

# Mounting NTFS volume on an external disk drive

## 6.8.1 Removable storage interface

First make sure your external disk drive is connected and powered on.

List attached removable storage devices:

```
$ rmformat -l
```

Verify the pX partition number that contains the NTFS filesystem, typically "p1", using fdisk. Even though it may seem counterintuitive, include the partition number "p0" as shown by rmformat in fdisk inquiries.

```
$ pfexec fdisk /dev/rdisk/c6t0d0p0
```

## 6.8.2 Additional software installation and configuration

There are currently 2 sources of ntfs-3g, Openindiana SFE made for installing on top of /dev and working Tuxera and Jean-Pierre André's NTFS-3G project:

### Openindiana SFE:

As of oi151\_a5, ntfsprogs were installed, but not the actual ntfs-3g kernel modules, which will be needed for mounting the NTFS filesystem with read/write capability. To perform this step successfully, you will need to already have the [Spec Files Extra Repository \(SFE\)](#) added to your installation's repository list. Something is not quite complete about the FUSE install out of the box (thanks DAMIAN WOJSAW! <http://trochejen.blogspot.com/2011/11/openindiana-and-ntfs-3g.html>).

```
$ pkg search ntfs-3g
$ pfexec pkg install /system/file-system/ntfs-3g
$ pfexec ln -s /devices/pseudo/fuse@0\:fuse /dev/fuse
```

### Tuxera and Jean-Pierre André's NTFS-3G:

Working place for ntfs-3g and FUSE is [Tuxera's NTFS-3G project](#) that aims at providing a stable NTFS driver for several operating systems.

It is made possible thanks to **Jean-Pierre André**, on Openindiana page: <http://jp-andre.pagesperso-orange.fr/openindiana-ntfs-3g.html> (using pkgadd - d \*.pkg) Please install 64-bit package on 64-bit installations.

Jean-Pierre André/Tuxera also have an active [Advanced NTFS-3G Features](#) project, where you can join in developing more advanced Ntfs features implementation.

## 6.8.3 Mounting the NTFS filesystem

Now mount it up

```
$ pfexec ntfs-3g /dev/dsk/c6t0d0p1 /mnt/backup/
```

You can now also add a vfstab entry like so:

```
/dev/dsk/c6t0d0p1 /dev/rdisk/c6t0d0p1 /mnt/backup ntfs-3g - no -
```