

# Shell-Utills Reference Manual

---

Reference Documentation for Shell-Utills  
Edition 1.1, for **shell-utills** Version 1.1.  
December 2015

This text is a brief description of the features that are present in the shell-utils (version 1.1, 2 December 2015).

This is Edition 1.1, last updated 2 December 2015, of *The Shell-Utills Reference Manual*, for **shell-utils**, Version 1.1.

Copyright © 2015 Oxnz. All rights reserved.

# Table of Contents

<b>1</b>	<b>Overview of Shell-Utils</b>	<b>1</b>
1.1	Introduction	1
1.2	Reporting Bugs	1
1.3	Install	1
1.4	Using Shell-Utils	1
1.5	Update	2
1.6	Customize	2
1.7	Contribution	2
<b>2</b>	<b>Architecture</b>	<b>3</b>
2.1	Directory Hierarchy	3
	<b>Index</b>	<b>4</b>

# 1 Overview of Shell-Utils

## 1.1 Introduction

Shell-Utils is a bunch of useful shell scripts as well as some scripts or binary in other languages.

```
Output written on shell-utils.pdf (/ pages, 122054 bytes).
Transcript written on shell-utils.log.
[zpw@linux-c8in:doc:0]$ vi chap1.texi
[zpw@linux-c8in:doc:0]$ vi chap2.texi
[zpw@linux-c8in:doc:0]$ vi chap2.texi
[zpw@linux-c8in:doc:0]$ vi chap1.texi
[zpw@linux-c8in:doc:0]$ texi2pdf shell-utils.texi
This is pdfTeX, Version 3.1415926-2.5-1.40.14 (TeX Live 2013/TeX Live for SUSE Linux)
restricted \write18 enabled.
entering extended mode
(/usr/share/texmf/tex/texinfo/texinfo.tex
Loading texinfo [version 2013-02-01.11]: pdf, fonts, markup, glyphs,
page headings, tables, conditionals, indexing, sectioning, toc, environments,
defuns, macros, cross references, insertions,
(/usr/share/texmf/tex/generic/epsf/epsf.tex
This is 'epsf.tex' v2.7.4 <14 Februarv 2011>
```

## 1.2 Reporting Bugs

We welcome bug reports and suggestions for any aspect of the Shell-Utils: programs, documentation, installation, etc. Please email them to [yunxinyi@gmail.com](mailto:yunxinyi@gmail.com). Or you could open an issue at '<https://github.com/oxnz/shell-utils/issues>'. You can get the latest version of Shell-Utils via its home page, '<https://github.com/oxnz/shell-utils>'.

## 1.3 Install

### 1. automatically

Open your favorite terminal and type:

```
curl -L 'https://raw.githubusercontent.com/oxnz/
shell-utils/master/tool/install' | sh
```

or

```
wget 'https://raw.githubusercontent.com/oxnz/
shell-utils/master/tool/install' -O - | sh
```

and this will append the source command in your `~/.bashrc` and `~/.zshrc`.

To specify another directory instead of the default `~/.shell-utils`, you need to define the `DESTDIR` variable like this:

```
wget 'https://raw.githubusercontent.com/oxnz/
shell-utils/master/tool/install' -O - | DESTDIR=/path/to/install sh
```

### 2. manually

#### 1. Clone the repository

```
git clone 'https://github.com/oxnz/shell-utils.git' \
~/.shell-utils
```

#### 2. Create soft link to the rc files you want to use:

```
ln -s ~/.shell-utils/rc/bashrc ~/.bashrc
ln -s ~/.shell-utils/rc/zshrc ~/.zshrc
```

## 1.4 Using Shell-Utils

Already installed? just open a new terminal and try out the amazing stuff.

## 1.5 Update

There's two strategies for update:

1. using `git`  
`git pull`
2. using `skel`  
`skel update`

## 1.6 Customize

If you want to override any of the default behaviors, just add your stuff in the `custom` directory.

## 1.7 Contribution

If you have ideas on how to make the project better, don't hesitate to fork and send pull requests!

1. manually  
`skel update`
2. automatically  
`skel set autoupdate true`  
`# replace true with false if you want to update manually`

## 2 Architecture

### 2.1 Directory Hierarchy

```
~/.shell
|___ rc/          # source entry files, this directory is generated
|___ skel/        # shell-utils manager
|___ doc/         # documentation
|___ bin/         # this path will add to the PATH variable
|___ src/         # source code for libs and plugins
|___ lib/         # library used by plugin manager and dependencies
|___ opt/         # plugins would be here
|___ var/         # data files
|___ core/        # source this directory unconditionally
|___ ext/         # extension utils
|___ tool/        # tools used for generate docs, check codes, etc.
|___ test/        # test suits
|___ misc/        # misc
|___ custom/      # customize script
|___ .git/        # git directory
|___ .gitignore   # ignore the .git and custom directory
```

# Index

## A

Architecture ..... 3

## O

Overview of Shell-Utils ..... 1