

Table of Contents

Evenly Split Directories Into Chunks 2

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This is something I didn't know existed until I tried doing it manually. Basically, say you have 5000 photos to back up.

Say you want to send them to older family members with DVDs (yes, I know, optical media in 2021, give me a break).

DVDs can fit 4.4 GiB each, so you want to take advantage of that and split the files evenly. Doing it by hand sucks.

`fpart` can take the folders and make file lists for several partitions, either by target number of partitions, OR, by space.

eg: to split into 5 partitions with the file lists named `list.0`, so on

```
fpart -n 5 -o list -v .
```

Problem is, it doesn't really move the files. If you don't care about folder structure (ie: intended as slideshow or something)

```
sed 's/^ *//' < list.0 | xargs -d '\n' mv --backup=t -v -t folder0
```

Where `list.0` is the text list, and `folder0` is the target.

The `--backup=t` makes sure that if there are duplicate file names, it will rename one automatically and not overwrite.

NOTE: THIS REMOVES THE DIRECTORY STRUCTURE, AND LUMPS EVERYTHING IN ONE FOLDER.

This is easy enough to then burn onto a CD/DVD with K3B. While you're at it, do yourself a favor and use PAR2 to add parity.

DVDs will get scratched and I currently leave ~5% parity to recover files.

Maintain directory structure

Instead of using the `xargs` version, you can also use `Rsync`. This will maintain directory structure.

```
rsync -avP . --files-from=list.0 sorted/
```

This will take files from `.` or a directory of your choice, and copy files listed in `list.0` into the `sorted/` directory.

Note that the output directory must exist beforehand.

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