

Mover un directorio a otra partición usando bind mount

- Juan Gabriel Covas. 2014

Purpose: Move a directory to another **existing** partition, using a bind mount instead of a symbolic link.

Using the special 'bind mount' available from Kernel 2.4+ allows the new directory to function exactly as a real filesystem mounted there, sort of a transparent mirror. Among other things, this allows not being to worry about programs that could not follow symlinks without extra options, etc.

Directory to 'move': /centosrepo

Target directory: /mnt/centosrepo

```
# mkdir /mnt/centosrepo
```

Use rsync to make sure everything gets sync'ed and perms preserved

```
# rsync -avx /centosrepo/ /mnt/centosrepo/
```

Add this line to /etc/fstab

/mnt/centosrepo	/centosrepo	none rw,bind
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Next we delete the 'old' contents, leaving the directory empty

```
# rm -rf /centosrepo/*
```

We check the directory still exists, but empty:

```
# ls -la /centosrepo
```

Now we use the mount command to get the new /mnt/centosrepo 'bind' mount from /etc/fstab:

```
# mount /mnt/centosrepo
```

An empty response means it's OK, and also gives us the peace of mind that after a reboot, the /etc/fstab file it is ALSO OK. Otherwise we'll get screwed if it's a remote linux box and /etc/fstab is invalid...

Now we check the mount list:

```
# mount
[...]
```

/mnt/centosrepo	on	/centosrepo	type none (rw,bind)
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Now we check that listing the /centosrepo dir give us the expected contents of /mnt/centosrepo

```
# ls -la /centosrepo
```

If it works... That's it! We now have plenty of space for that disturbing directory :)

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