
Subject: drbd 0.8 and 2.6.18-028test015

Posted by [pshempel](#) on Fri, 23 Feb 2007 13:00:15 GMT

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I am attempting to compile the drbd sources with kernel headers from <http://debian.systs.org/>.

I am using 2.6.18 AMD64 on Debian etch. I have done clean compiles of the drbd 0.8 on xen as well as virtual server and xen sources without any problems.

I run into a rather strange error that seems to be due to how drbd is setup to get some of its values.

Here is the abbreviated output I get

<cut>

```
/usr/bin/make -C /usr/src/linux SUBDIRS=/usr/src/modules/drbd/drbd modules
make[2]: Entering directory `/usr/src/linux-headers-2.6.18-028test015.1+40-ovz-smp'
  CC [M] /usr/src/modules/drbd/drbd/drbd_buildtag.o
  CC [M] /usr/src/modules/drbd/drbd/drbd_bitmap.o
In file included from /usr/src/modules/drbd/drbd/drbd_bitmap.c:34:
/usr/src/modules/drbd/drbd/drbd_int.h:492: error: 'EXT_UUID_SIZE' undeclared here (not in a
function)
/usr/src/modules/drbd/drbd/drbd_int.h:732: error: 'UUID_SIZE' undeclared here (not in a function)
In file included from /usr/src/modules/drbd/drbd/drbd_int.h:752,
      from /usr/src/modules/drbd/drbd/drbd_bitmap.c:34:
/usr/src/modules/drbd/drbd/linux/drbd_nl.h:32: error: 'SHARED_SECRET_MAX' undeclared here
(not in a function)
In file included from /usr/src/modules/drbd/drbd/drbd_bitmap.c:34:
/usr/src/modules/drbd/drbd/drbd_int.h:790: error: expected specifier-qualifier-list before
'drbd_state_t'
/usr/src/modules/drbd/drbd/drbd_int.h: In function 'mdev_to_minor':
/usr/src/modules/drbd/drbd/drbd_int.h:874: error: 'drbd_dev' has no member named 'minor'
<cut>
```

From what I can see, comparing my experiences with compiling this , something is very different in the openvz kernel compared to any of the other vz type systems UML/Xen/Virtual Server, because I have made this compile on all of them.

If someone could point me into the right direction to get this to work I would appreciate it.

Thanks

Philip

File Attachments

1) [nohup.out](#), downloaded 336 times

Subject: Re: drbd 0.8 and 2.6.18-028test015
Posted by [curx](#) on Fri, 23 Feb 2007 23:02:30 GMT
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Hi Philip,

You should build a own kernel, the debian kernel images & headers at debian.systs.org based on OpenVZ kernel-configs, but for drbd0.8 you need two additional kernel-options:

CONFIG_CONNECTOR=m
(-> DEVICE DRIVER -> CONNECTOR)

CONFIG_CRYPTOHMAC=y
(-> Cryptographic options -> HMAC support)

Regards,
Thorsten

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tsd@debian.systs.org

Subject: Re: drbd 0.8 and 2.6.18-028test015
Posted by [pshempel](#) on Mon, 26 Feb 2007 17:17:12 GMT
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Is there any reason as to why these options are not built into this kernel?

The Debian kernels official and unofficial usually come with all the knobs turned on if possible, unless an option could cause problems for most people, is this the same reasoning?

Thanks

Philip

Subject: Re: drbd 0.8 and 2.6.18-028test015
Posted by [curx](#) on Mon, 26 Feb 2007 17:26:08 GMT
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Hi Philip,

please read http://bugzilla.openvz.org/show_bug.cgi?id=474
