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## [Installing NTFS Write Support on Fedora/Ubuntu](#)

*Mounting your NTFS partitions and making them readable/writable.*

Some of the new Linux users are running their machines as dual boot with Windows. Mounting NTFS partitions in Linux as read-only has always been a rather challenging task. Mounting them as with read-write permissions is even harder, not to mention that this feature has been made available since a little while ago. **Keep in mind** that the support for mounting NTFS partitions with write permissions is still in the early stages and therefore, not perfectly secure. If you decide to give it a try, don't hold me responsible for any damage occurred to your hard-drive and/or to the files on it. You have been warned. For mounting NTFS partitions we're going to use a small tool called **NTFS-3G**, which is very powerful but yet, so simple. **Install NTFS write support for Fedora Core 6**- You'll need to be root for this guide. If you're already logged-in as root, skip typing `su --` First, install `ntfs-3g`:  
`[CODE=0]# su -# yum -y install ntfs-3g`  
 This will install `ntfs-3g`, `fuse` and `fuse-libs`- Create a folder to be used as mounting point for NTFS partition:  
`[CODE=0]# mkdir /mnt/ntfs`  
`[CODE=1]`- Find out what's the NTFS partition. Type this command (the `fdisk` option is a small L):  
`[CODE=0]# fdisk -l`  
 Look for a line like this:  
`[CODE=0]/dev/hda3 * 14925 17218 18426555 c HTFS/NTFS`  
`[CODE=1]/dev/hda3` is your NTFS partition. It could be `/dev/sdaX` if you have a S-ATA drive.- Edit `/etc/fstab` and add this line at the end so that the partition will be mounted at startup:- Remember to use your `/device`, `/dev/hda3` is just an example.  
`[CODE=0]/dev/hda3 /mnt/ntfs_p ntfs-3g defaults,umask=0 0 0`  
`[CODE=1]`- Disable SELinux. Edit `/etc/selinux/config` and change the line:  
`[CODE=0]SELINUX=restrictive`  
`[CODE=1]to`  
`[CODE=0]SELINUX=disabled`  
`[CODE=1]`or if you're a security paranoid and don't want to fully disable SELinux, change the line to:  
`[CODE=0]SELINUX=permissive`  
`[CODE=1]`otherwise, mounting the partitions will fail.- Reboot and enjoy your NTFS partition in `/mnt/ntfs_p`  
**Install NTFS write support for Ubuntu**- Edit `/etc/apt/sources.list` and add the following repositories, which are suitable for you:  
**If you're running Dapper, add:**  
`[CODE=0]deb http://givre.cabspace.com/ubuntu/ dapper main main-alldeb`  
`http://ntfs-3g.sitesweetsite.info/ubuntu/ dapper main main-alldeb`  
`http://flomertens.keo.in/ubuntu/ dapper main main-all`  
**If you're running Edgy, add:**  
`[CODE=0]deb http://givre.cabspace.com/ubuntu/ edgy main deb`  
`http://ntfs-3g.sitesweetsite.info/ubuntu/ edgy maindeb`  
`http://flomertens.keo.in/ubuntu/ edgy main`  
`[CODE=1]`- Import the GPG key for these repositories:  
`[CODE=0]# wget`  
`http://flomertens.keo.in/ubuntu/givre_key.asc -O- | sudo apt-key add -# wget`  
`http://givre.cabspace.com/ubuntu/givre_key.asc -O- | sudo apt-key add -`  
`[CODE=1]`- Update the source list:  
`[CODE=0]# sudo apt-get update`  
`[CODE=1]`- Install `ntfs-3g`:  
`[CODE=0]# sudo apt-get install ntfs-3g`  
`[CODE=1]`- Determine which is the NTFS partition. Type this command and look for the line ending with **HTFS/NTFS**. The `fdisk` option is a small L.  
`[CODE=0]# fdisk -l`  
`[CODE=1]`- Create a directory where the NTFS partition will be mounted on:  
`[CODE=0]# mkdir /media/ntfs_p`  
`[CODE=1]`- Add the following line to `/etc/fstab` file:  
`[CODE=0]/dev/hda3 /media/ntfs_p ntfs-3g defaults,locale=en_US.utf8 0 0`  
`[CODE=1]`- If you want to change the locale option, type this command to find out which are supported by your system and pick the appropriate one:  
`[CODE=0]# locale -a`  
`[CODE=1]`- Save the file and reboot.