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Subject: Unable to load kernel module

Posted by [siraj](#) on Tue, 08 Sep 2009 16:38:40 GMT

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Hi

I am using ubuntu 8.04 with kernel 2.6.24 server. The NIC (Intel PRO/1000 quad port PT server adapter) is working properly here and shows all four Interfaces. The driver modules are also loaded correctly

```
#lsmod | grep e1000
```

```
output:
```

```
e1000
```

```
e1000e
```

But when i installed openvz virtualization setup . openvz uses a kernel based on kernel 2.6.18. In openvz environment this NIC is not detected.

```
#uname -r
```

```
2.6.18-14-ovz-amd-smp
```

```
#lsmod | grep e1000
```

```
output:
```

```
e1000
```

here it only showed e1000. And e1000e did not exists which was required driver for this card,i installed it explicitly. it installed successfull and e1000e.ko had been created. Now when i tried to load this module.It threw an error.

```
#modprobe e1000e
```

```
-----  
output:
```

```
e1000e: version magic '2.6.18-14-ovz-amd64-smp SMP mod_unload gcc-4.2' should be  
'2.6.18-14-ovz-amd64-smp SMP mod_unload gcc-4.1'
```

```
FATAL:Error inserting e1000e (/lib/modules/2.6.18-14-ovz-amd64-smp/kernel/drivers/net/e1000e/e1000e.ko): Invalid module format
```

```
-----  
gcc information: (the following gcc packages are installed on my machine)
```

```
#dpkg --get-selections |grep gcc
```

```
gcc install
```

```
gcc-3.4 install
```

```
gcc-3.4-base install
```

```
gcc-4.1 install
```

```
gcc-4.2 install
```

```
gcc-4.2-base install
```

```
libgcc1 install
```

```
-----  
Can any body suggest how to handle this problem.
```

Thanks & Regards  
Siraj Rathore

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Subject: Re: Unable to load kernel module  
Posted by [maratrus](#) on Fri, 11 Sep 2009 13:39:14 GMT  
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As it is stated in the error message,  
the kernel binary was compiled with gcc-4.1 but the external module that you're going to insert  
with help of gcc-4.2.  
So, you can use either "-f" or compile with gcc-4.1 or switch to another OpenVZ kernel.  
<http://download.openvz.org/kernel/branches/2.6.24/current/>

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Subject: Re: Unable to load kernel module  
Posted by [siraj](#) on Sat, 12 Sep 2009 22:31:20 GMT  
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Thanks! problem has been solved by using  
`#modprobe -f e1000e`

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