

Configuration files

Grml's zsh configuration is located in `/etc/zsh/zshrc`. Please note that some functions/aliases are not active by default for user root (referred to as `'...'` for user (grml) below) for of security reasons. If you want your root user to use the full setup on your box, put `GRML_ALWAYS_LOAD_ALL=1` into root's `~/zshrc.pre`. Some aliases/functions are not activated if the appropriate executable isn't present on your system, either.

You can adjust the grml setup globally to your systems via a file named `/etc/zsh/zshrc.local`, which is not under the control of Debian package management.

Put important commands which you need on a regular basis into a file named `~/important_commands`.

You can put personal configuration for a user into a file named `~/zshrc.local`. Changes you need to have sourced **before** the grml zsh setup is loaded can be put into `~/zshrc.pre`.

More information regarding configuration files and some environment variables to adjust runtime behaviour of grml's zsh can be accessed by running `zsh-help`.

Using grml's zsh configuration on a non-grml system

You do not have to use grml/Debian to use grml's zsh configuration. Just retrieve and install the configuration files in your home directory. You can do this by running:

```
wget -O .zshrc http://git.grml.org/f/grml-etc-core/etc/zsh/zshrc
```

This is **different** from earlier versions of grml's zsh setup. You only use the `zshrc` file from `/etc/zsh/` **not** the `.zshrc` file from `/etc/skel/` these days. You can remove `~/zshrc.global` if it is still present in your home directory.

Problems?

Please report any problems you encounter while using the grml zsh configuration to the grml team. The configuration has been tested on several Linux distributions (Debian, Gentoo, SuSE, etc) and non-Linux systems as well (FreeBSD, Solaris, AIX, etc), but there might be issues, anyway. [Report them, please!](#)

Settings

If not already defined, these variables are set to the following values:

```
BROWSER    firefox  If X11 is running
BROWSER    w3m      If no X11 is running
EDITOR     vim
HISTFILE   $HOME/.zsh_history
JIKESPATH  /usr/share/classpath/glibj.zip [for non-root only]
MAIL       /var/mail/$USER
PAGER     less
QTDIR     /usr/share/qt[34] [for non-root only]
```

Keybindings

Default keybinding mode is Emacs, i.e. you can use Emacs keybinds like `^A` or `^E` on the command line. However, you can switch to vi mode.

```
setopt emacs  Switch to Emacs mode (default)
setopt vi     Switch to vi mode
```

The following documents some important keybindings which are not defined in zsh's default configuration. Hint: press `<tab>` twice when completing a command you installed which is not yet known to zsh or run `'rehash'` manually.

```
CTRL-E d  Insert a timestamp on the command line (yyyy-mm-dd)
CTRL-O s  Put the current command line into a sudo call
CTRL-X f  Insert files
CTRL-X i  Insert Unicode character
CTRL-z   A smart shortcut for fg<enter>
ESC-CTRL-? Kill everything in a word up to its last /
ESC-CTRL-h Kill everything in a word up to its last /
ESC-e    Edit the current line in $EDITOR
ESC-h    Call run-help for the 1st word on the command line
ESC-i    Trigger menu-complete
ESC-m    Insert last typed word
ESC-return menu selection: pick item but stay in the menu
ESC-v    Kill everything in a word up to its last /
Shift-tab Perform backwards menu completion
```

Terminal Settings

There are 8 aliases designed to change the font size of terminal emulators (XTerm, Aterm, etc). They are: `hide`, `tiny`, `small`, `medium`, `default`, `large`, `huge`, `smartfont`, `semifont`.

Hashes

Directory hashes are shortcuts for common directories. You can expand them by typing `~hash`. Usage: `'cd ~doc'`

```
deb    /var/cache/apt/archives
doc    /usr/share/doc
linux  /lib/modules/${command uname -r}/build/
log    /var/log
slog   /var/log/syslog
src    /usr/src
templ  /usr/share/doc/grml-templates
tt     /usr/share/doc/texttools-doc
www    /var/www
```

System-Wide Aliases

```
grml-rebuildfstab  Rebuild /etc/fstab
grml-version       Output version of running grml
execute ls -la -color=auto: list all files, with colors
lh                 long colored list, human readable sizes (ls -hAl -color=auto)
llog               Take a look at the syslog: $PAGER /var/log/syslog
ll                 long colored list, without dotfiles (ls -l -color=auto)
ls                 execute ls -b -CF -color=auto: ls with colors
l                  List files, append qualifier to filenames
                  (/ for directories, @ for symlinks ...)
md                 Execute mkdir
rd                 Execute rmdir
tlog               Take a look at the syslog: tail -f /var/log/syslog
```

Global Functions

```
H-Glob()          Provides useful information on globbing
dchange()         View Debian's changelog of a given package
dnews()           View Debian's NEWS of a given package
edalias()         Edit an alias via zle
edfunc()          Edit a function via zle
freload()         Reload an autoloadable function
isgrml()          Checks whether or not you're running grml
isgrmlcd()        Checks whether or not you're running a grml cd
isgrmlsmall()     Checks whether or not you're running grml-small
isutfenv()        are we running within an utf environment?
manzsh()          View the zsh manual
setenv()          Provide csh compatibility
sll()             List symlinks in detail (more detailed version of 'readlink -f' and 'whence -s')
uchange()         View upstream's changelog of a given package
zg()              grep for patterns in grml's zsh setup
zsh-help()        Hints for the use of zsh on grml
Force-Reload()   /etc/init.d/process force-reload
Reload()         /etc/init.d/process reload
Restart()        /etc/init.d/process restart
Start()          /etc/init.d/process start
Stop()           /etc/init.d/process stop
```

Debian commands

Please note: if not executed as root, these aliases try to run the command via `sudo`.

```
acp           Execute apt-cache policy
acsh          Execute apt-cache show
acs           Execute apt-cache search
adg           Execute apt-get dist-upgrade
agi           Execute apt-get install
ag            Execute apt-get upgrade
ati           Execute aptitude install
au            Execute apt-get update
dbp           Execute dpkg-buildpackage
debs-by-size List installed Debian-packages sorted by size
ge            Execute grep-excuses
up            Execute aptitude update ; aptitude safe-upgrade
upgrade()    Execute apt-get update &&
              apt-get dist-upgrade
```

Aliases for user (grml)

```

CH      Execute ./configure -help
CO      Execute ./configure
GREP    Execute grep -i --color=auto
cmplayer Execute mplayer -vo fbdev
da      Execute du -sch
dir     Execute ls -lSrah
fblinks Execute links2 -driver fb
fbmplayer Execute mplayer -vo fbdev -fs -zoom
grep    Execute grep --color=auto
hbp     Alias for hg-buildpackage
hidiff  histring oneliner for diffs
insecssh ssh with StrictHostKeyChecking=no
        and UserKnownHostsFile unset

j       Execute jobs -l
lad     Only show dot-directories
lsa     Only show dot-files
lsbig   Display the ten biggest files
lsd     Only show directories
lse     Only show empty directories
lsl     Only show 1st ten symlinks
lsnew   Display the ten newest files
lsold   Display the ten oldest files
lssmall Display the ten smallest files
lss     Only files with setgid/setuid/sticky flag
lsw     Display world-readable,writable,executable files
lsx     Display only executables
md      Execute mkdir -o
r-x     Execute chmod 755
r--     Execute chmod 644
rw-     Execute chmod 600
rwx     Execute chmod 700

```

Abbreviation expansion for user (grml)

As of version 0.9, grml does not enable global aliases anymore. Instead, a feature similiar to vim's 'iab' was added. The default key-sequence to trigger the expansion is '.,'. Example:

```

co,., expands to: ./configure && make && sudo make install
The configuration of this feature and its implementation are described on the zsh wiki
<http://zshwiki.org/home/examples/zleiab>.

```

```

.... ./././..
... ././..
BG   & exit
C    | wc -l
G    |& grep -color=auto
H1   -help |& less -r (Display help in pager)
H    | head
LL   |& less -r
L    | less
M    | most
N    |>/dev/null (No Output)
R    | tr A-z N-za-m (ROT13)
SL   | sort | less
S    | sort -u
T    | tail
V    |& vim -

```

Most of the normal aliases are also added to this database, so you may expand them like this as well.

Functions for user (grml)**Searching**

```

agoogole() Search for newspostings from authors
debug()   Search Debian Bug Tracking System
debugm()  Search Debian Bug Tracking System in mbox format
dmoz()    Search DMOZ
dwicti()  Search German Wiktionary
ewicti()  Search English Wiktionary
gex()     Exact search via Google
ggoogle() Search Google Groups

```

```

google()   Search Google
mggoogle() Search Google Groups for MsgID
netcraft() Search Netcraft
oleo()     search dict.leo.org
swiki()    Use German Wikipedia's full text search
wikide()   Search German Wikipedia
wikien()   Search English Wikipedia
wodeb()    Search official debs

```

Shortcuts

```

2html()    Transform files to html with highlighting
accessed() List files which have been accessed within the last n days, n defaults to 1
allulimit() Set all ulimit parameters to unlimited
ansi-colors() Display ANSI colors
audioburn() Burn an audio CD (in combination with audiorip)
audiorip() Rip an audio CD
bk()       Backup file to file_timestamp
cdiff()    Copied diff
changed()  List files which have been changed within the last n days, n defaults to 1
cl()      cd to directoy and list files
cvsa()    Cvs add
cvsd()    Cvs diff
cvsl()    Cvs log
cvsq()    Cvs update
cvsr()    Rcs2log
cvss()    Cvs status
dirspace() Report diskusage of a directory
disassemble() Disassemble source files using gcc and as
doc()     cd to /usr/share/doc/package
exirename() Rename pictures based on information found in exif headers
fir()     Firefox remote control - open given URL
genthumbs() Simple thumbnails generator
greph()   Grep in history
grml-wallpaper() Sets a wallpaper (try completion for possible values)
hgdi()    GNU like diff for mercurial
hgstat()  Diffstat for specific version of a mercurial repos
lcheck()  Find out which libs define a symbol
makereadable() Create PDF file from source code
man2()    Watch manpages in a stretched style
mcd()     Create Directoy and cd to it
mdiff()   Unified diff to timestamped outputfile
memusage() Memory overview
mkaudiocd() Make an audio CD from all mp3 files
mkiso()   Create an ISO image. You are prompted for volume name, filename and directory
mmake()   Log 'make install' output
modified() List files which have been modified within the last n days, n defaults to 1
plap()    List all occurrences of programm in current PATH
purge()   Clean up directory - remove well known tempfiles
readme()  View all README-like files in current directory in pager
refunc()  Reload given functions
regcheck() Checks whether a regex matches or not.
           Example: regcheck '{3} EUR' '500 EUR'
selhist() Select items for specific command(s) from history
show-archive() List an archive's content
shtar()   Show contents of gzipped tar file
shzip()   Show contents of zip file
simple-extract() Smart archive extractor
slow_print() Slowly print out parameters
smart-indent() Indent source code
smartcompress() Smart archive creator
sshot()   Make screenshot
status()  Show some status info
suidfind() Find all files in $PATH with setuid bit set
trans()   Translates a word
udiff()   Unified diff
uopen()   Download a file and display it locally
urlencode() RFC 2396 URL encoding in Z-Shell
viless()  (Mis)use vim as less
vman()    Use vim as your manpage reader
xtrename() Change the xterm title from within GNU-screen

```