

## 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]
umask 022   new files automatically get permissions rwxr-xr-x
umask 002   new files for root user rwxrwxr-x
```

## 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     Shortcut for fg<enter>
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 /
```

## 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/${commandname -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
la                 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 rmdir
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
reload()          Reload zsh setup
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
check_dpkg_running Check whether a dpkg instance is currently running
cmplayer   Execute mplayer -vo fbdev
conkeror   Run a keyboard driven firefox
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
tbp        Execute tla-buildpackage
tco        Execute tla commit
tdi        Execute tla what-changed -diffs | less
tme        Execute tla star-merge
tmi        Execute tla archive-mirror

```

**Abbreviation expansion for user (grml)**

As of version 0.9, grml does not enable global aliases anymore. Instead, a feature similar 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
debbbug() Search Debian Bug Tracking System
debbbugm() 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
moogle() 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
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
cl() cd to directoy and list files
cvsa() Cvs add
cvsd() Cvs diff
cvsl() Cvs log
cvsq() Cvs update
cvsr() Rcs2log
cvss() Cvs status
d() Jump between directories
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
getair() Get and run AIR (Automated Image and Restore)
getgizmo() Install gizmo (VoIP software)
gethgclone() Get current mercurial tip via hg itself
gethgsnap() Get current mercurial snapshot
getskype() Install skype
getskypebeta() Install beta-version of skype
getxlite() Install x-lite (VoIP software)
git-get-commit() Get specific git commit
git-get-diff() Get specific git commitdiff
git-get-plaindiff() Get specific git diff
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
new() List files which have been modified within the last n days
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 tar file
shtgz() Show contents of tgz file
shzip() Show contents of zip file
sig() Greps signature from 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

```