

shrink-path

A plugin to shrink directory paths for brevity and pretty-printing.

To use it, add `shrink-path` to the plugins array in your zshrc file:

```
plugins=(... shrink-path)
```

Examples

For this directory tree:

```
/home/  
me/  
  f o o/      # The prefix f is ambiguous between "f o o" and "f i g".  
    bar/  
      quux/  
    biz/      # The prefix b is ambiguous between bar and biz.  
  f i g/  
    baz/
```

here are the results of calling `shrink_path <option> /home/me/foo/bar/quux`:

Option	Result
<none>	/h/m/f o/ba/q
-l --last	/h/m/f o/ba/q
-s --short	/h/m/f/b/q
-t --tilde	~/f o/ba/q
-f --fish	~/f/b/quux
-g --glob	/h*/m*/f o*/ba*/q*
-3	/hom/me/f o/bar/quu
-e '\$' -3	/hom\$/me/f o\$/bar/quu\$
-q	/h/m/f\ o/ba/q
-g -q	/h*/m*/f\ o*/ba*/q*
-x	/home/me/foo/bar/quux

Usage

For a fish-style working directory in your command prompt, add the following to your theme or zshrc:

```
setopt prompt_subst  
PS1='%n@m $(shrink_path -f)>'
```

The following options are available:

-f, --fish	fish simulation, equivalent to -l -s -t.
-g, --glob	Add asterisk to allow globbing of shrunk path (equivalent to -e "*)")
-l, --last	Print the last directory's full name.
-s, --short	Truncate directory names to the number of characters given by -.

Without	-s, names are truncated without making them ambiguous.
-t, --tilde	Substitute ~ for the home directory.
-T, --nameddirs	Substitute named directories as well.
-#	Truncate each directly to at least this many characters inclusive
of the	ellipsis character(s) (defaulting to 1).
-e SYMBOL	Postfix symbol(s) to indicate that a directory name had been
truncated.	
-q, --quote	Quote special characters in the shrunk path
-x, --expand	Print the full path. This takes precedence over the other options

The long options can also be set via `zstyle`, like

```
zstyle :prompt:shrink_path fish yes
```

Note: Directory names containing two or more consecutive spaces are not yet supported.

Trick: toggle shrinking with a keyboard shortcut

You can use the `expand` option to disable the path shrinking. You can combine that with a key binding widget to toggle path shrinking on and off.

```
# Toggle off path shrinking
zstyle ':prompt:shrink_path' expand true
# Toggle on path shrinking
zstyle -d ':prompt:shrink_path' expand
```

Combined with a widget:

```
# Widget definition
shrink-path-toggle() {
  zstyle -t ':prompt:shrink_path' expand \
    && zstyle -d ':prompt:shrink_path' expand \
    || zstyle ':prompt:shrink_path' expand true
  zle reset-prompt
}
zle -N shrink-path-toggle
# Key binding to ALT+SHIFT+S
bindkey "^[S" shrink-path-toggle
```

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Ref: <https://www.zsh.org/mla/workers/2009/msg00415.html> <https://www.zsh.org/mla/workers/2009/msg00419.html>

Misc

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