
Subject: Intel e1000e driver for 2.6.18-ovz
Posted by [maxh](#) on Thu, 06 May 2010 14:41:31 GMT
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Hi guys. I heard that the standard e1000e driver from the 2.6.18 kernel has some problems. So I downloaded the newest and the 2nd-newest driver from Intel.com and installed the header-files for Thorstens Kernel.

Both intel-versions fail during compilation like this:
server02:/usr/src/e1000e-1.1.2.1a/src# make install
make -C /usr/src/linux SUBDIRS=/usr/src/e1000e-1.1.2.1a/src modules
make[1]: Entering directory `/usr/src/linux-headers-2.6.18-20-ovz-amd64'

WARNING: Symbol version dump /usr/src/linux-headers-2.6.18-20-ovz-amd64/Module.symvers is missing; modules will have no dependencies and modversions.

CC [M] /usr/src/e1000e-1.1.2.1a/src/netdev.o
In file included from /usr/src/e1000e-1.1.2.1a/src/e1000.h:39,
from /usr/src/e1000e-1.1.2.1a/src/netdev.c:51:
/usr/src/e1000e-1.1.2.1a/src/kcompat.h:1411: error: redefinition of typedef `irq_handler_t`
include/linux/interrupt.h:67: error: previous declaration of `irq_handler_t` was here
make[2]: *** [/usr/src/e1000e-1.1.2.1a/src/netdev.o] Fehler 1
make[1]: *** [_module_/usr/src/e1000e-1.1.2.1a/src] Fehler 2
make[1]: Leaving directory `/usr/src/linux-headers-2.6.18-20-ovz-amd64'
make: *** [default] Fehler 2

I have the feeling that there's some problem with the kcompat.h
I wanted to compile the 2.6.18 myself and it stopped due to the exact same file. That's why I used the kernel
by Thorsten Schifferdecker <tsd@debian.sysys.org> <http://download.openvz.org/debian-sysys>

Any idea how to fix that?

Thank you!

Subject: Re: Intel e1000e driver for 2.6.18-ovz
Posted by [maratrus](#) on Fri, 07 May 2010 12:59:49 GMT
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Hello,

as you may notice the compiler complains about redefinition of `irq_handler_t`. This type has already been defined in `include/linux/interrupt.h` but the driver contains redundant definition in `/usr/src/e1000e-1.1.2.1a/src/kcompat.h`. So you have properly avoid such a coincidence. Look carefully why `kcompat.h` contains such a definition. It might be `"#ifdef"` constructions or something else.
