> ide_generic loop snd_cs46xx gameport snd_seq_dummy snd_seq_oss
> snd_seq_midi snd_seq_midi_event snd_seq tsdev snd_rawmidi snd_seq_device
> snd_ac97_codec snd_ac97_bus snd_pcm_oss snd_mixer_oss i2c_piix4 snd_pcm
> i2c_core snd_timer parport_pc psmouse rtc serio_raw snd evdev soundcore
> snd_page_alloc shpchp pci_hotplug parport sworks_agp agpgart floppy
> pcspkr ide_floppy ext3 jbd mbcache sd_mod ide_cd cdrom ide_disk ohci_hcd
> usbcore aic7xxx scsi_transport_spi scsi_mod serverworks generic ide_core
> e100 mii processor
> CPU: 1, VCPU: -1.1
> EIP: 0060:[<c01163a8>] Not tainted VLI
> EFLAGS: 00010046 (2.6.18-openvz-13-39.1d2-686 #1)
> EIP is at rebalance_tick+0x2fa/0x485
> eax: 0000005e ebx: c035c6c0 ecx: 00000008 edx: dfb05d94
> esi: c2214180 edi: dfb99000 ebp: dfb05db0 esp: dfb05d64
> ds: 007b es: 007b ss: 0068
> Process swapper (pid: 0, veid: 0, ti=dfb04000 task=dfb01220 task.ti=dfb04000)
> Stack: 00000000 00000000 dfb98000 dfb98000 330b1369 00000001 00000002 00000001
> dfb99000 1fb2c449 dfb99000 00000003 000000ff 0000005e 00000000 00000000
> dfb01220 00000001 00000000 c1f78da4 c012476b dfb05dd0 f524a414 00000202
> Call Trace:
> [<c012476b>] update_process_times+0x52/0x5c

```



```

> [<c010c9d2>] smp_apic_timer_interrupt+0x9b/0xa1
> [<c010342b>] apic_timer_interrupt+0x1f/0x24
> [<c0281338>] _spin_unlock_irqrestore+0x8/0x9
> [<c012d3f6>] __wake_up_bit+0x29/0x2e
> [<c016515e>] end_buffer_async_write+0xe3/0x105
> [<c014a30c>] mempool_free+0x5f/0x63
> [<c0164939>] end_bio_bh_io_sync+0x0/0x39
> [<c0164967>] end_bio_bh_io_sync+0x2e/0x39
> [<c016618d>] bio_endio+0x50/0x55
> [<c01a835d>] __end_that_request_first+0x11b/0x425
> [<f891f12d>] scsi_end_request+0x1a/0xa9 [scsi_mod]
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> [<c0101762>] default_idle+0x31/0x59
> [<c01017e8>] cpu_idle+0x5e/0x74
> Code: 0c 85 c0 0f 84 4e 01 00 00 53 89 c2 8b 4d b8 ff 75 e8 8b 45 dc e8
> a7 cf ff ff 89 c3 58 85 db 5a 0f 84 31 01 00 00 39 7d d4 75 0b <0f> 0b
> 66 b8 d6 0e b8 a3 61 29 c0 39 fb 89 5d d4 0f 84 16 01 00
> EIP: [<c01163a8>] rebalance_tick+0x2fa/0x485 SS:ESP 0068:dfb05d64
> Kernel panic - not syncing: Fatal exception in interrupt
> BUG: warning at arch/i386/kernel/smp.c:550/smp_call_function()
> [<c010b093>] smp_call_function+0x53/0xfe
> [<c011bfce>] vprintk+0x26/0x3a
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> [<c0281338>] _spin_unlock_irqrestore+0x8/0x9
> [<c012d3f6>] __wake_up_bit+0x29/0x2e

```

> [`<c016515e>`] `end_buffer_async_write+0xe3/0x105`
> [`<c014a30c>`] `mempool_free+0x5f/0x63`
> [`<c0164939>`] `end_bio_bh_io_sync+0x0/0x39`
> [`<c0164967>`] `end_bio_bh_io_sync+0x2e/0x39`
> [`<c016618d>`] `bio_endio+0x50/0x55`
> [`<c01a835d>`] `__end_that_request_first+0x11b/0x425`
> [`<f891f12d>`] `scsi_end_request+0x1a/0xa9` [`scsi_mod`]
> [`<c014a30c>`] `mempool_free+0x5f/0x63`
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>
>
>

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops
Posted by [Thorsten Schifferdeck](#) on Mon, 05 Nov 2007 17:48:38 GMT
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Hi Kirill, hi Frank,

@Kirill:

yes i found a misprint, which affected the debian linux tree only
028stab045, done in my linux-patch-openvz.

I can take a look between Ola's 028stab039 and my patches and mail the
diff to Alex and you.

@Frank:

I've built the the OpenVZ kernels called fzakernel, it's the debian kernel
config plus OpenVZ support, version 028stab048;
see

<http://debian.systs.org/openvz/166/new-openvz-flavour-added-fzakernel-version-028stab481/>

Regards,
Thorsten

Am Mo, 29.10.2007, 17:34, schrieb Kirill Korotaev:

> Thorsten,

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> Alexey Dobriyan told me that you said you found some misprint
> in OVZ patch ported to debian.
> Is it true? Can you please point to this? Any patch?
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```

>> UBC: turning dcache accounting on succeeded, usage 1236258, time 0.040
-----[ cut here ]-----
>> kernel BUG at kernel/sched.c:3798!
>> invalid opcode: 0000 [#1]
>> SMP
>> Modules linked in: netconsole tcp_diag inet_diag hp100 nfs simfs
vznetdev vzethdev vzrst ip_nat vzcpt ip_conntrack nfnetlink vzdquota
vzmon vzdev xt_length ipt_ttl xt_tcpmss ipt_TCPMSS iptable_mangle
iptables_filter xt_multiport xt_limit ipt_tos ipt_REJECT ip_tables
x_tables nfsd exportfs lockd nfs_acl sunrpc ppdev lp ipv6 nls_iso8859_1
isofs dm_snapshot dm_mirror dm_mod uhci_hcd ehci_hcd usb_storage
ide_generic loop snd_cs46xx gameport snd_seq_dummy snd_seq_oss
>> snd_seq_midi snd_seq_midi_event snd_seq tsdev snd_rawmidi
snd_seq_device snd_ac97_codec snd_ac97_bus snd_pcm_oss snd_mixer_oss
i2c_piix4 snd_pcm i2c_core snd_timer parport_pc psmouse rtc serio_raw
snd evdev soundcore snd_page_alloc shpchp pci_hotplug parport
sworks_agp agpgart floppy pcspkr ide_floppy ext3 jbd mbcache sd_mod
ide_cd cdrom ide_disk ohci_hcd usbcore aic7xxx scsi_transport_spi
scsi_mod serverworks generic ide_core e100 mii processor
>> CPU: 1, VCPU: -1.1
>> EIP: 0060:[<c01163a8>] Not tainted VLI
>> EFLAGS: 00010046 (2.6.18-openvz-13-39.1d2-686 #1)
>> EIP is at rebalance_tick+0x2fa/0x485
>> eax: 0000005e ebx: c035c6c0 ecx: 00000008 edx: dfb05d94
>> esi: c2214180 edi: dfb99000 ebp: dfb05db0 esp: dfb05d64
>> ds: 007b es: 007b ss: 0068
>> Process swapper (pid: 0, veid: 0, ti=dfb04000 task=dfb01220
>> task.ti=dfb04000)
>> Stack: 00000000 00000000 dfb98000 dfb98000 330b1369 00000001 00000002
00000001
>> dfb99000 1fb2c449 dfb99000 00000003 000000ff 0000005e 00000000
>> 00000000
>> dfb01220 00000001 00000000 c1f78da4 c012476b dfb05dd0 f524a414
>> 00000202
>> Call Trace:
>> [<c012476b>] update_process_times+0x52/0x5c
>> [<c010c9d2>] smp_apic_timer_interrupt+0x9b/0xa1
>> [<c010342b>] apic_timer_interrupt+0x1f/0x24
>> [<c0281338>] __spin_unlock_irqrestore+0x8/0x9
>> [<c012d3f6>] __wake_up_bit+0x29/0x2e
>> [<c016515e>] end_buffer_async_write+0xe3/0x105
>> [<c014a30c>] mempool_free+0x5f/0x63
>> [<c0164939>] end_bio_bh_io_sync+0x0/0x39
>> [<c0164967>] end_bio_bh_io_sync+0x2e/0x39
>> [<c016618d>] bio_endio+0x50/0x55
>> [<c01a835d>] __end_that_request_first+0x11b/0x425
>> [<f891f12d>] scsi_end_request+0x1a/0xa9 [scsi_mod]
>> [<c014a30c>] mempool_free+0x5f/0x63

```

```

>> [<f891f2ff>] scsi_io_completion+0x143/0x2ed [scsi_mod]
>> [<f89553b2>] sd_rw_intr+0x1eb/0x215 [sd_mod]
>> [<f891b3bd>] scsi_finish_command+0x73/0x77 [scsi_mod]
>> [<c01a9f25>] blk_done_softirq+0x4d/0x58
>> [<c01205aa>] __do_softirq+0x84/0x109
>> [<c0120665>] do_softirq+0x36/0x3a
>> [<c0104ea4>] do_IRQ+0x8a/0x92
>> [<c010339a>] common_interrupt+0x1a/0x20
>> [<c0101731>] default_idle+0x0/0x59
>> [<c0101762>] default_idle+0x31/0x59
>> [<c01017e8>] cpu_idle+0x5e/0x74
>> Code: 0c 85 c0 0f 84 4e 01 00 00 53 89 c2 8b 4d b8 ff 75 e8 8b 45 dc
e8 a7 cf ff ff 89 c3 58 85 db 5a 0f 84 31 01 00 00 39 7d d4 75 0b <0f>
0b 66 b8 d6 0e b8 a3 61 29 c0 39 fb 89 5d d4 0f 84 16 01 00
>> EIP: [<c01163a8>] rebalance_tick+0x2fa/0x485 SS:ESP 0068:dfb05d64
Kernel panic - not syncing: Fatal exception in interrupt
>> BUG: warning at arch/i386/kernel/smp.c:550/smp_call_function()
>> [<c010b093>] smp_call_function+0x53/0xfe
>> [<c011bfce>] vprintk+0x26/0x3a
>> [<c010b151>] smp_send_stop+0x13/0x1c
>> [<c011b322>] panic+0x4c/0xe2
>> [<c0103d59>] die+0x252/0x269
>> [<c0104617>] do_invalid_op+0x0/0x9d
>> [<c01046a8>] do_invalid_op+0x91/0x9d
>> [<c01163a8>] rebalance_tick+0x2fa/0x485
>> [<f8e3c87a>] ipt_do_table+0x2a1/0x2cb [ip_tables]
>> [<c01b2b10>] __next_cpu+0x12/0x21
>> [<c0113533>] find_busiest_group+0x185/0x46e
>> [<f8f5e982>] venet_entry_lookup+0x2c/0x5a [vznetdev]
>> [<c01034dd>] error_code+0x39/0x40
>> [<c01163a8>] rebalance_tick+0x2fa/0x485
>> [<c012476b>] update_process_times+0x52/0x5c
>> [<c010c9d2>] smp_apic_timer_interrupt+0x9b/0xa1
>> [<c010342b>] apic_timer_interrupt+0x1f/0x24
>> [<c0281338>] _spin_unlock_irqrestore+0x8/0x9
>> [<c012d3f6>] __wake_up_bit+0x29/0x2e
>> [<c016515e>] end_buffer_async_write+0xe3/0x105
>> [<c014a30c>] mempool_free+0x5f/0x63
>> [<c0164939>] end_bio_bh_io_sync+0x0/0x39
>> [<c0164967>] end_bio_bh_io_sync+0x2e/0x39
>> [<c016618d>] bio_endio+0x50/0x55
>> [<c01a835d>] __end_that_request_first+0x11b/0x425
>> [<f891f12d>] scsi_end_request+0x1a/0xa9 [scsi_mod]
>> [<c014a30c>] mempool_free+0x5f/0x63
>> [<f891f2ff>] scsi_io_completion+0x143/0x2ed [scsi_mod]
>> [<f89553b2>] sd_rw_intr+0x1eb/0x215 [sd_mod]
>> [<f891b3bd>] scsi_finish_command+0x73/0x77 [scsi_mod]
>> [<c01a9f25>] blk_done_softirq+0x4d/0x58

```

>> [[c01205aa](#)] __do_softirq+0x84/0x109
>> [[c0120665](#)] do_softirq+0x36/0x3a
>> [[c0104ea4](#)] do_IRQ+0x8a/0x92
>> [[c010339a](#)] common_interrupt+0x1a/0x20
>> [[c0101731](#)] default_idle+0x0/0x59
>> [[c0101762](#)] default_idle+0x31/0x59
>> [[c01017e8](#)] cpu_idle+0x5e/0x74

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops
Posted by [dev](#) on Tue, 06 Nov 2007 15:31:04 GMT
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Frank,

can you please try this kernel?

Thanks,
Kirill

Thorsten Schifferdecker wrote:

> Hi Kirill, hi Frank,
>
> @Kirill:
> yes i found a misprint, which affected the debian linux tree only
> 028stab045, done in my linux-patch-openvz.
>
> I can take a look between Ola's 028stab039 and my patches and mail the
> diff to Alex and you.
>
> @Frank:
> I've built the the OpenVZ kernels called fzakernel, it's the debian kernel
> config plus OpenVZ support, version 028stab048;
> see
> <http://debian.systs.org/openvz/166/new-openvz-flavour-added-fzakernel-version-028stab481/>
>
> Regards,
> Thorsten
>
> Am Mo, 29.10.2007, 17:34, schrieb Kirill Korotaev:
>
>>Thorsten,
>>
>>Alexey Dobriyan told me that you said you found some misprint
>>in OVZ patch ported to debian.
>>Is it true? Can you please point to this? Any patch?
>>
>>to Frank, can you try using 2.6.18-mainstream-OVZ kernel until this is

>
> resolved in Debian branch and thus confirm that it's purely
>
>>debian-kernel problem?
>>
>>Thanks,
>>Kirill
>>
>>
>>E Frank Ball III wrote:
>>
>>>On Wed, Oct 24, 2007 at 06:31:39AM +0200, Martin Trtusek wrote:
>>> > The same kernel on i386 is working without oops (uptime 22 days).
>>>Should
>>> > I fulfill a bug ?
>>> >
>>> > Unfortunately previous hardware are not available for test now (it is
>>>in
>>> > production, with 2.6.18-openvz-13-1etch4 kernel). Probably after
>
> next week we will have similar one for 1-2 week testing.
>
>>> >
>>> > Martin Trtusek
>>> >

>>> > > 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.
>>>
>>>
>>>I've seen three crashes with
>>>linux-image-2.6.18-openvz-13-39.1d2-686_028.39.1d2_i386.deb
>>>
>>>I changed my production server back to 2.6.18-openvz-12-1etch1-686.
>>>
>>>I captured the output this time:
>>>
>>>preparing to turn dcache accounting on, size 4294967293 pages,

```

>>>watermarks 0 21800
>>>UBC: turning dcache accounting on succeeded, usage 1236258, time 0.040
>
> -----[ cut here ]-----
>
>>>kernel BUG at kernel/sched.c:3798!
>>>invalid opcode: 0000 [#1]
>>>SMP
>>>Modules linked in: netconsole tcp_diag inet_diag hp100 nfs simfs
>
> vznetdev vzethdev vzrst ip_nat vzcpt ip_contrack nfnetlink vzdquota
> vzmon vzdev xt_length ipt_ttl xt_tcpmss ipt_TCPMSS iptable_mangle
> iptable_filter xt_multiport xt_limit ipt_tos ipt_REJECT ip_tables
> x_tables nfsd exportfs lockd nfs_acl sunrpc ppdev lp ipv6 nls_iso8859_1
> isofs dm_snapshot dm_mirror dm_mod uhci_hcd ehci_hcd usb_storage
> ide_generic loop snd_cs46xx gameport snd_seq_dummy snd_seq_oss
>
>>>snd_seq_midi snd_seq_midi_event snd_seq tsdev snd_rawmidi
>
> snd_seq_device snd_ac97_codec snd_ac97_bus snd_pcm_oss snd_mixer_oss
> i2c_piix4 snd_pcm i2c_core snd_timer parport_pc psmouse rtc serio_raw
> snd evdev soundcore snd_page_alloc shpchp pci_hotplug parport
> sworks_agp agpgart floppy pcspkr ide_floppy ext3 jbd mbcache sd_mod
> ide_cd cdrom ide_disk ohci_hcd usbcore aic7xxx scsi_transport_spi
> scsi_mod serverworks generic ide_core e100 mii processor
>
>>>CPU: 1, VCPU: -1.1
>>>EIP: 0060:[<c01163a8>] Not tainted VLI
>>>EFLAGS: 00010046 (2.6.18-openvz-13-39.1d2-686 #1)
>>>EIP is at rebalance_tick+0x2fa/0x485
>>>eax: 0000005e ebx: c035c6c0 ecx: 00000008 edx: dfb05d94
>>>esi: c2214180 edi: dfb99000 ebp: dfb05db0 esp: dfb05d64
>>>ds: 007b es: 007b ss: 0068
>>>Process swapper (pid: 0, veid: 0, ti=dfb04000 task=dfb01220
>>>task.ti=dfb04000)
>>>Stack: 00000000 00000000 dfb98000 dfb98000 330b1369 00000001 00000002
>
> 00000001
>
>>> dfb99000 1fb2c449 dfb99000 00000003 000000ff 0000005e 00000000
>>>00000000
>>> dfb01220 00000001 00000000 c1f78da4 c012476b dfb05dd0 f524a414
>>>00000202
>>> Call Trace:
>>> [<c012476b>] update_process_times+0x52/0x5c
>>> [<c010c9d2>] smp_apic_timer_interrupt+0x9b/0xa1
>>> [<c010342b>] apic_timer_interrupt+0x1f/0x24
>>> [<c0281338>] _spin_unlock_irqrestore+0x8/0x9

```

```

>>> [<c012d3f6>] __wake_up_bit+0x29/0x2e
>>> [<c016515e>] end_buffer_async_write+0xe3/0x105
>>> [<c014a30c>] mempool_free+0x5f/0x63
>>> [<c0164939>] end_bio_bh_io_sync+0x0/0x39
>>> [<c0164967>] end_bio_bh_io_sync+0x2e/0x39
>>> [<c016618d>] bio_endio+0x50/0x55
>>> [<c01a835d>] __end_that_request_first+0x11b/0x425
>>> [<f891f12d>] scsi_end_request+0x1a/0xa9 [scsi_mod]
>>> [<c014a30c>] mempool_free+0x5f/0x63
>>> [<f891f2ff>] scsi_io_completion+0x143/0x2ed [scsi_mod]
>>> [<f89553b2>] sd_rw_intr+0x1eb/0x215 [sd_mod]
>>> [<f891b3bd>] scsi_finish_command+0x73/0x77 [scsi_mod]
>>> [<c01a9f25>] blk_done_softirq+0x4d/0x58
>>> [<c01205aa>] __do_softirq+0x84/0x109
>>> [<c0120665>] do_softirq+0x36/0x3a
>>> [<c0104ea4>] do_IRQ+0x8a/0x92
>>> [<c010339a>] common_interrupt+0x1a/0x20
>>> [<c0101731>] default_idle+0x0/0x59
>>> [<c0101762>] default_idle+0x31/0x59
>>> [<c01017e8>] cpu_idle+0x5e/0x74
>>>Code: 0c 85 c0 0f 84 4e 01 00 00 53 89 c2 8b 4d b8 ff 75 e8 8b 45 dc
>
> e8 a7 cf ff ff 89 c3 58 85 db 5a 0f 84 31 01 00 00 39 7d d4 75 0b <0f>
> 0b 66 b8 d6 0e b8 a3 61 29 c0 39 fb 89 5d d4 0f 84 16 01 00
>
>>>EIP: [<c01163a8>] rebalance_tick+0x2fa/0x485 SS:ESP 0068:dfb05d64
>
> Kernel panic - not syncing: Fatal exception in interrupt
>
>>>BUG: warning at arch/i386/kernel/smp.c:550/smp_call_function()
>>> [<c010b093>] smp_call_function+0x53/0xfe
>>> [<c011bfce>] vprintk+0x26/0x3a
>>> [<c010b151>] smp_send_stop+0x13/0x1c
>>> [<c011b322>] panic+0x4c/0xe2
>>> [<c0103d59>] die+0x252/0x269
>>> [<c0104617>] do_invalid_op+0x0/0x9d
>>> [<c01046a8>] do_invalid_op+0x91/0x9d
>>> [<c01163a8>] rebalance_tick+0x2fa/0x485
>>> [<f8e3c87a>] ipt_do_table+0x2a1/0x2cb [ip_tables]
>>> [<c01b2b10>] __next_cpu+0x12/0x21
>>> [<c0113533>] find_busiest_group+0x185/0x46e
>>> [<f8f5e982>] venet_entry_lookup+0x2c/0x5a [vznetdev]
>>> [<c01034dd>] error_code+0x39/0x40
>>> [<c01163a8>] rebalance_tick+0x2fa/0x485
>>> [<c012476b>] update_process_times+0x52/0x5c
>>> [<c010c9d2>] smp_apic_timer_interrupt+0x9b/0xa1
>>> [<c010342b>] apic_timer_interrupt+0x1f/0x24
>>> [<c0281338>] _spin_unlock_irqrestore+0x8/0x9

```

```
>>> [<c012d3f6>] __wake_up_bit+0x29/0x2e
>>> [<c016515e>] end_buffer_async_write+0xe3/0x105
>>> [<c014a30c>] mempool_free+0x5f/0x63
>>> [<c0164939>] end_bio_bh_io_sync+0x0/0x39
>>> [<c0164967>] end_bio_bh_io_sync+0x2e/0x39
>>> [<c016618d>] bio_endio+0x50/0x55
>>> [<c01a835d>] __end_that_request_first+0x11b/0x425
>>> [<f891f12d>] scsi_end_request+0x1a/0xa9 [scsi_mod]
>>> [<c014a30c>] mempool_free+0x5f/0x63
>>> [<f891f2ff>] scsi_io_completion+0x143/0x2ed [scsi_mod]
>>> [<f89553b2>] sd_rw_intr+0x1eb/0x215 [sd_mod]
>>> [<f891b3bd>] scsi_finish_command+0x73/0x77 [scsi_mod]
>>> [<c01a9f25>] blk_done_softirq+0x4d/0x58
>>> [<c01205aa>] __do_softirq+0x84/0x109
>>> [<c0120665>] do_softirq+0x36/0x3a
>>> [<c0104ea4>] do_IRQ+0x8a/0x92
>>> [<c010339a>] common_interrupt+0x1a/0x20
>>> [<c0101731>] default_idle+0x0/0x59
>>> [<c0101762>] default_idle+0x31/0x59
>>> [<c01017e8>] cpu_idle+0x5e/0x74
>
>
```

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops
Posted by [efball](#) on Tue, 06 Nov 2007 19:03:18 GMT
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Kirill,

It's running. It will take time to see how stable it is.

```
cat /proc/version
Linux version 2.6.18-fza-5-686 () (tsd@debian.systs.org)
```

E Frank Ball efball@efball.com

On Tue, Nov 06, 2007 at 06:34:10PM +0300, Kirill Korotaev wrote:

```
> Frank,
>
> can you please try this kernel?
>
> Thanks,
> Kirill
>
> Thorsten Schifferdecker wrote:
>> Hi Kirill, hi Frank,
```

> >
> > @Kirill:
> > yes i found a misprint, which affected the debian linux tree only
> > 028stab045, done in my linux-patch-openvz.
> >
> > I can take a look between Ola's 028stab039 and my patches and mail the
> > diff to Alex and you.
> >
> > @Frank:
> > I've built the the OpenVZ kernels called fzakernel, it's the debian kernel
> > config plus OpenVZ support, version 028stab048;
> > see
> > <http://debian.systs.org/openvz/166/new-openvz-flavour-added-fzakernel-version-028stab481/>
> >
> > Regards,
> > Thorsten

Subject: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops

Posted by [efball](#) on Thu, 06 Dec 2007 21:38:57 GMT

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On Mon, Nov 05, 2007 at 05:48:38PM -0000, Thorsten Schifferdecker wrote:

> Hi Kirill, hi Frank,
>
> @Kirill:
> yes i found a misprint, which affected the debian linux tree only
> 028stab045, done in my linux-patch-openvz.
>
> I can take a look between Ola's 028stab039 and my patches and mail the
> diff to Alex and you.
>
> @Frank:
> I've built the the OpenVZ kernels called fzakernel, it's the debian kernel
> config plus OpenVZ support, version 028stab048;
> see
> <http://debian.systs.org/openvz/166/new-openvz-flavour-added-fzakernel-version-028stab481/>
>
> Regards,
> Thorsten

Thorsten,

I've had your fzakernel-2.6.18-686 kernel running on two boxes for a month now, and it works great. No more crashes.

I'm a little confused by something, your website also has the

ovzkernel-2.6.18 kernel that appears to be the same version (028stab48.1) and is 23 minutes newer than the fza kernel. What's the difference? I tried that one, but my automounter (amd) doesn't work on the host anymore (it does work in the VEs).

--

E Frank Ball efball@efball.com

Subject: amd (automounter) on fza or ovz debian kernels (was: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 oops)

Posted by [Thorsten Schifferdeck](#) on Tue, 11 Dec 2007 07:42:06 GMT

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Hello Frank,

E Frank Ball III wrote:

> I've had your fza kernel-2.6.18-686 kernel running on two boxes for a
> month now, and it works great. No more crashes.

Perfect! ;-)

>

> I'm a little confused by something, your website also has the
> ovzkernel-2.6.18 kernel that appears to be the same version
> (028stab48.1) and is 23 minutes newer than the fza kernel. What's the
> difference? I tried that one, but my automounter (amd) doesn't work on
> the host anymore (it does work in the VEs).

>

The main difference between fza and ovz:

fza used the debian kernel config plus openvz
ovz used the original kernel config from openvz.org

The time difference are related to the build-queue only.

Plz post the loaded modules at your Hdw-Node, on which kernel work the automounter-daemon ?

Bye,
Thorsten

Subject: Re: amd (automounter) on fza or ovz debian kernels (was: Re: Kernel 2.6.18-openvz-13-39.1d1-amd64 o

Posted by [efball](#) on Tue, 11 Dec 2007 19:15:34 GMT

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On Tue, Dec 11, 2007 at 08:42:06AM +0100, Thorsten Schifferdecker wrote:

>
> E Frank Ball III wrote:
>
>> I'm a little confused by something, your website also has the
>> ovzkernel-2.6.18 kernel that appears to be the same version
>> (028stab48.1) and is 23 minutes newer than the fzakernel. What's the
>> difference? I tried that one, but my automounter (amd) doesn't work on
>> the host anymore (it does work in the VEs).
>
>
> Plz post the loaded modules at your Hdw-Node, on which kernel work the
> automounter-daemon ?
>
> Thorsten

I tried going back to the 2.6.18-fza-5-686 kernel, but the automounter (amd) still wasn't working. This kernel had been working fine. Then I remembered I upgraded this box from etch/stable to lenny/testing. After the upgrade amd kept working fine until I rebooted. So now amd doesn't work with any of these kernels: 2.6.18-fza-5-686, 2.6.18-fza-028stab051.1-686, 2.6.18-ovz-028stab051.1-smp. But it does work with 2.6.18-openvz-12-1etch1-686.

I'm not seeing any errors in the log files, just a "directory not found" error when I try to cd to a mount point.

Here is the output of lsmod with the working 2.6.18-openvz-12-1etch1-686 kernel:

Module	Size	Used by
hp100	19104	0
vzethdev	10152	0
vznetdev	16384	7
simfs	5068	3
vzrst	118964	0
ip_nat	17712	1 vzrst
vzcpt	95620	0
ip_contrack	56224	3 vzrst,ip_nat,vzcpt
nfnetlink	6712	2 ip_nat,ip_contrack
vzdquota	36212	3 [permanent]
vzmon	40328	7 vzethdev,vznetdev,vzrst,vzcpt
vzdev	3588	4 vzethdev,vznetdev,vzdquota,vzmon
xt_tcpudp	3136	0
xt_length	2048	0

```

ipt_ttl          1984 0
xt_tcpmss        2336 0
ipt_TCPMSS       4192 0
iptables_mangle  4704 3
iptables_filter  4608 3
xt_multiport     3264 0
xt_limit         2752 0
ipt_tos          1760 0
ipt_REJECT       5280 0
ip_tables        13992 2 iptables_mangle,iptables_filter
x_tables         15204 10
xt_tcpudp,xt_length,ipt_ttl,xt_tcpmss,ipt_TCPMSS,xt_multiport,xt_limit,ipt_tos,ipt_REJECT,ip_tables
nfsd             199184 13
exportfs         5856 1 nfsd
ppdev            8676 0
lp              11012 0
nfs              204524 5
lockd            54440 3 nfsd,nfs
nfs_acl          3584 2 nfsd,nfs
sunrpc           140124 11 nfsd,nfs,lockd,nfs_acl
ipv6             235424 43 vzrst,vzcpt,vzmon
nls_iso8859_1    4256 12
isofs            32572 14
dm_snapshot      15552 0
dm_mirror        19152 0
dm_mod           50264 2 dm_snapshot,dm_mirror
uhci_hcd         21164 0
ehci_hcd         28168 0
usb_storage      71808 0
ide_generic      1408 0 [permanent]
loop             15048 28
snd_cs46xx       76360 0
gameport         14632 2 snd_cs46xx
tsdev            7520 0
snd_seq_dummy    3844 0
snd_seq_oss      28768 0
snd_seq_midi     8192 0
snd_seq_midi_event 7008 2 snd_seq_oss,snd_seq_midi
snd_seq          45680 6 snd_seq_dummy,snd_seq_oss,snd_seq_midi,snd_seq_midi_event
snd_rawmidi      22560 2 snd_cs46xx,snd_seq_midi
snd_seq_device   7820 5
snd_seq_dummy,snd_seq_oss,snd_seq_midi,snd_seq,snd_rawmidi
snd_ac97_codec   83104 1 snd_cs46xx
snd_ac97_bus     2400 1 snd_ac97_codec
snd_pcm_oss      38368 0
snd_mixer_oss    15200 1 snd_pcm_oss
snd_pcm          68676 3 snd_cs46xx,snd_ac97_codec,snd_pcm_oss

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ide_floppy      16256 0
snd_timer      20996 2 snd_seq,snd_pcm
psmouse        35016 0
floppy         53156 0
snd            47012 10
snd_cs46xx,snd_seq_oss,snd_seq,snd_rawmidi,snd_seq_device,snd_ac97_codec,snd_pcm_oss
,snd_mixer_oss,snd_pcm,snd_timer
parport_pc     32132 1
parport        33576 3 ppdev,lp,parport_pc
serio_raw      6660 0
soundcore      9248 1 snd
rtc            12468 0
snd_page_alloc 9640 2 snd_cs46xx,snd_pcm
sworks_agp     9152 1
shpchp        33024 0
pci_hotplug    28704 1 shpchp
agpgart        29896 1 sworks_agp
i2c_piix4      8140 0
i2c_core       19712 1 i2c_piix4
pcspkr         3072 0
evdev          9088 1
ext3           119592 4
jbd            57736 1 ext3
mbcache        8356 1 ext3
sd_mod         19040 4
ide_cd         36064 0
cdrom          32640 1 ide_cd
ide_disk       14848 3
ohci_hcd       18276 0
aic7xxx        150996 3
scsi_transport_spi 22336 1 aic7xxx
scsi_mod       124424 4 usb_storage,sd_mod,aic7xxx,scsi_transport_spi
usbcore        112708 5 uhci_hcd,ehci_hcd,usb_storage,ohci_hcd
serverworks    8328 0 [permanent]
generic        5476 0 [permanent]
ide_core       110632 7
usb_storage,ide_generic,ide_floppy,ide_cd,ide_disk,serverworks,generic
e100           32232 0
mii            5344 1 e100
processor      25800 0

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