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Subject: "fatal resource shortage" crashes HN on 2.6.16 patch 026test-018.1

Posted by [HaroldB](#) on Thu, 28 Sep 2006 07:46:18 GMT

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Hi, my test server running 2.6.16 with patch 2.6.16-026test018.1 has crashed twice, both times with this in the messages file:

crash #1:

Sep 27 17:00:29 server kernel: Fatal resource shortage: kmemsize, UB 0.

[DEAD]

crash #2:

Sep 28 03:00:37 server kernel: Fatal resource shortage: kmemsize, UB 0.

Sep 28 03:05:54 server last message repeated 4 times

Sep 28 03:05:54 server kernel: Unable to load interpreter /lib/ld-linux.so.2

[DEAD]

For the second one, I managed to get a screen capture of the console but its only the end of the panic, I am not sure if it helps any.

Have I presented any information to figure out what the problem is?

Harold

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### File Attachments

1) [crash2616.JPG](#), downloaded 1304 times

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Subject: Re: "fatal resource shortage" crashes HN on 2.6.16 patch 078

Posted by [Vasily Tarasov](#) on Thu, 28 Sep 2006 07:54:58 GMT

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Sorry, I don't understand what kernel version do you use...

To get 2.6.16 OpenVZ kernel you should use patch-026test\* kernel,  
not patch-022stab\*. patch-022stab is for 2.6.8 kernel.

So, waiting for comments,

Thanks.

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Subject: Re: "fatal resource shortage" crashes HN on 2.6.16 patch 078

Posted by [HaroldB](#) on Thu, 28 Sep 2006 08:00:30 GMT

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Sorry, the patch I used is 2.6.16-026test018.1

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Subject: Re: "fatal resource shortage" crashes HN on 2.6.16 patch 078

Posted by [Vasily Tarasov](#) on Thu, 28 Sep 2006 08:05:16 GMT

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What was the config for kernel?

Can you post it here?

When crash happens: during boot, or after some time work?

What is your architecture?

Can you give `lspci` and `lspci -n` on the node.

Thanks!

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Subject: Re: "fatal resource shortage" crashes HN on 2.6.16 patch 078

Posted by [HaroldB](#) on Thu, 28 Sep 2006 08:09:58 GMT

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Quote:When crash happens: during boot, or after some time work?

After 3-6 hours of hard work.

```
[root@server vz-scripts]# lspci
```

```
00:00.0 Host bridge: Intel Corporation E7320 Memory Controller Hub (rev 0c)
```

```
00:02.0 PCI bridge: Intel Corporation E7525/E7520/E7320 PCI Express Port A (rev 0c)
```

```
00:03.0 PCI bridge: Intel Corporation E7525/E7520/E7320 PCI Express Port A1 (rev 0c)
```

```
00:1c.0 PCI bridge: Intel Corporation 6300ESB 64-bit PCI-X Bridge (rev 02)
```

```
00:1d.0 USB Controller: Intel Corporation 6300ESB USB Universal Host Controller (rev 02)
```

```
00:1d.1 USB Controller: Intel Corporation 6300ESB USB Universal Host Controller (rev 02)
```

```
00:1d.4 System peripheral: Intel Corporation 6300ESB Watchdog Timer (rev 02)
```

```
00:1d.5 PIC: Intel Corporation 6300ESB I/O Advanced Programmable Interrupt Controller (rev 02)
```

```
00:1d.7 USB Controller: Intel Corporation 6300ESB USB2 Enhanced Host Controller (rev 02)
```

```
00:1e.0 PCI bridge: Intel Corporation 82801 PCI Bridge (rev 0a)
```

```
00:1f.0 ISA bridge: Intel Corporation 6300ESB LPC Interface Controller (rev 02)
```

```
00:1f.1 IDE interface: Intel Corporation 6300ESB PATA Storage Controller (rev 02)
```

```
00:1f.3 SMBus: Intel Corporation 6300ESB SMBus Controller (rev 02)
```

```
03:01.0 RAID bus controller: 3ware Inc 7xxx/8xxx-series PATA/SATA-RAID (rev 01)
```

```
03:03.0 Ethernet controller: Intel Corporation 82541GI/PI Gigabit Ethernet Controller
```

```
03:04.0 Ethernet controller: Intel Corporation 82541GI/PI Gigabit Ethernet Controller
```

```
04:05.0 VGA compatible controller: ATI Technologies Inc Rage XL (rev 27)
```

```
You have new mail in /var/spool/mail/root
```

```
[root@server vz-scripts]# lspci -n
```

```
00:00.0 Class 0600: 8086:3592 (rev 0c)
```

```
00:02.0 Class 0604: 8086:3595 (rev 0c)
```

00:03.0 Class 0604: 8086:3596 (rev 0c)  
00:1c.0 Class 0604: 8086:25ae (rev 02)  
00:1d.0 Class 0c03: 8086:25a9 (rev 02)  
00:1d.1 Class 0c03: 8086:25aa (rev 02)  
00:1d.4 Class 0880: 8086:25ab (rev 02)  
00:1d.5 Class 0800: 8086:25ac (rev 02)  
00:1d.7 Class 0c03: 8086:25ad (rev 02)  
00:1e.0 Class 0604: 8086:244e (rev 0a)  
00:1f.0 Class 0601: 8086:25a1 (rev 02)  
00:1f.1 Class 0101: 8086:25a2 (rev 02)  
00:1f.3 Class 0c05: 8086:25a4 (rev 02)  
03:01.0 Class 0104: 13c1:1001 (rev 01)  
03:03.0 Class 0200: 8086:1076  
03:04.0 Class 0200: 8086:1076  
04:05.0 Class 0300: 1002:4752 (rev 27)  
[root@server vz-scripts]#

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## File Attachments

1) [config.txt](#), downloaded 498 times

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Subject: Re: "fatal resource shortage" crashes HN on 2.6.16 patch 078  
Posted by [Vasily Tarasov](#) on Thu, 28 Sep 2006 08:21:57 GMT  
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Hello, this is known bug. It appeared after some UBC optimization. Will be fixed soon!  
Will you file bug in bugzilla?

PLEASE, can you set up serial console to get FULL call trace?

Thanks!

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Subject: Re: "fatal resource shortage" crashes HN on 2.6.16 patch 078  
Posted by [HaroldB](#) on Thu, 28 Sep 2006 08:27:58 GMT  
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Surely, I will post the information I have provided to the bugzilla.

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Subject: Re: "fatal resource shortage" crashes HN on 2.6.16 patch 078  
Posted by [xemul](#) on Thu, 28 Sep 2006 12:17:56 GMT  
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Try this patch

<http://git.openvz.org/?p=linux-2.6-openvz;a=commit;h=4165f1fa371b60cb3a225910faebde95650a1f65>  
at the top of 026test018.1

This should help with resource shortage, but not OOPs

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