## Forum: CentOS 5 - Networking Support

**Topic: CentOS 5.3 nvidia nForce network bugs, kernel panics (forcedeth, MCP67)**

**Subject: Re: CentOS 5.3 nvidia nForce network bugs, kernel panics (forcedeth, MCP67)**

Posted by: paix

Posted on: 2009/8/26 12:57:00

Just in case it's may be interesting.

Driver from elrepo works normal.
The system was freezed under a stress tests, but in normal mode it works.

Updating the driver in case a custom kernel. ( Openvz kernel in my case.)

# uname -r 2.6.18-128.1.1.el5.028stab062.3  yum update shutdown -r now

The system boots and works via standart forcedeth driver:
forcedeth.c: Reverse Engineered nForce ethernet driver. Version 0.60.

Then login to the system and rebuild the forcedeth driver:
# uname -r 2.6.18-128.2.1.el5.028stab064.4

I've wrote a simple script to updating..:

#!/bin/sh # script for updating centos custom nve driver  drv="forcedeth" link=`curl http://elrepo.org/linux/elrepo/el5/SRPMS/ 2>/dev/null | grep $drv`  drvver=`echo $link |  awk -F" '{print $2}'` echo $drvver  if [ !  -f $drvver ]; then  wget http://elrepo.org/linux/elrepo/el5/SRPMS/$drvver  echo fi  #mock -r centos-5-x86_64  --no-clean --rebuild $drvver mock -r centos-5-x86_64 --debug --no-clean  --rebuild $drvver

this scripts download latest forcedeth driver from elrepo and rebuild them.

Installing the driver:
rpm -Uvh /vz/root/1000/var/lib/mock/centos-5-x86_64/result/kmod-forcedeth-0.62-1.25.2.el5.elrepo.x86_64.rpm

Note: I've built the driver in VE (Virtual Environment), but install it on the HN (Hardware Node)

Load the new driver and restart the network:
modprobe -r forcedeth; service network restart

dmesg:
ACPI: PCI interrupt for device 0000:00:0a.0 disabled forcedeth.c: Reverse Engineered nForce ethernet driver. Version 0.62-Driver Package V1.25. PCI: Enabling device 0000:00:0a.0 (0000 -> 0003) ACPI: PCI Interrupt 0000:00:0a.0[A] -> Link [LMAC] -> GSI 10 (level, low) -> IRQ 10 PCI:

Setting latency timer of device 0000:00:0a.0 to 64 forcedeth: using HIGHDMA eth0: forcedeth.c: subsystem: 01043:82b3 bound to 0000:00:0a.0 ADDRCONF(NETDEV_UP): eth0: link is not ready eth0: link up. ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready

PS. thanks to Alan and the elrepo team!