

NAME

dof – (do-for) executes commands for each item of a list

SYNOPSIS

dof [**-efpr**] [**-s:N..N[.N]**] [**-l**] [**-h**] [**-v**] [item. .|-] [**-x** ...] do [*command*|-]

DESCRIPTION

dof executes commands for each item (file or string) of a list

Example, convert all mp3s to ogg

```
dof -e *.mp3 do ffmpeg -i "%f" "%b.ogg"
```

Example, display colors on terminal

```
dof -e -s:0..15 do 'tput setaf %f; echo colour%f; tput op;'
```

OPTIONS

- read from stdin.
- e** execute; *dof* displays what commands would be run, this option executes them.
- x** exclude list; after **-x** are following regex's patterns to exclude items from the previous list. Since the *dof* parameters can be anything, this is no glob file-patterns but regex's patterns. Example '*.c' file-pattern should be written as '*.c'.
- r** recursive execution into subdirectories
- f** force non-stop; *dof* stops on error (exit code != 0), this option forces *dof* to ignore them.
- p** plain files only; directories, devices, etc are ignored.
- d** directories only; plain-files, devices, etc are ignored.
- s:F..L[.S]** adds a sequence of numbers (float or integer). *F* for first, *L* for last and optionally *S* for step. This option can be repeated many times.
- l** print recipes (/etc/dof.conf, ~/.dof)
- recipe** execute recipe (ex: dof --to-ogg)
- h** help screen.
- v** version and license information.

VARIABLES

In the 'commands' you can use several program's variables. Variables are recognized by prefix '%'. Variables and its modifiers can be included inside '{' '}' block or '(' ')' block.

- %f** the full string (or filename)
- %b** the basename (no directory, no extension)
- %d** the dirname (only the directory without the '/' suffix)
- %e** the extension without '.' prefix
- %%** the character '%'

MODIFIERS

Modifiers defined by ':' that follows a variable and modifies the result string. You can have unlimited number of modifiers.

- lc...** returns the string until the the first occurence of character 'c'.
- rc...** returns the string until the last occurence of character 'c'.
- is** returns the string until the occurence of string 's'.

FILES

dof reads `/etc/dof.conf` and `~/dof` files. These files contains recipes in form `'name: parameters'`. These recipes can later executed with `--name` option.

Example:

```
to-ogg: *.wav *.mp3 do 'ffmpeg -i "%f" "%b.ogg" && rm "%f"'
to-png: *.jpg *.gif do 'convert "%f" "%b.png" && rm "%f"'
```

NOTES

Items `'.'` and `'..'` are ignored.

SEE ALSO

regex(7)

AUTHOR

Nicholas Christopoulos <nereus@freemail.gr>

Project page: <<https://github.com/nereusx/unix-utils>>