
Subject: OpenVz + DRBD

Posted by [Jorge Cabello](#) on Fri, 20 Jul 2007 12:23:49 GMT

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Hi,

Im trying to use DRBD inside an OpenVz Virtual Node but I can't access the kernel module from inside the node.

I tried to follow wiki howto (HA cluster with DRBD and Heartbeat) but when I start drbd inside the node I get the next error:

```
stone101# /etc/init.d/drbd start
```

```
Starting DRBD resources:  No response from the DRBD driver! Is the module loaded?
```

```
[ d0 No response from the DRBD driver! Is the module loaded?
```

```
State change failed: (0)unknown error.
```

```
cmd /sbin/drbdsetup /dev/drbd0 disk /dev/sda7 /dev/sda7 flexible  
--set-defaults --create-device --on-io-error=detach  failed!
```

The kernel module is installed in the kernel as lsmod shows (result at the end of the email). Im using a kernel 2.6.20 with OpenVz patch: patch-ovz007.1-combined.gz

Im probably missing something, as I'm just starting to use these tools, but I can't find what it is.

Does someone know what it could be?

Thanks
Jorge

These are the results of some commands:
Inside Hardware Node

```
stone# lsmod
```

Module	Size	Used by
drbd	194372	0
simfs	5348	1
vzdquota	40148	1 [permanent]
firmware_class	9984	0
vznetdev	16960	3
vzethdev	11656	0
vzmon	33032	3 vznetdev,vzethdev
vzdev	3588	6 vzdquota,vznetdev,vzethdev,vzmon

Inside Virtual Node

stone101# lsmod

Module	Size	Used by
--------	------	---------

stone101# cat /proc/drbd

version: 8.0.0 (api:86/proto:86)

SVN Revision: 2713 build by root@dhcp0-176.sw.ru, 2007-03-05 16:06:51

0: cs:Unconfigured

DRBD Tools were compiled from source code. First entry of ChangeLog file:

8.0.0 (api:86/proto:86)

* No effective changes to rc2.

Subject: Re: OpenVz + DRBD

Posted by [Daniel Pittman](#) on Sat, 21 Jul 2007 10:42:58 GMT

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Jorge Cabello <jorge@aspl.es> writes:

> Im trying to use DRBD inside an OpenVz Virtual Node but I can't access
> the kernel module from inside the node.

[...]

> Im probably missing something, as I'm just starting to use these
> tools, but I can't find what it is.

You didn't mention using the vzctl tool to grant read/write permissions to the DRBD device anywhere in your notes. See the manual page for the 'devnodes' or 'devices' arguments.

Regards,
Daniel

--

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Subject: Re: OpenVz + DRBD

Posted by [Jorge Cabello](#) on Wed, 17 Oct 2007 11:31:50 GMT

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Hi,

Sorry for the delay in the answer but I have been working in other projects.

I granted permissions to the virtual node using:

```
HN# vzctl set 202 --devices b:147:0:rw
```

If I don't load manually the kernel module in the hardware node when I start drbd in the virtual node I get the following:

Starting DRBD resources: Can not load the drbd module.

But if I start the kernel module manually before starting drbd there is a kernel Oops (kernel log in attachment) and the virtual node reports:

Starting DRBD resources: No response from the DRBD driver! Is the module loaded?

Error code 10943 unknown.

You should update the drbd userland tools.

With the same tools version (8.0.6) drbd works properly inside hardware node.

Anyone has been able to run drbd inside a virtual node?

> Jorge Cabello <jorge@aspl.es> writes:

>

> > I'm trying to use DRBD inside an OpenVz Virtual Node but I can't access
> > the kernel module from inside the node.

>

> [...]

>

> > I'm probably missing something, as I'm just starting to use these
> > tools, but I can't find what it is.

>

> You didn't mention using the vzctl tool to grant read/write permissions
> to the DRBD device anywhere in your notes. See the manual page for the
> 'devnodes' or 'devices' arguments.

>

> Regards,

> Daniel

```

stone kernel: CR2: 0000000000000016
Oct 17 13:13:56 stone kernel: Unable to handle kernel NULL pointer dereference at
0000000000000016 RIP:
Oct 17 13:13:56 stone kernel: [<ffffffff88026eed>] :drbd:drbd_nl_disk_conf+0x1dd/0x760
Oct 17 13:13:56 stone kernel: PGD 32789067 PUD 30abb067 PMD 0
Oct 17 13:13:56 stone kernel: Oops: 0000 [1]
Oct 17 13:13:56 stone kernel: CPU: 0
Oct 17 13:13:56 stone kernel: Modules linked in: drbd simfs vznetdev vzetdev vzdquota vzmon
vzdev bridge llc forcedeth
Oct 17 13:13:56 stone kernel: Pid: 161, comm: cqueue/0 Not tainted 2.6.20-ovz007 #2
Oct 17 13:13:56 stone kernel: RIP: 0060:<ffffffff88026eed> [<ffffffff88026eed>]
:drbd:drbd_nl_disk_conf+0x1dd/0x760
Oct 17 13:13:56 stone kernel: RSP: 0068:ffff810037c05d90 EFLAGS: 00010282
Oct 17 13:13:56 stone kernel: RAX: ffffffff80000000 RBX: ffff810036be4000 RCX: 00000000000000282
Oct 17 13:13:56 stone kernel: RDX: ffffffff80000000 RSI: ffffffff80281f00 RDI: ffff810030f96080
Oct 17 13:13:56 stone kernel: RBP: 0000000000000068 R08: 0000000000000001 R09:
0000000000000000
Oct 17 13:13:56 stone kernel: R10: 0000000000000000 R11: 00000000000000aa R12:
ffff8100316abe24
Oct 17 13:13:56 stone kernel: R13: ffff8100379459c0 R14: ffff8100379459c0 R15:
ffff8100354edb54
Oct 17 13:13:56 stone kernel: FS: 00002abf425ab6d0(0000) GS:ffff80597000(0000)
knlGS:0000000000000000
Oct 17 13:13:56 stone kernel: CS: 0060 DS: 0018 ES: 0018 CR0: 000000008005003b
Oct 17 13:13:56 stone kernel: CR2: 0000000000000016 CR3: 0000000030533000 CR4:
00000000000000e0
Oct 17 13:13:56 stone kernel: Process cqueue/0 (pid: 161, veid=0, threadinfo ffff810037c04000,
task ffff810037e55000)
Oct 17 13:13:56 stone kernel: Stack: 0000000000000000 0000000000000000 ffff8100316abe24
0000000000000030
Oct 17 13:13:56 stone kernel: ffff8100354edb40 ffff8100316abe24 ffff8100316abe10
ffff810036be4000
Oct 17 13:13:56 stone kernel: ffffffff8803e010 ffffffff880286cd ffff810037c05e60 ffff810031bca568
Oct 17 13:13:56 stone kernel: Call Trace:
Oct 17 13:13:56 stone kernel: [<ffffffff880286cd>] :drbd:drbd_connector_callback+0xfd/0x1a0
Oct 17 13:13:56 stone kernel: [<ffffffff80385ddc>] cn_queue_wrapper+0x1c/0x50
Oct 17 13:13:56 stone kernel: [<ffffffff80385dc0>] cn_queue_wrapper+0x0/0x50
Oct 17 13:13:56 stone kernel: [<ffffffff8023d504>] run_workqueue+0x94/0x130
Oct 17 13:13:56 stone kernel: [<ffffffff8023d6f8>] worker_thread+0x158/0x1a0
Oct 17 13:13:56 stone kernel: [<ffffffff80225e10>] default_wake_function+0x0/0x10
Oct 17 13:13:56 stone kernel: [<ffffffff80225e10>] default_wake_function+0x0/0x10
Oct 17 13:13:56 stone kernel: [<ffffffff8023d5a0>] worker_thread+0x0/0x1a0
Oct 17 13:13:56 stone kernel: [<ffffffff8023d5a0>] worker_thread+0x0/0x1a0
Oct 17 13:13:56 stone kernel: [<ffffffff802413ff>] kthread+0x8f/0xd0
Oct 17 13:13:56 stone kernel: [<ffffffff8020a428>] child_rip+0xa/0x12
Oct 17 13:13:56 stone kernel: [<ffffffff80241370>] kthread+0x0/0xd0
Oct 17 13:13:56 stone kernel: [<ffffffff8020a41e>] child_rip+0x0/0x12
Oct 17 13:13:56 stone kernel:

```

Oct 17 13:13:56 stone kernel:

Oct 17 13:13:56 stone kernel: Code: 48 8b 40 18 bd 6b 00 00 00 4c 8b 60 08 41 0f b7 84 24 b2 00

Oct 17 13:13:56 stone kernel: RIP [<ffffffff88026eed>] :drbd:drbd_nl_disk_conf+0x1dd/0x760

Oct 17 13:13:56 stone kernel: RSP <ffff810037c05d90>

Oct 17 13:13:56 stone kernel: CR2: 0000000000000016

File Attachments

1) [oops.txt](#), downloaded 453 times
