
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 dont 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 updated 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:

>

> > 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

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: [<ffffff88026eed>] :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:<ffffff88026eed> [<ffffff88026eed>]
: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: 0000000000000282
Oct 17 13:13:56 stone kernel: RDX: ffffffff80000000 RSI: fffffff80281f000 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:ffffff80597000(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: 000000000000006e0
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: fffffff8803e010 fffffff880286cd ffff810037c05e60 ffff810031bca568
Oct 17 13:13:56 stone kernel: Call Trace:
Oct 17 13:13:56 stone kernel: [<ffffff880286cd>] :drbd:drbd_connector_callback+0xfd/0x1a0
Oct 17 13:13:56 stone kernel: [<ffffff80385ddc>] cn_queue_wrapper+0x1c/0x50
Oct 17 13:13:56 stone kernel: [<ffffff80385dc0>] cn_queue_wrapper+0x0/0x50
Oct 17 13:13:56 stone kernel: [<ffffff8023d504>] run_workqueue+0x94/0x130
Oct 17 13:13:56 stone kernel: [<ffffff8023d6f8>] worker_thread+0x158/0x1a0
Oct 17 13:13:56 stone kernel: [<ffffff80225e10>] default_wake_function+0x0/0x10
Oct 17 13:13:56 stone kernel: [<ffffff80225e10>] default_wake_function+0x0/0x10
Oct 17 13:13:56 stone kernel: [<ffffff8023d5a0>] worker_thread+0x0/0x1a0
Oct 17 13:13:56 stone kernel: [<ffffff8023d5a0>] worker_thread+0x0/0x1a0
Oct 17 13:13:56 stone kernel: [<ffffff802413ff>] kthread+0x8f/0xd0
Oct 17 13:13:56 stone kernel: [<ffffff8020a428>] child_rip+0xa/0x12
Oct 17 13:13:56 stone kernel: [<ffffff80241370>] kthread+0x0/0xd0
Oct 17 13:13:56 stone kernel: [<ffffff8020a41e>] 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 [<ffffff88026eed>] :drbd:drbd_nl_disk_conf+0x1dd/0x760
Oct 17 13:13:56 stone kernel: RSP <fff810037c05d90>
Oct 17 13:13:56 stone kernel: CR2: 0000000000000016

File Attachments

1) [oops.txt](#), downloaded 443 times
