

crasis(1)

# NAME

crasis - a shell script

## SYNOPSIS

Documentation automatically generated with `zshelldoc`

## FUNCTIONS

```
-zcrasis-process-zplugin-commands
-zcrasis-process-zsh-rc
-zcrasis-tokenize-zsh-rc
-zcrasis_action_add_plugin
-zcrasis_action_add_snippet
-zcrasis_action_compact_mode
-zcrasis_action_debug_view
-zcrasis_action_delete
-zcrasis_action_delete_mode
-zcrasis_action_edit_mode
-zcrasis_action_move_down
-zcrasis_action_move_up
-zcrasis_action_options_view
-zcrasis_action_preview
-zcrasis_action_reload
-zcrasis_action_save
-zcrasis_action_save_options
-zcrasis_clear_visual_state
-zcrasis_compose
-zcrasis_dbg_msg
-zcrasis_dbg_msg_arr
-zcrasis_generator_0
-zcrasis_generator_A
-zcrasis_generator_B
-zcrasis_generator_DBG
-zcrasis_generator_OPT
-zcrasis_process_theme
-zcrasis_refresh2_all_string
-zcrasis_set_zui_palette
-zcrasis_switch_theme
-zcrasis_update_ice_cmd
-zcrasis_update_main_cmd
-zcrasis_util_swap
AUTOLOAD -zcrasis-process-buffer
AUTOLOAD is-at-least
```

# DETAILS

## Script Body

Has 148 line(s). Calls functions:

```
Script-Body
|-- -zcrasis_action_reload
|   |-- -zcrasis-process-zplugin-commands
|   |   '-- -zcrasis_dbg_msg
|   |-- -zcrasis-process-zsh-rc
|   |-- -zcrasis-tokenize-zsh-rc
|   |   '-- -zcrasis-process-buffer
|   |       '-- -zcrasis_dbg_msg
|   |-- -zcrasis_clear_visual_state
|   |-- -zcrasis_dbg_msg
|   '-- -zcrasis_refresh2_all_string
|-- -zcrasis_dbg_msg
|-- -zcrasis_dbg_msg_arr
|-- -zcrasis_process_theme
|   |-- -zcrasis_dbg_msg
|   '-- -zcrasis_dbg_msg_arr
'-- -zcrasis_set_zui_palette
    '-- is-at-least
```

## -zcrasis-process-zplugin-commands

```
# Processes block with zplugin commands established earlier
# in -zcrasis-process-zsh-rc() and generates $cmdlist array
# which holds serialized hashes of every zplugin invocation,
# mixed-in additional (external) commands, comments.
#
# Uses parameters filled by -zcrasis-process-buffer:
# - $ZCR_PB_WORDS - tokens
# - $ZCR_PB_SPACES - spaces in front of each token, +1 at the end
```

Has 86 line(s). Calls functions:

```
-zcrasis-process-zplugin-commands
'-- -zcrasis_dbg_msg
```

Called by:

```
-zcrasis_action_reload
```

## **-zcrasis-process-zsh-rc**

```
# Parses tokens of the loaded zshrc and detects:
# - functions
# - block preceding zplugin commands
# - block with those commands
# - block following them
#
# Uses parameters filled by -zcrasis-process-buffer:
# - $ZCR_PB_WORDS - tokens
# - $ZCR_PB_SPACES - spaces in front of each token, +1 at the end
```

Has 109 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_action_reload
```

## **-zcrasis-tokenize-zsh-rc**

```
# Runs -zcrasis-process-buffer() on $zshrc (containing the loaded
# .zshrc file). The *-process-buffer() is a general function that
# exists in other projects, is an autoload function, and is kept
# in separate file "-zcrasis-process-buffer".
```

Has 1 line(s). Calls functions:

```
-zcrasis-tokenize-zsh-rc
`-- -zcrasis-process-buffer
   `-- -zcrasis_dbg_msg
```

Called by:

```
-zcrasis_action_reload
```

## **-zcrasis\_action\_add\_plugin**

```
# Adds plugin to $cmdlist and refreshes the view. So it
# creates a packet with "zplg load ..." main command.
# Ice command can be added by editing actions.
```

Has 18 line(s). Calls functions:

```
-zcrasis_action_add_plugin
|-- -zcrasis_clear_visual_state
|-- -zcrasis_dbg_msg
`-- -zcrasis_refresh2_all_string
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_add\_snippet**

```
# Adds snippet to $cmdlist and refreshes the view.
# So it creates a packet with "zplg snippet ..."
# main command.
```

Has 18 line(s). Calls functions:

```
-zcrasis_action_add_snippet
|-- -zcrasis_clear_visual_state
|-- -zcrasis_dbg_msg
`-- -zcrasis_refresh2_all_string
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_compact\_mode**

```
# Switches the entry list to compact-mode. In this mode,
# only a single line per plugin/snippet/etc. is displayed.
```

Has 8 line(s). Calls functions:

```
-zcrasis_action_compact_mode
`-- -zcrasis_refresh2_all_string
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_debug\_view**

```
# Enters or leaves debug view. Plugin-list view is muted
# by setting module 2 factor to 0 - factor is the number
# of instances of a module to create, i.e. number of calls
# to module's generator. Debug module (#4) obtains factor 1.
# On disable, normal factors are restored.
```

Has 34 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_delete**

```
# Removes given entry from $cmdlist and orders full
# regeneration of document section holding the zplugin
# invocations (the main view). Basically, there will be
# one instance of module 2 less (the removed one), and
# remaining instances will get refreshed.
#
# $1 - widget id
# $2 - module's index
# $3 - module's instance index
```

Has 15 line(s). Calls functions:

```
-zcrasis_action_delete
`-- -zcrasis_clear_visual_state
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_delete\_mode**

```
# Enables ability to delete entries - adds [X] button
# to each plugin, snippet, external command, etc. (main
# view).
```

Has 9 line(s). Calls functions:

```
-zcrasis_action_delete_mode
`-- -zcrasis_refresh2_all_string
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_edit\_mode**

```
# Enables ability to edit entries - strings with plugin name,  
# snippet url, etc. turn into text fields for manual editing.
```

Has 8 line(s). Calls functions:

```
-zcrasis_action_edit_mode  
'-- -zcrasis_refresh2_all_string
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_move\_down**

```
# Moves given instance ($2) down, i.e. swaps current and  
# next instance. Using "instance" here means: ZUI's  
# module instance representing single zplugin command  
# (possibly preceded with "zplugin ice ..." invocation)  
# by the design of Crasis. Instance = invocation of a  
# generator with "module_idx" "instance_idx" arguments.  
#  
# $1 - module index (will be 2)  
# $2 - instance index
```

Has 14 line(s). Calls functions:

```
-zcrasis_action_move_down  
'-- -zcrasis_util_swap
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_move\_up**

```
# Moves given instance ($2) up, i.e. swaps current and
# previous instance. Using "instance" here means: ZUI's
# module instance representing single zplugin command
# (possibly preceded with "zplugin ice ..." invocation)
# by the design of Crasis. Instance = invocation of a
# generator with "module_idx" "instance_idx" arguments.
#
# $1 - module index (will be 2)
# $2 - instance index
```

Has 14 line(s). Calls functions:

```
-zcrasis_action_move_up
`-- -zcrasis_util_swap
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_options\_view**

```
# Enters or leaves options alternate-view. It basically
# sets option module's instance to be created, once (when
# entering) - by changing the module factor.
```

Has 20 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_preview**

```
# Enters or leaves preview alternate-view. It basically
# sets preview module's instance to be created, once.
# At the same time, the plugin-list module is set to 0
# instances. Number of instances is the "module factor".
```

Has 20 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_reload**



```
# Ran at startup and after [Reload] button press. Performs
# full zshrc processing, recognizes other and zplugin-related
# zshrc parts, forgets user changes because it regenerates
# the backend model-structure, the $cmdlist array of hashes.
```

Has 55 line(s). Calls functions:

```
-zcrasis_action_reload
|-- -zcrasis-process-zplugin-commands
|   '-- -zcrasis_dbg_msg
|-- -zcrasis-process-zsh-rc
|-- -zcrasis-tokenize-zsh-rc
|   '-- -zcrasis-process-buffer
|       '-- -zcrasis_dbg_msg
|-- -zcrasis_clear_visual_state
|-- -zcrasis_dbg_msg
'-- -zcrasis_refresh2_all_string
```

Called by:

Script-Body

## **-zcrasis\_action\_save**

```
# Called when [Save] pressed. Composes full .zshrc,
# performs the save, outputs status message.
```

Has 5 line(s). Calls functions:

```
-zcrasis_action_save
'-- -zcrasis_compose
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_action\_save\_options**

```
# Stores current settings to $ZCRASIS_REPO_DIR/crasis.conf.
# Outputs status message.
```

Has 5 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

## -zcrasis\_clear\_visual\_state

```
# Clears generators' working variables to trigger refresh
# from backend, model-structures (like $cmdlist).
```

Has 26 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_action_add_plugin
-zcrasis_action_add_snippet
-zcrasis_action_delete
-zcrasis_action_reload
```

## -zcrasis\_compose

```
# Constructs text with zplugin commands, optionally
# including original Zshrc blocks (in order to create
# full .zshrc). Can skip comments (via $1).
#
# $1 - zero or 1 - whether to include comments
# $2 - zero or 1 - whether to generate complete zshrc
#
# $reply - lines of created code
```

Has 76 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_action_save
-zcrasis_generator_B
```

## -zcrasis\_dbg\_msg

```
# Append message to the debug view
```

Has 1 line(s). Doesn't call other functions.

Called by:

```
-zcrasis-process-buffer
-zcrasis-process-zplugin-commands
-zcrasis_action_add_plugin
-zcrasis_action_add_snippet
-zcrasis_action_reload
-zcrasis_process_theme
Script-Body
```

## **-zcrasis\_dbg\_msg\_arr**

```
# Append multiple messages to the debug view
```

Has 1 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_process_theme
Script-Body
```

## **-zcrasis\_generator\_0**

```
# ZUI generator that creates top menu (its hypertext).
# The menu can differ depending on current view mode
# (normal, preview, debug).
```

Has 49 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_generator\_A**

```
# ZUI generator that creates document block for each plugin,
# snippet or other command. This is module #2, each document
# block is an instance of this module (separated by blank
# lines horizontally, by ZUI normal operation).
```

Has 192 line(s). Calls functions:

```
-zcrasis_generator_A
|-- -zcrasis_update_ice_cmd
'-- -zcrasis_update_main_cmd
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_generator\_B**

```
# ZUI generator that creates preview text. This is module 3.  
# There is 0 or 1 instance of this module, depending on chosen  
# view.
```

Has 2 line(s). Calls functions:

```
-zcrasis_generator_B  
'-- -zcrasis_compose
```

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_generator\_DBG**

```
# ZUI generator that creates debug-report text. This is module 4.  
# There is 0 or 1 instance of this module, depending on chosen  
# view.
```

Has 15 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_generator\_OPT**

Has 33 line(s). Doesn't call other functions.

Uses feature(s): *eval*

Not called by script or any function, may be a hook or Zle widget, etc.

## **-zcrasis\_process\_theme**

```
# Theme file contains a little complex data and  
# this functions converts it to be ready to use
```

Has 127 line(s). Calls functions:

```
-zcrasis_process_theme
|-- -zcrasis_dbg_msg
`-- -zcrasis_dbg_msg_arr
```

Uses feature(s): *source*

Called by:

```
-zcrasis_switch_theme
Script-Body
```

## **-zcrasis\_refresh2\_all\_string**

```
# Returns string that when passed to ZUI causes to regenerate
# all instances of module 2 and module 1 (the menu bar).
```

Has 8 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_action_add_plugin
-zcrasis_action_add_snippet
-zcrasis_action_compact_mode
-zcrasis_action_delete_mode
-zcrasis_action_edit_mode
-zcrasis_action_reload
```

## **-zcrasis\_set\_zui\_palette**

```
# If theme provides palette-string, it is
# applied to ZUI settings of this application
```

Has 7 line(s). Calls functions:

```
-zcrasis_set_zui_palette
`-- is-at-least
```

Uses feature(s): *autoload*

Called by:

```
-zcrasis_switch_theme  
Script-Body
```

## -zcrasis\_switch\_theme

```
# Switches theme during operation of Crasis (not  
# at startup).  
#  
# $1 - theme name (not a path, no .cr-theme extension)
```

Has 4 line(s). Calls functions:

```
-zcrasis_switch_theme  
|-- -zcrasis_process_theme  
|   |-- -zcrasis_dbg_msg  
|   '-- -zcrasis_dbg_msg_arr  
'-- -zcrasis_set_zui_palette  
    '-- is-at-least
```

Not called by script or any function, may be a hook or Zle widget, etc.

## -zcrasis\_update\_ice\_cmd

```
# Updates ICE entry in given ($3) command packet. There  
# is single command packet per zplugin invocation and it  
# contains main command, optionally ICE command, and also  
# optionally a preceding comment.  
#  
# $1 - key to update in the ice command  
# $2 - data to store under the key  
# $3 - index of command pack to alter
```

Has 24 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_generator_A
```

## -zcrasis\_update\_main\_cmd

```
# Updates main entry in given ($3) command packet. There
# is single command packet per zplugin invocation and it
# contains main command, optionally ICE command, and also
# optionally a preceding comment.
#
# $1 - key to update in the main command
# $2 - data to store under the key
# $3 - index of command pack to alter
```

Has 13 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_generator_A
```

## **-zcrasis\_util\_swap**

```
# Swaps two variables given by name. Uses (P) substitution
# flag, can swap e.g. hash entries. For example:
#   local -A hash_arr=( a b c d )
#   -zcrasis_util_swap 'hash_arr[a]' 'hash_arr[b]'
#
# $1 - name of first variable to swap
# $2 - name of second variable to swap
```

Has 4 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_action_move_down
-zcrasis_action_move_up
```

## **-zcrasis-process-buffer**

Has 134 line(s). Calls functions:

```
-zcrasis-process-buffer
'-- -zcrasis_dbg_msg
```

Called by:

```
-zcrasis-tokenize-zsh-rc
```

## is-at-least

Has 56 line(s). Doesn't call other functions.

Called by:

```
-zcrasis_set_zui_palette
```