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

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/

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