

How to restore a NSP CF-Card with Knoppix

Knoppix is a free LINUX distribution, which can be booted from a CD-ROM

To download the current version visit: <http://www.knopper.net>

The available .ISO file can be burned on CD-ROM with nearly every CD burning program, such as NERO or CD-Burner XP.

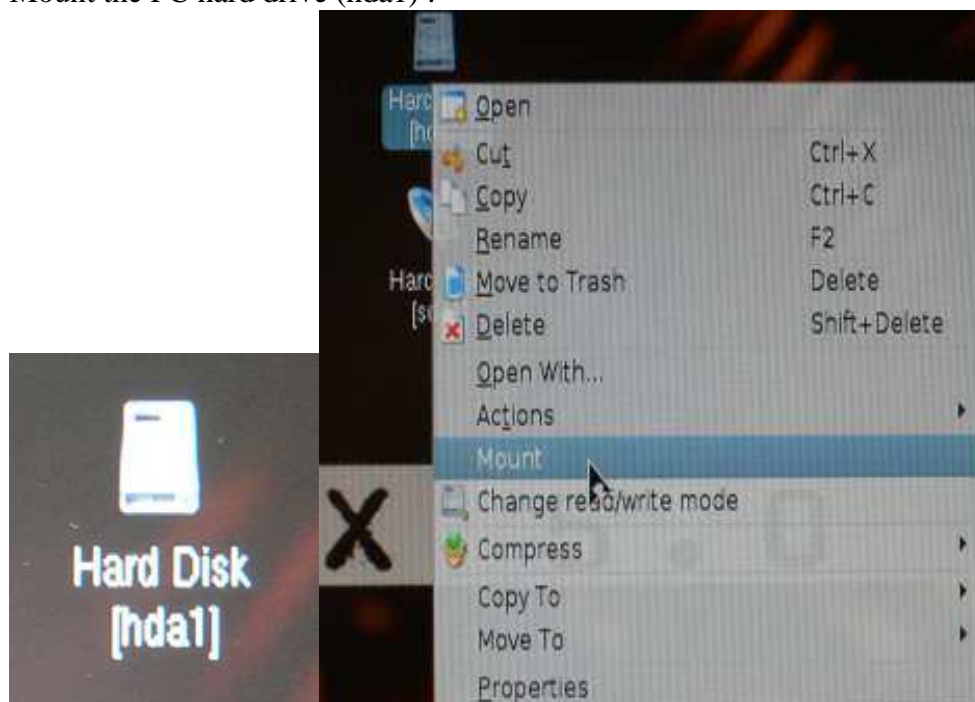
Needed Tools :

- USB Card reader
- A working NSP CF-Card (to create an image file)

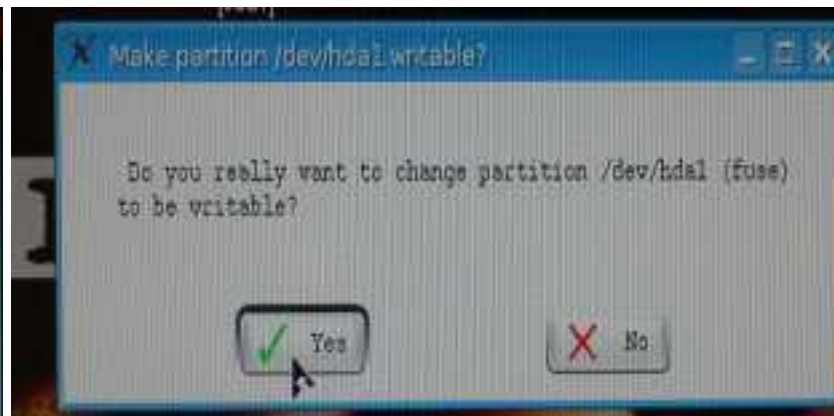
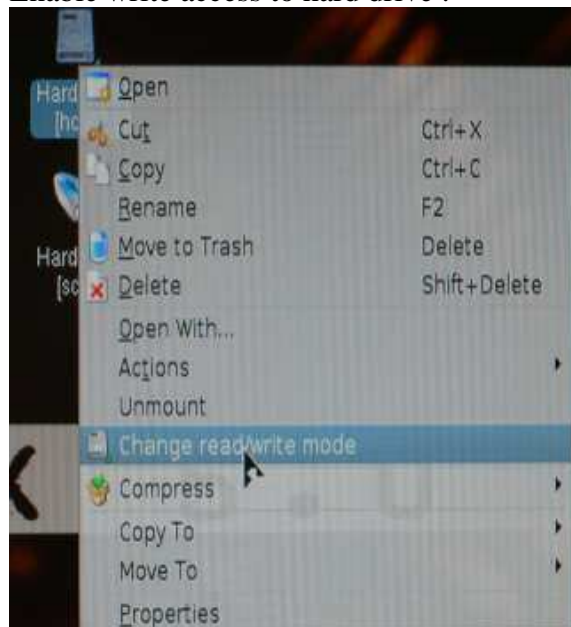
Create an image file :

Boot up your computer with KNOPPIX

Mount the PC hard drive (hda1) :



Enable write access to hard drive :



Plug the USB card reader with the CF-Card to your Computer. KNOPPIX will mount the drive as sda1 :



Open Shell :



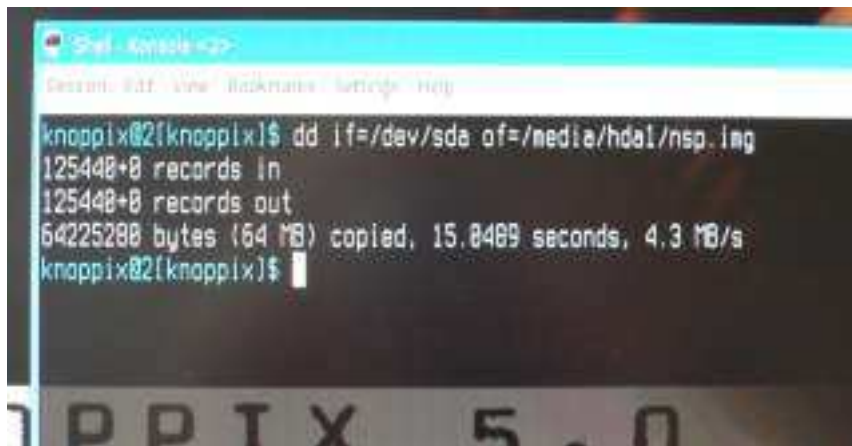
Type in the following command :

```
dd if=/dev/sda of=/media/hda1/nsp.img
```

dd = disk dump

if = input file (source)

of = output file (target)



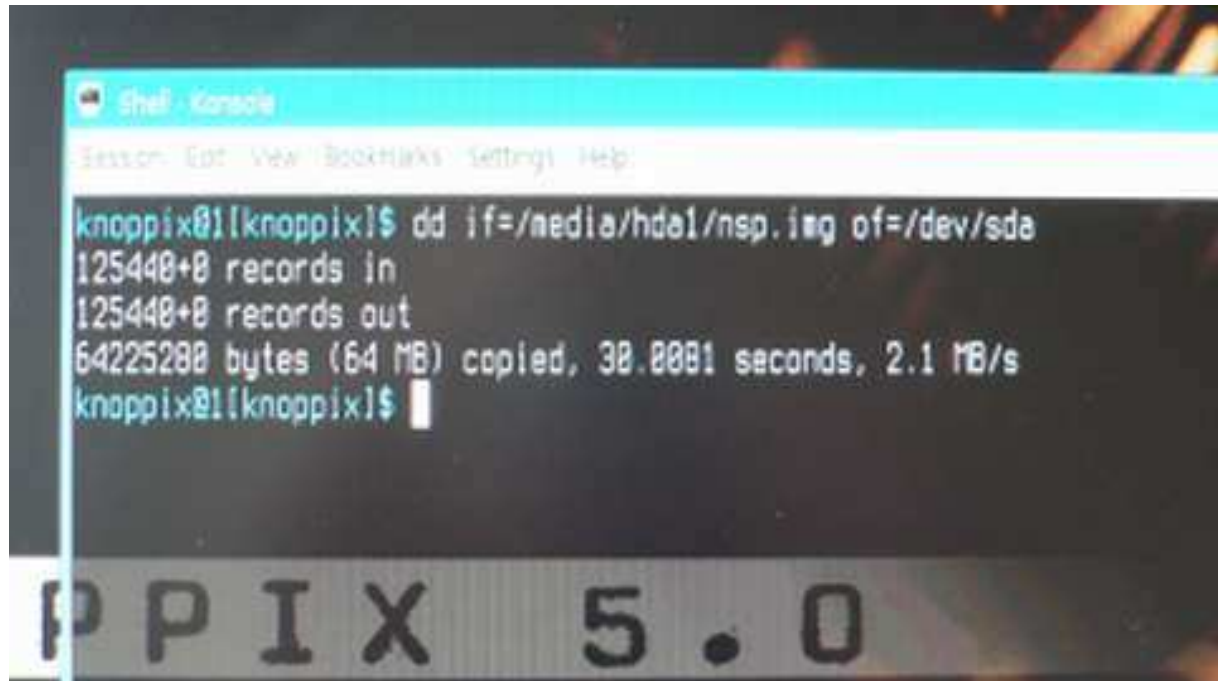
This procedure can take up to one minute for some reason.

Restore / Repair a NSP CF-Card

Open shell

Type in the following command :

```
dd if=/media/hda1/nsp.img of=/dev/sda
```

A screenshot of a terminal window titled "Shell - Konsole". The terminal shows the execution of the command `dd if=/media/hda1/nsp.img of=/dev/sda`. The output indicates that 125440+0 records were copied, totaling 64225280 bytes (64 MB) at a speed of 2.1 MB/s, taking 30.0081 seconds. The prompt `knoppix@!knoppix]$` is visible at the end of the command and again after the output. At the bottom of the terminal, the text "PPIX 5.0" is visible.

```
knoppix@!knoppix]$ dd if=/media/hda1/nsp.img of=/dev/sda
125440+0 records in
125440+0 records out
64225280 bytes (64 MB) copied, 30.0081 seconds, 2.1 MB/s
knoppix@!knoppix]$
```

This procedure can take up to one minute for some reason.