

## CONFIGURATION DE LA BAIE « [Compaq StorageWorks Raid Array 4100 SAN](#) »

avec

OS : LINUX REDHAT AS 3.0 - Kernel 2.4.21-4EL ou plus

SERVERS CLUSTERS : 2 x (Compaq DL 580 - 4 Proc - 8GB de RAM)

### ➤ **Auteurs :**

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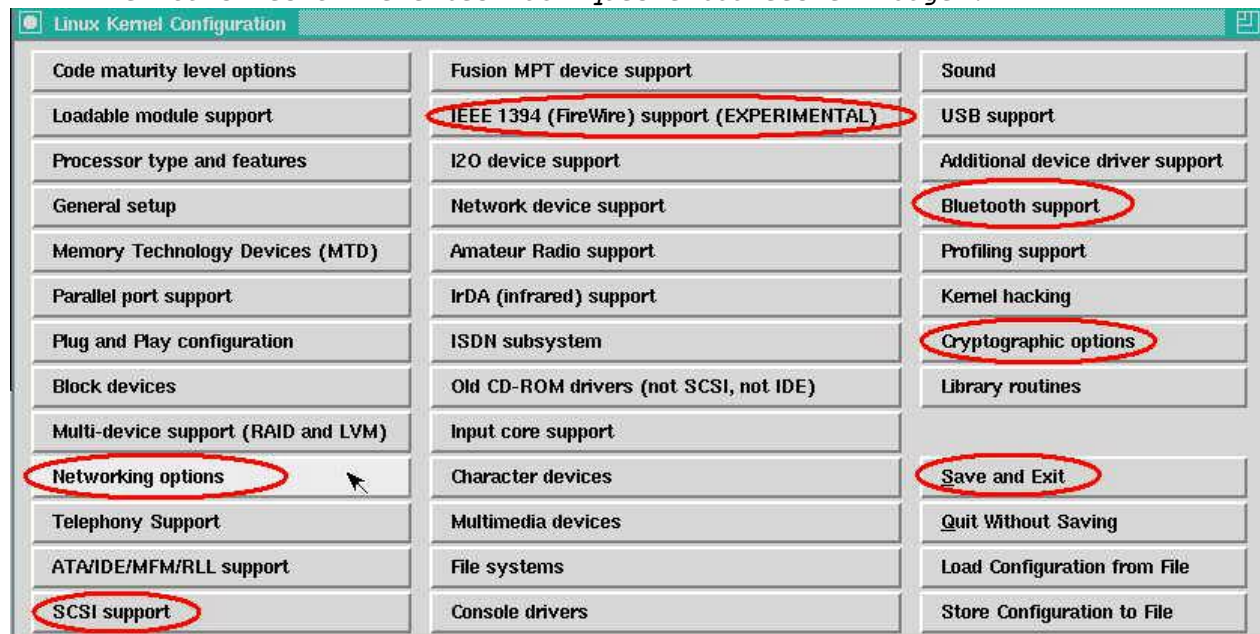
### ➤ **Date :** le 16 juin 2004

### ➤ **Constat :** le driver « **cpqfc** » permettant la reconnaissance de la baie Compaq RA4100, n'a pas été intégré avec le kernel Redhat AS 3.0 fourni en standard. Ce driver est cependant intégré avec le Kernel standard fourni avec RedHat AS 2.1

### ➤ **Démarche :** Pour utiliser cette baie RA4100 avec Redhat 3.0, nous allons paramétrer, puis recompiler le noyau pour disposer d'une version personnalisée.

```
[root@cpqclin01 root]# cd /usr/src/linux-2.4
[root@cpqclin01 linux-2.4]# make clean
[root@cpqclin01 linux-2.4]# make mrproper
[root@cpqclin01 linux-2.4]# cd configs/
[root@cpqclin01 configs]# cp kernel-2.4.21-i686-smp.config ../../config
[root@cpqclin01 configs]# cd ..
[root@cpqclin01 linux-2.4]# xhost +
access control disabled, clients can connect from any host
[root@cpqclin01 linux-2.4]# vi Makeconfig
>>> Renommer la valeur de EXTRAVERSION différemment, avant chaque nouvelle
recompilation de noyau, par exemple :
EXTRAVERSION = -4.ELpersol
EXTRAVERSION = -4.ELcustom1
[root@cpqclin01 linux-2.4]# make xconfig
```

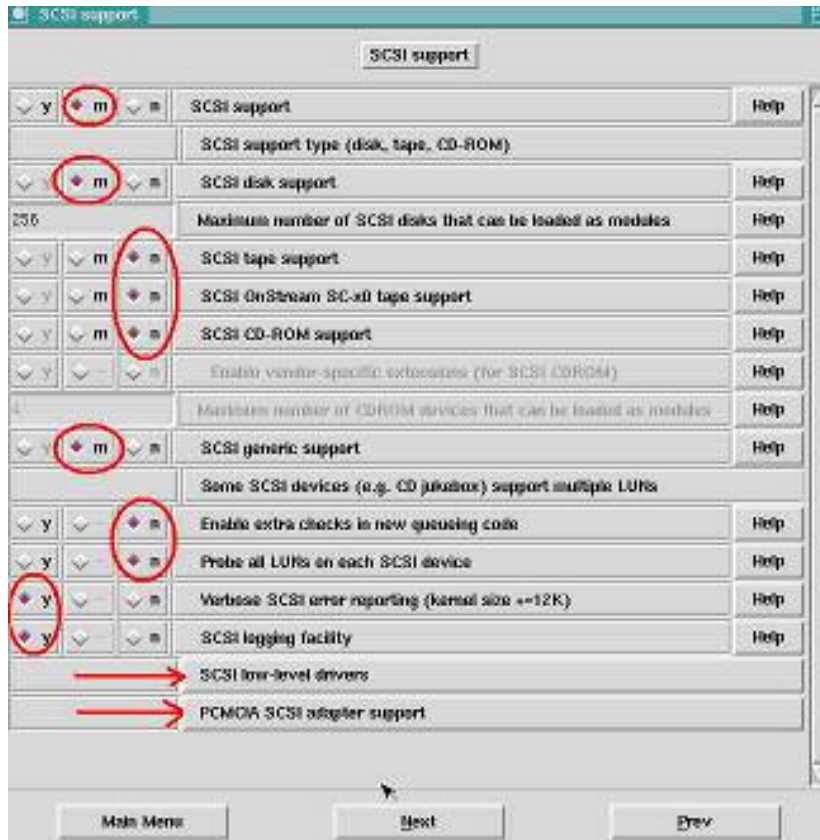
>>> Aller dans les différentes rubriques entourées en rouge :



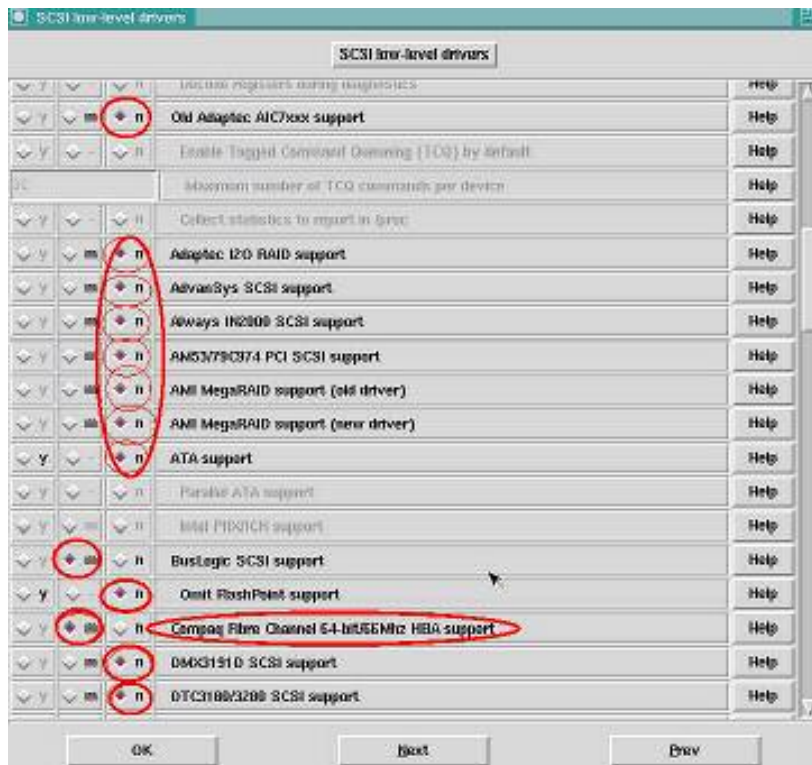
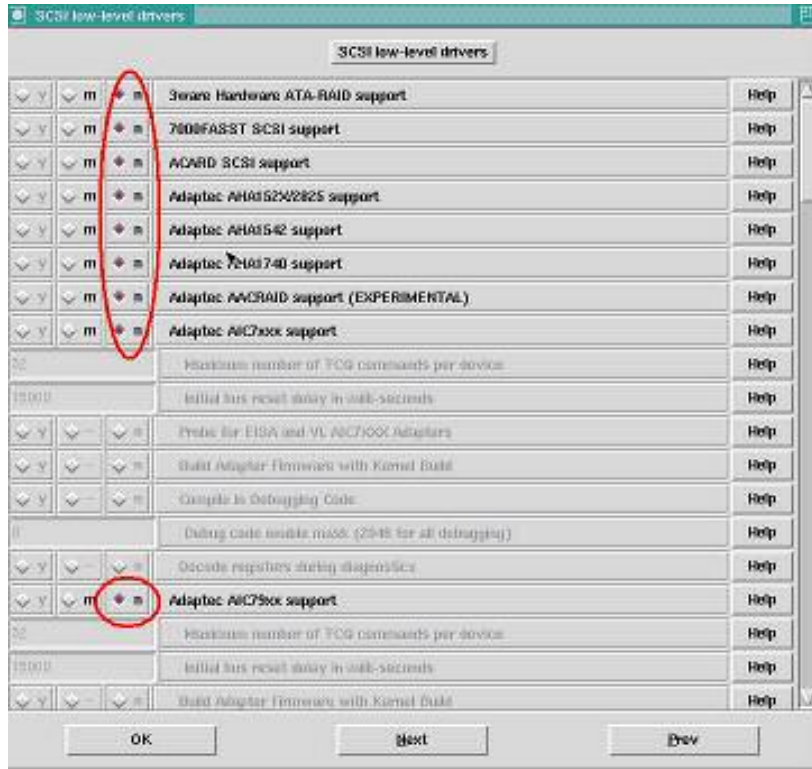
>>> NETWORKING OPTIONS :

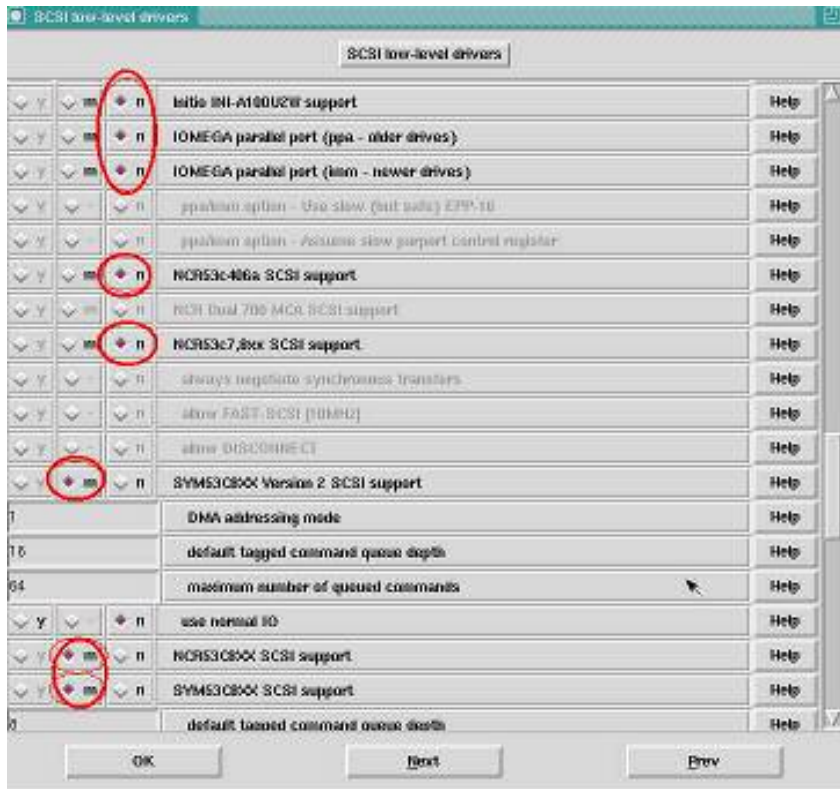
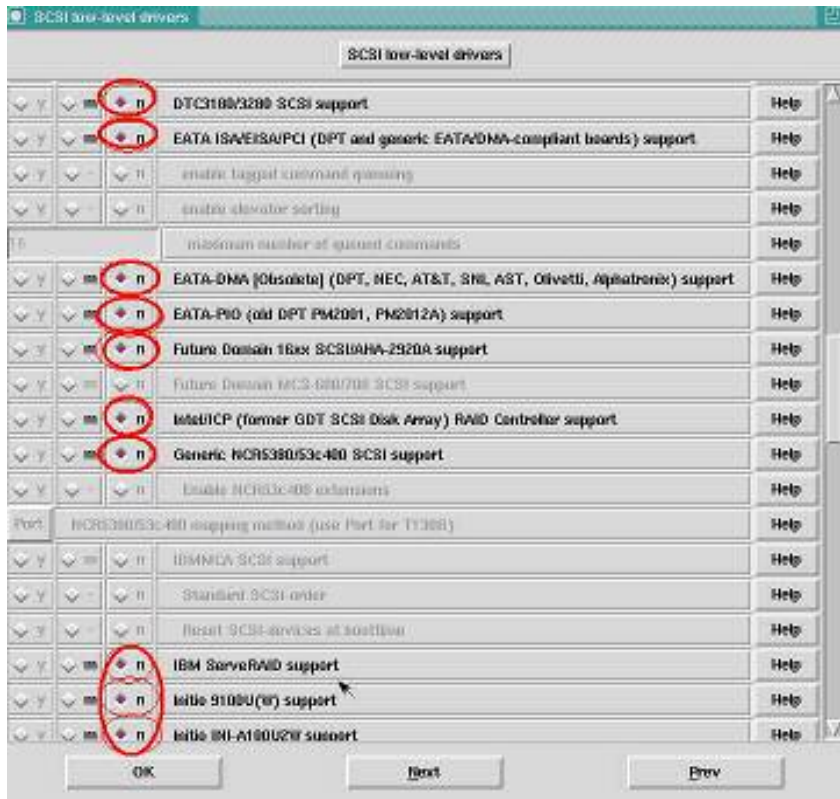


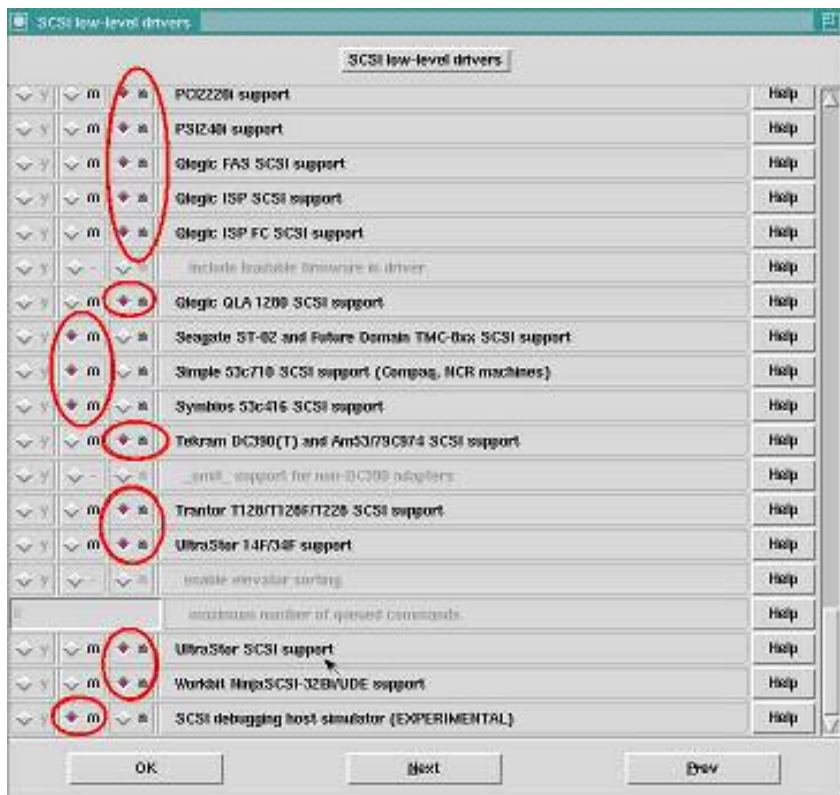
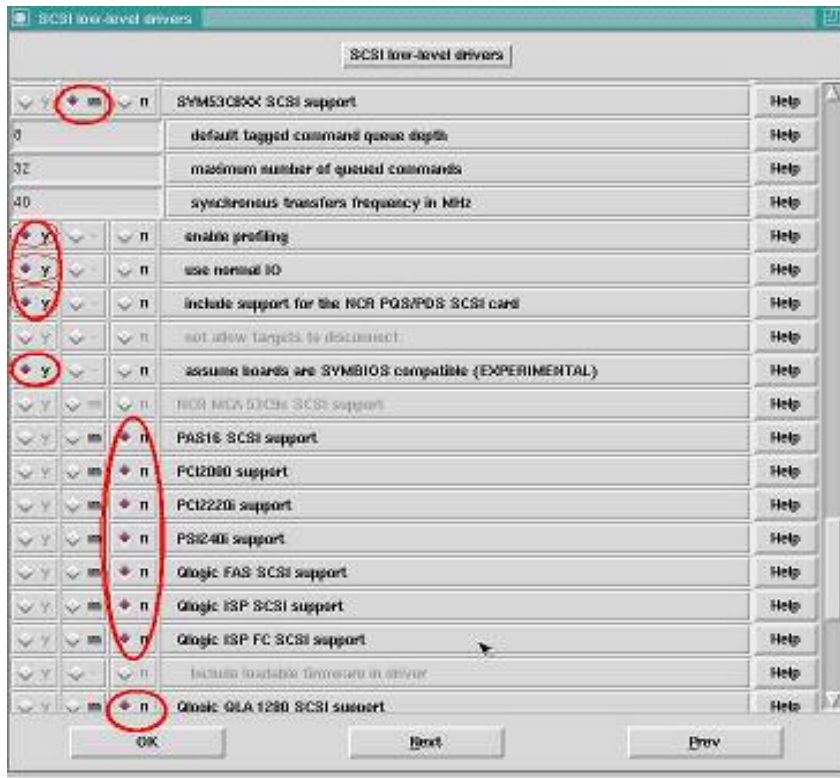
>>> SCSI SUPPORT :



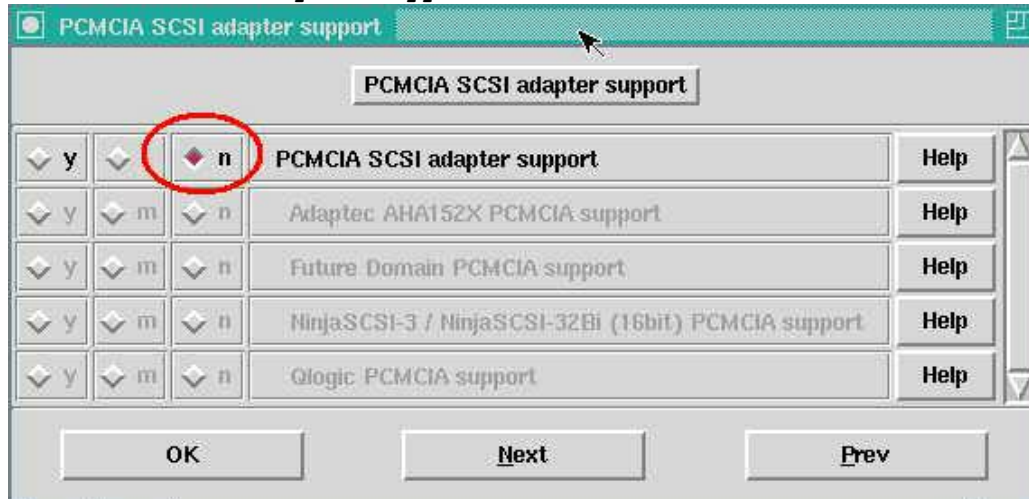
>>> SCSI LOW-LEVEL DRIVERS :



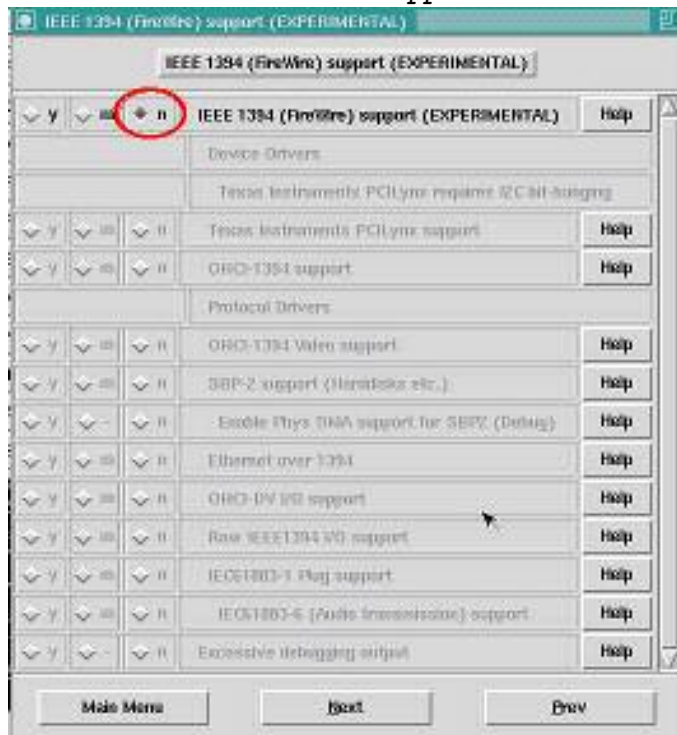




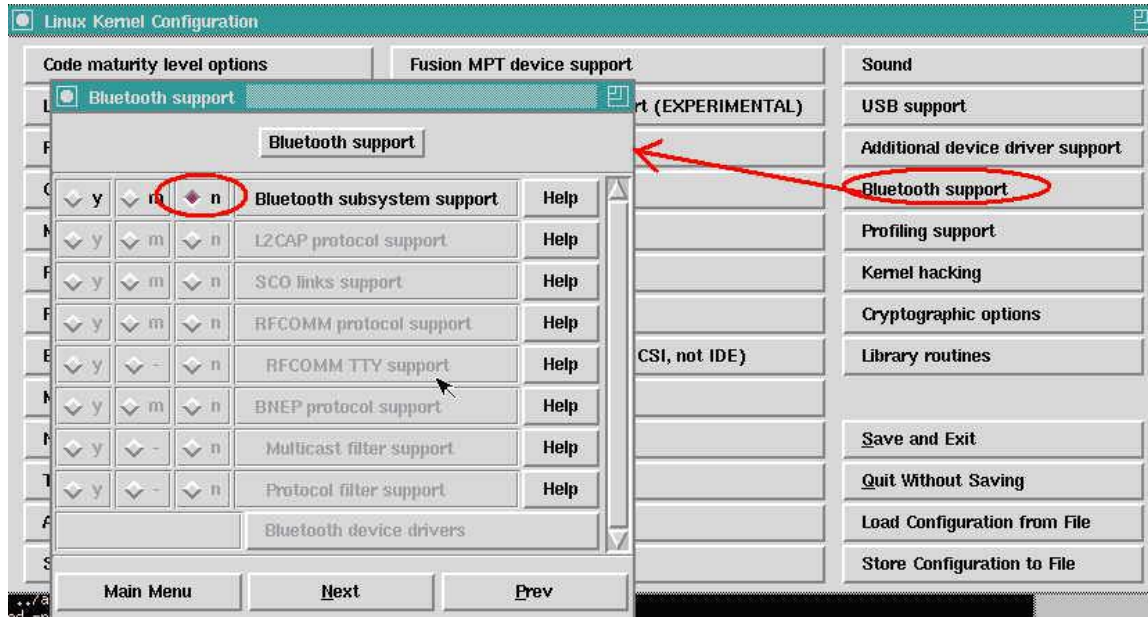
>>> PCMCIA SCSI adapter support :



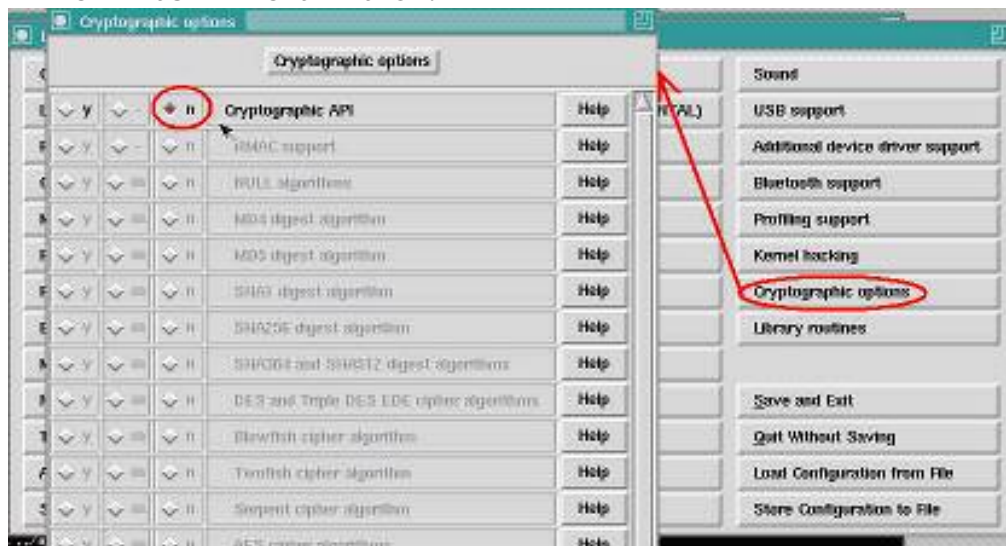
>>> IEEE 1394 Firewire support :



>>> **BLUETOOTH SUPPORT :**



>>> **CRYPTOGRAPHIC OPTIONS :**



>>> **Puis clicker sur ... Save and Exit**

```
[root@cpqclin01 linux-2.4]# make dep
[root@cpqclin01 linux-2.4]# make bzImage
[root@cpqclin01 linux-2.4]# make modules
[root@cpqclin01 linux-2.4]# make modules_install
[root@cpqclin01 linux-2.4]# make install
[root@cpqclin01 linux-2.4]# vi /etc/modules.conf
alias eth0 e100
alias eth1 e100
alias eth2 e1000
alias scsi_hostadapter cpqarray
alias scsi_hostadapter2 cpqfc

[root@cpqclin01 linux-2.4]# cd /boot

[root@cpqclin01 boot]# mv initrd-2.4.21-4.ELpersol.img initrd-2.4.21-4.ELpersol.img.sav
```

```
[root@cpqclin01 boot]# mkinitrd initrd-2.4.21-4.ELpersol.img 2.4.21-4.ELpersol
```

```
[root@cpqclin01 boot]# vi /etc/grub.conf
```

```
# grub.conf generated by anaconda
```

```
#
```

```
# Note that you do not have to rerun grub after making changes to this file
```

```
# NOTICE: You have a /boot partition. This means that
```

```
# all kernel and initrd paths are relative to /boot/, eg.
```

```
# root (hd0,0)
```

```
# kernel /vmlinuz-version ro root=/dev/ida/c0d0p3
```

```
# initrd /initrd-version.img
```

```
#boot=/dev/ida/c0d0
```

```
default=0
```

```
timeout=10
```

```
splashimage=(hd0,0)/grub/splash.xpm.gz
```

```
title Red Hat Enterprise Linux AS (2.4.21-4.ELpersol)
```

```
root (hd0,0)
```

```
kernel /vmlinuz-2.4.21-4.ELpersol ro root=LABEL=
```

```
initrd /initrd-2.4.21-4.ELpersol.img
```

```
title Red Hat Enterprise Linux AS (2.4.21-4.ELsmp)
```

```
root (hd0,0)
```

```
kernel /vmlinuz-2.4.21-4.ELsmp ro root=LABEL=
```

```
initrd /initrd-2.4.21-4.ELsmp.img
```

```
title Red Hat Enterprise Linux AS-up (2.4.21-4.EL)
```

```
root (hd0,0)
```

```
kernel /vmlinuz-2.4.21-4.EL ro root=LABEL=
```

```
initrd /initrd-2.4.21-4.EL.img
```

```
[root@cpqclin02 etc]# init 6
```