
Subject: openvz kernel 2.6.32 OFED Compile error
Posted by [ibdan](#) on Wed, 30 Nov 2011 04:55:49 GMT
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Hi All,

I'm trying to install the latest MLNX OFED infiniband drivers for centos 6. Where I'm having problems is I'm running OpenVZ kernel 2.6.32-042stab039.11. This means that I'm installing from src with the `mlnx_add_kernel_support.sh` script which worked great for openvz2.6.18 (el5 based) kernel but gives a compile error for 2.6.32 (el6) based. Just to make sure this wasn't something specific to mlnx the driver I downloaded the latest OFED 1.5.3.2 src from OFA website and when running the `install.pl` the compile is breaking at the same place.

Note without the openvz kernel the driver software installs without error

Any help on this would be great as I don't have the programming skills to troubleshoot the code, see error below:

```
-I/usr/src/kernels/2.6.32-042stab039.11/arch/x86/include \  
-D__KERNEL__ -Wall -Wundef -Wstrict-prototypes -Wno-trigraphs -fno-  
strict-aliasing -fno-common -Werror-implicit-function-declaration -Wno-  
format-security -fno-delete-null-pointer-checks -O2 -m64 -  
mtune=generic -mno-red-zone -mcmodel=kernel -funit-at-a-time -  
maccumulate-outgoing-args -fstack-protector -DCONFIG_AS_CFI=1 -  
DCONFIG_AS_CFI_SIGNAL_FRAME=1 -pipe -Wno-sign-compare -fno-  
asynchronous-unwind-tables -mno-sse -mno-mmx -mno-sse2 -mno-3dnow -fno-  
omit-frame-pointer -fno-optimize-sibling-calls -g -pg -Wdeclaration-  
after-statement -Wno-pointer-sign -DMODULE -D"KBUILD_STR(s)=#s" -  
D"KBUILD_BASENAME=KBUILD_STR(verbs_main)" -  
D"KBUILD_MODNAME=KBUILD_STR(ib_verbs)" -D"DEBUG_HASH=59" -  
D"DEBUG_HASH2=16" -c -  
o /tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-  
1.5.3/drivers/infiniband/core/.tmp_verbs_main.o /tmp/mlnx_iso.21773/OF  
ED_topdir/BUILD/ofa_kernel-1.5.3/drivers/infiniband/core/verbs_main.c  
/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-  
1.5.3/drivers/infiniband/core/verbs_main.c: In  
function 'ib_verbs_alloc_event_file':  
/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-  
1.5.3/drivers/infiniband/core/verbs_main.c:561: warning: passing  
argument 1 of 'alloc_file' from incompatible pointer type  
/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-  
1.5.3/drivers/infiniband/core/verbs_main.c:561: warning: passing  
argument 2 of 'alloc_file' makes integer from pointer without a cast  
/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-  
1.5.3/drivers/infiniband/core/verbs_main.c:561: warning: passing
```

```
argument 3 of 'alloc_file' makes pointer from integer without a cast
/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-
1.5.3/drivers/infiniband/core/uverbs_main.c:561: error: too many
arguments to function 'alloc_file'
make[4]: *** [/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-
1.5.3/drivers/infiniband/core/uverbs_main.o] Error 1
make[3]: *** [/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-
1.5.3/drivers/infiniband/core] Error 2
make[2]: *** [/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-
1.5.3/drivers/infiniband] Error 2
make[1]: *** [_module_/tmp/mlnx_iso.21773/OFED_topdir/BUILD/ofa_kernel-
1.5.3] Error 2
make[1]: Leaving directory `/usr/src/kernels/2.6.32-042stab039.11'
make: *** [kernel] Error 2
error: Bad exit status from /var/tmp/rpm-tmp.wc64zh (%build)
```

RPM build errors:

```
user vlad does not exist - using root
group libuuid does not exist - using root
user vlad does not exist - using root
group libuuid does not exist - using root
line 117: prereq is deprecated: PreReq: coreutils
line 118: prereq is deprecated: PreReq: kernel
line 119: prereq is deprecated: Prereq: pciutils
line 120: prereq is deprecated: Prereq: grep
line 121: prereq is deprecated: Prereq: perl
line 122: prereq is deprecated: Prereq: procps
line 123: prereq is deprecated: Prereq: module-init-tools
line 132: prereq is deprecated: PreReq: coreutils
line 133: prereq is deprecated: PreReq: kernel
line 134: prereq is deprecated: Prereq: pciutils
Bad exit status from /var/tmp/rpm-tmp.wc64zh (%build)
```

regards ibdan
