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Subject: \*SOLVED\* KERNEL Oops

Posted by [CleberDantas](#) on Sun, 04 Jun 2006 21:05:30 GMT

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Hi,

IMPORTANT: Do not ignore this email.

Your kernel had an Oops!

This is the result of bad hardware or a kernel bug.

Your system may continue to function as normal, however

there is a good chance bad things are happening right now.

Bad things include: files disappearing, daemons crashing,  
complete server crashes, disk corruption and many others.

You might want to check your RAM with memtest86 as this is  
usually the cause of the problem.

<http://www.memtest86.com/>

The Oops is below:

Unable to handle kernel NULL pointer dereference at virtual address 00000000

printing eip:

c018c3c8

\*pde = 00000000

Oops: 0000 [#1]

Modules linked in: vernetdev vzmon af\_packet simfs vfat fat loop vzdquota ipt\_length ipt\_ttl  
ipt\_tcpmss ipt\_TCPMSS iptable\_mangle ipt\_multiport ipt\_limit ipt\_tos ipt\_REJECT iptable\_filter  
ip\_tables i2c\_dev i2c\_core sunrpc vzdev thermal processor fan button battery asus\_acpi ac  
uhci\_hcd ehci\_hcd usbcore e100 mii floppy

CPU: 0, VCPU: 0:0

EIP: 0060:[<c018c3c8>] Not tainted

EFLAGS: 00010203 (2.6.8-022stab077.1)

EIP is at vfs\_quota\_on\_file+0x1f8/0x350

eax: 00000000 ebx: f3fd6ca8 ecx: f3f8b124 edx: 00000000

esi: f3fd6c00 edi: c6500e40 ebp: f4c2a19c esp: c0c9fe40

ds: 007b es: 007b ss: 0068

Process quotaon (pid: 2802, veid=0, threadinfo=c0c9f000 task=ec39ecc0)

Stack: f3fd6c00 00000000 00000101 f3fd6ccc f3f8b124 00000022 ffffffff f3f8b0b4

f3d8e89c 00000010 c6500e40 f32ac000 00800002 00000002 c018c578 c6500e40

00000000 00000002 f3fd6c00 f32ac000 c01d8681 f3fd6c00 00000000 00000002

Call Trace:

[<c018c578>] vfs\_quota\_on+0x58/0x80

[<c01d8681>] ext3\_quota\_on+0xb1/0x100

[<c016d79b>] link\_path\_walk+0x76b/0xd30

[<c016c8a6>] getname+0x76/0xc0

[<c018e9c2>] do\_quotactl+0x292/0x520

[<c0176df5>] dput+0x25/0x30

[<c016cb75>] path\_release+0x15/0x50  
[<c0167eeb>] lookup\_bdev+0x6b/0xc0  
[<c01345dc>] uncharge\_dcache+0x2c/0x40  
[<c016c8a6>] getname+0x76/0xc0  
[<c018ecc0>] quota\_get\_sb+0x70/0x80  
[<c018f56d>] sys\_quotactl+0x8d/0xd9  
[<c03fc2ef>] syscall\_call+0x7/0xb  
Code: ff 10 85 c0 0f 84 20 01 00 00 8b 4c 24 1c ba 01 00 ff ff 8b

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Subject: Re: KERNEL Oops  
Posted by [Vasily Tarasov](#) on Mon, 05 Jun 2006 07:16:50 GMT  
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Thanks for report, I filled bug #184 in openVZ bugzilla.

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Subject: Re: KERNEL Oops  
Posted by [Vasily Tarasov](#) on Mon, 05 Jun 2006 11:10:04 GMT  
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Is it reproducible on your node?  
If yes, then can you provide step-by-step instructions how to reproduce it, please.

Thanks.

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Subject: Re: KERNEL Oops  
Posted by [Vasily Tarasov](#) on Fri, 09 Jun 2006 06:13:37 GMT  
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Here is the patch, that fixes the problem.  
Can you check it if possible, please.  
<http://bugzilla.openvz.org/attachment.cgi?id=92&action=view>

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Subject: Re: KERNEL Oops  
Posted by [CleberDantas](#) on Fri, 09 Jun 2006 13:59:24 GMT  
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Hi,

It forgives, I did not understand. I must edit kernel that I lowered in the site of openvz?

```
--- linux-2.6.8-022stab077-quotaoops/fs/dquot.c.orig 2004-08-14 09:37:26.000000000 +0400
+++ linux-2.6.8-022stab077-quotaoops/fs/dquot.c 2006-06-08 03:20:48.000000000 +0400
@@ -152,7 +152,9 @@ static struct quota_format_type *find_qu
 struct quota_format_type *actqf;

 spin_lock(&dq_list_lock);
- for (actqf = quota_formats; actqf && actqf->qf_fmt_id != id; actqf = actqf->qf_next);
+ for (actqf = quota_formats;
+ actqf && (actqf->qf_fmt_id != id || actqf->qf_ops == NULL);
+ actqf = actqf->qf_next);
 if (!actqf || !try_module_get(actqf->qf_owner)) {
 int qm;
```

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Subject: Re: KERNEL Oops  
Posted by [Vasily Tarasov](#) on Fri, 09 Jun 2006 14:10:02 GMT  
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You can do two things:

1) Wait before this patch will be included in the next kernel release and then download new kernel.

2) Compile your kernel yourself with this patch applied.

Here is how to compile openVZ kernel: [http://wiki.openvz.org/Kernel\\_build](http://wiki.openvz.org/Kernel_build)

But don't forget to apply the patch, that fixes the problem.

You can do it using patch command.