

ZSH zmv

mv/rename mejorado

USO

- si no lo hacemos en el **.zshrc**, cargar con `autoload zmv`
- parámetros:
 - **-n**: test, o hace los cambios
 - **C**: copy
 - **L**: ln
 - **M**: move
 - **-w**: añade paréntesis en los *
 - **-i**: interactivo

ejemplo

usage

- renames 'foo.lis' to 'foo.txt', 'my.old.stuff.lis' to 'my.old.stuff.txt':

```
zmv '(*).lis' '$1.txt'
```

- Something simpler (for basic commands) is the `-W` option

```
zmv -W '*.lis' '*.txt'
```

- If you combine this with `noglob`, you don't even need to quote the arguments.

```
alias mmv='noglob zmv -W'  
mmv *.c.orig orig/*.c
```

the code whisperer

```
zmv 'Page(*)/shot.jpg' 'shot-${1}.jpg'
```

grml.org

```
# Remove illegal characters in a fat32 file system. Illegal characters are  
# / : ; * ? " < > |  
# NOTE: ``-Q' and (D) is to include hidden files.  
$ unwanted='[:;*?\"<>|]'  
$ zmv -Q "(**/)(*~unwanted*)(D)" '$1${2//~unwanted/}'  
  
# Changing part of a filename (i. e. "file-hell.name" -> "file-heaven.name")  
$ zmv '(*)hell(*)' '${1}heaven${2}'  
# or  
$ zmv '*' '$f:s/hell/heaven/'
```

```

# remove round bracket within filenames
# i. e. foo-(bar).avi -> foo-bar.avi
$ zmv '*' '${f//[()]/}'

# serially all files (foo.foo > 1.foo, fnord.foo > 2.foo, ..)
$ autoload zmv
$ ls *
1.c asd.foo bla.foo fnord.foo foo.fnord foo.foo
$ c=1 zmv '*.foo' '$((c++)).foo'
$ ls *
1.c 1.foo 2.foo 3.foo 4.foo foo.fnord

# Rename "file.with.many.dots.txt" by substituting dots (except for the last
# one!) with a space
$ touch {1..20}-file.with.many.dots.txt
$ zmv '(*.*)(.*)' '${1//./ }$2'

# Remove the first 4 chars from a filename
$ zmv -n '*' '$f[5,-1]' # NOTE: The "5" is NOT a mistake in writing!

# Rename names of all files under the current Dir to lower case, but keep
# dirnames as-is.
$ zmv -Qv '(**/)(*)(.D)' '$1${(L)2}'

# replace all 4th character, which is "1", with "2" and so on
$ autoload -U zmv
$ zmv '(???)1(???[1-4].txt)' '${1}2${2}'

# Remove the first 15 characters from a string
$ touch 111111111111111{a-z}
$ autoload zmv
$ zmv '*' '$f[16,-1]'

# Replace spaces (any number of them) with a single dash in file names
$ autoload zmv
$ zmv -n '(**/)(* *)' '$1${2// ( #-## #| ##)/-}'
# or - with Bash
$ find . -depth -name '* *' -exec bash -c '
> shopt -s extglob
> file=$1
> dir=${file%/*}
> name=${file##*/}
> newname=${name//*([ -]) *([ -])/-}
> mv -i -- "$file" "$Dir/$newname" {} {} \;

# Clean up file names and remove special characters
$ autoload zmv
$ zmv -n '(**/)(*)' '$1${2//[ ^A-Za-z0-9._]/_}'

# Add *.py to a bunch of python scripts in a directory (some of them end
# in *.py and give them all a proper extension
$ autoload zmv
$ zmv -n '(**/)(con*)(#qe,file $REPLY | grep "python script",)' '$1$2.py'

# lowercase all extensions (i. e. *.JPG) incl. subfolders

```

```

$ autoload zmv
$ zmv '(**/)(*)(#i)jpg' '$1$2.jpg'
# Or - without Zsh
$ find Dir -name '*.[[jJ]][pP][gG]' -print | while read f
> do
>     case $f in
>         *.jpg) ;
>         *) mv "$f" "${f%.*}.jpg" ;
>         esac
> done

# remove leading zeros from file extension
$ autoload zmv
$ ls
filename.001 filename.003 filename.005 filename.007 filename.009
filename.002 filename.004 filename.006 filename.008 filename.010
$ zmv '(filename.)0##(?*)' '$1$2'
$ ls
filename.1 filename.10 filename.2 filename.3 filename.4 filename.5 ..

# renumber files.
$ autoload zmv
$ ls *
foo_10.jpg foo_2.jpg foo_3.jpg foo_4.jpg foo_5.jpg foo_6.jpg ..
$ zmv -fQ 'foo_(<->).jpg(.n0n)' 'foo_${(($1 + 1)).jpg}'
$ ls *
foo_10.jpg foo_11.jpg foo_3.jpg foo_4.jpg foo_5.jpg ...

# adding leading zeros to a filename (1.jpg -> 001.jpg, ..
$ autoload zmv
$ zmv '(<1->).jpg' '${(l:3::0:)}1}.jpg'

# See above, but now only files with a filename >= 30 chars
$ autoload zmv
$ c=1 zmv "${(l:30-4::?:)}*.foo" '$((c++)).foo'

# Replace spaces in filenames with a underline
$ autoload zmv
$ zmv '* *' '$f:gs/ /_ '

# Change the suffix from *.sh to *.pl
$ autoload zmv
$ zmv -W '*.sh' '*.pl'

# Add a ".txt" extension to all the files within ${HOME}
# ``-.' is to only rename regular files or symlinks to regular files,
# ``D' is to also rename hidden files (dotfiles)
$ autoload zmv
$ zmv -Q '/home/**/*(D-.)' '$f.txt'
# Or to only rename files that don't have an extension:
$ zmv -Q '/home/**/^?*.*(D-.)' '$f.txt'

# Recursively change filenames with characters ? [ ] / = + < > ; : " , - *
$ autoload zmv
$ chars='[[][?+=<>;":,-*]'
$ zmv '(**/)(*)' '$1${2//${~chars}/%}'

```

```
# Removing single quote from filenames (recursively)
$ autoload zmv
$ zmv -Q "(**/)(**)(D)" "\$1\$2//'/'"

# When a new file arrives (named file.txt) rename all files in order to
# get (e. g. file119.txt becomes file120.txt, file118.txt becomes
# file119.txt and so on ending with file.txt becoming file1.txt
$ autoload zmv
$ zmv -fQ 'file([0-9]##).txt(0n)' 'file$((\$1 + 1)).txt'

# lowercase/uppercase all files/directories
$ autoload zmv
$ zmv '*' '${(L)1}' # lowercase
$ zmv '*' '${(U)1}' # uppercase

# Remove the suffix *.c from all C-Files
$ autoload zmv
$ zmv '(*).c' '$1'

# Uppercase only the first letter of all *.mp3 - files
$ autoload zmv
$ zmv '([a-z])(*).mp3' '${(C)1}$2.mp3'

# Copy the target `README' in same directory as each `Makefile'
$ autoload zmv
$ zmv -C '(**/)Makefile' '${1}README'

# Removing single quote from filenames (recursively)
$ autoload zmv
$ zmv -Q "(**/)(**)(D)" "\$1\$2//'/'"

# Rename pic1.jpg, pic2.jpg, .. to pic0001.jpg, pic0002.jpg, ..
$ autoload zmv
$ zmv 'pic(*).jpg' 'pic${(l:4::0:)}1}.jpg'
$ zmv '(**/)pic(*).jpg' '$1/pic${(l:4::0:)}2}.jpg' # recursively
```

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