

## **RH4.0 AS/ES/WS Update 4 In-kernel Driver Install Procedure Using Promise SuperTrak as Non Boot Device (Kernel 2.6.9-42.EL)**

**Step 1.** Log in as root to the respective kernel (UP or SMP.. etcetera)

Note: The below references to <2.6.9-42.ELsmp> is just an example. Your kernel maybe UP, Hugesmem, SMP etcetera.. On Step 5, "Updating the kernel ramdisk" the user may choose to update the ramdisk without having to boot into each respective kernel.

**Step 2.** cd into:

```
/lib/modules/2.6.9-42.ELsmp /kernel/drivers/scsi/  
In this directory you will find the Promise module (stex.ko)
```

**Step 3.** from /lib/modules/2.6.9-42.ELsmp/kernel/drivers/scsi/  
Type the following: modprobe sd\_mod followed by insmod stex.ko

**Step 4.** Editing /etc/modprobe.conf. Using a text editor apply the following line: "alias scsi\_hostadapter stex" (without "")

```
Example: vi /etc/modprobe.conf  
alias eth0 e1000  
alias eth1 e1000  
alias scsi_hostadapter1 ata_piix  
alias usb-controller ehci-hcd  
alias usb-controller1 uhci-hcd  
alias scsi_hostadapter2 qla4xxx  
alias scsi_hostadapter stex  
~  
~  
~  
~  
"/etc/modprobe.conf" 7L, 188C
```

**Step 5.** Updating the kernel ramdisk type the following:  
/sbin/mkinitrd -v -f /boot/init-2.6.9-42.ELsmp.img 2.6.9-42.ELsmp

**Step 6.** Hit the Enter key on your keyboard.

**Step 7.** Reboot and boot into your respective kernel. The driver will load automatically.

## **RH4.0 AS/ES/WS Update 4 In-kernel Driver Install Procedure Using Promise SuperTrak as Boot Device (Kernel 2.6.9-42.EL)**

**Step 1.** Visit the Promise website:

[http://www.promise.com/support/download/download\\_eng.asp](http://www.promise.com/support/download/download_eng.asp)

Download the RH4.0 AS/ES/WS Update 4 driver install disk

**Step 2.** Open the driver install disk. Follow the read me instructions on how to create a Linux Driver Disk (linux dd) The Instructions will read as follows:

1.2 How to make floppy

1.2.1 On DOS-based PC:

Running "rawrite.exe" and according to prompt to extract image file to floppy.

1.2.2 On UNIX/LINUX-based PC:

Run Command:

```
"dd if=<imagefilename> of=<floppydevicename> bs=10k"
```

This will copy the driver image to the floppy

Note:

The <imagefilename> is the disk image file name that you want to copy. <floppydevicename> is the floppy device name, on Linux Host. The device name should be "/dev/fd0"

**Step 3.** Once the driver install disk has been created proceed with your installation of Red Hat 4.0 AS/ES/WS. Booting from CD or DVD at boot prompt type: linux dd

When prompted for the Promise Driver install Disk, insert the Floppy into your floppy drive and load the Promise driver.

**Step 4.** Proceed with your installation as you would normally