

**NAME**

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

**SYNOPSIS**

**dof** [**-efpr**] [**-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 `seq 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 results. 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.
- 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)

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