zplugin.zsh(1)

NAME

zplugin.zsh - a shell script

SYNOPSIS

Documentation automatically generated with `zshelldoc'

FUNCTIONS

```
pmodload
zpcdclear
zpcdreplay
zpcompdef
zpcompinit
-zplg-add-report
-zplg-any-to-user-plugin
-zplg-clear-debug-report
-zplg-compdef-clear
-zplg-compdef-replay
-zplg-debug-start
-zplg-debug-stop
-zplg-debug-unload
-zplg-deploy-message
-zplg-diff
-zplg-diff-env
-zplg-diff-functions
-zplg-diff-options
-zplg-diff-parameter
-zplg-find-other-matches
-zplg-ice
-zplg-load
-zplg-load-plugin
-zplg-load-snippet
-zplg-pack-ice
-zplg-prepare-home
-zplg-register-plugin
@zplg-register-z-plugin
--zplg-reload-and-run
-zplg-run-task
-zplg-service
--zplg-shadow-alias
--zplg-shadow-autoload
--zplg-shadow-bindkey
--zplg-shadow-compdef
-zplg-shadow-off
-zplg-shadow-on
--zplg-shadow-zle
--zplg-shadow-zstyle
-zplg-submit-turbo
-zplg-unregister-plugin
-zplg-wrap-track-functions
zplugin
-zplugin_scheduler_add_sh
AUTOLOAD add-zsh-hook
AUTOLOAD compinit
AUTOLOAD is-at-least
PRECMD-HOOK -zplg-scheduler
```

DETAILS

Script Body

Has 117 line(s). Calls functions:

```
Script-Body
|-- add-zsh-hook
|-- is-at-least
`-- -zplg-prepare-home
```

Uses feature(s): *alias, autoload, export, setopt, zmodload, zstyle*

Exports (environment): ZPFX

pmodload

> Compatibility with Prezto. Calls can be recursive.

Has 9 line(s). Calls functions:

```
pmodload
`-- -zplg-load-snippet
    |-- -zplg-deploy-message
    |-- -zplg-pack-ice
    |-- -zplg-wrap-track-functions
    `-- zplugin-install.zsh/-zplg-download-snippet
```

Uses feature(s): *zstyle*

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

zpcdclear

> A wrapper for `zplugin cdclear -q` which can be called from hook
> ices like the atinit'', atload'', etc. ices.

Has 1 line(s). Calls functions:

```
zpcdclear
`-- -zplg-compdef-clear
```

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

zpcdreplay

> A function that can be invoked from within `atinit', `atload', etc.
> ice-mod. It works like `zplugin cdreplay', which cannot be invoked
> from such hook ices.

Has 1 line(s). Calls functions:

```
zpcdreplay
`-- -zplg-compdef-replay
```

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

zpcompdef

> Stores compdef for a replay with `zpcdreplay' (turbo mode) or
> with `zplugin cdreplay' (normal mode). An utility functton of
> an undefined use case.

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

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

zpcompinit

> A function that can be invoked from within `atinit', `atload', etc.
> ice-mod. It runs `autoload compinit; compinit' and respects
> ZPLGM[ZCOMPDUMP_PATH] and ZPLGM[COMPINIT_OPTS].

Has 1 line(s). Calls functions:

```
zpcompinit
`-- compinit
```

Uses feature(s): *autoload*

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

-zplg-add-report

> Adds a report line for given plugin.

> $1 - uspl2, i.e. user/plugin
> $2, ... - the text

Has 2 line(s). Doesn't call other functions.

Called by:

```
-zplg-load-plugin
--zplg-shadow-alias
--zplg-shadow-autoload
--zplg-shadow-bindkey
--zplg-shadow-compdef
--zplg-shadow-zle
--zplg-shadow-zstyle
```

-zplg-any-to-user-plugin

> Allows elastic plugin-spec across the code.

> $1 - plugin spec (2 formats: user/plugin, user plugin)
> $2 - plugin (only when $1 - i.e. user - given)

> Returns user and plugin in $reply

Has 23 line(s). Doesn't call other functions.

Called by:

```
-zplg-load
-zplg-unregister-plugin
zplugin-autoload.zsh/-zplg-any-to-uspl2
zplugin-autoload.zsh/-zplg-changes
zplugin-autoload.zsh/-zplg-compiled
zplugin-autoload.zsh/-zplg-compile-uncompile-all
zplugin-autoload.zsh/-zplg-compute-ice
zplugin-autoload.zsh/-zplg-create
zplugin-autoload.zsh/-zplg-delete
zplugin-autoload.zsh/-zplg-edit
zplugin-autoload.zsh/-zplg-find-completions-of-plugin
zplugin-autoload.zsh/-zplg-get-path
zplugin-autoload.zsh/-zplg-glance
zplugin-autoload.zsh/-zplg-show-report
zplugin-autoload.zsh/-zplg-stress
zplugin-autoload.zsh/-zplg-uncompile-plugin
zplugin-autoload.zsh/-zplg-unload
zplugin-autoload.zsh/-zplg-update-or-status-all
zplugin-autoload.zsh/-zplg-update-or-status
zplugin-install.zsh/-zplg-compile-plugin
zplugin-install.zsh/-zplg-get-latest-gh-r-version
zplugin-install.zsh/-zplg-install-completions
zplugin-side.zsh/-zplg-any-colorify-as-uspl2
zplugin-side.zsh/-zplg-exists-physically
zplugin-side.zsh/-zplg-first
```

-zplg-clear-debug-report

> Forgets dtrace repport gathered up to this moment.

Has 1 line(s). Calls functions:

```
-zplg-clear-debug-report
`-- zplugin-autoload.zsh/-zplg-clear-report-for
```

Called by:

```
zplugin
zplugin-autoload.zsh/-zplg-unload
```

-zplg-compdef-clear

> Implements user-exposed functionality to clear gathered compdefs.

Has 3 line(s). Doesn't call other functions.

Called by:

```
zpcdclear
zplugin
```

-zplg-compdef-replay

> Runs gathered compdef calls. This allows to run `compinit`
> after loading plugins.

Has 16 line(s). Doesn't call other functions.

Called by:

```
zpcdreplay
zplugin
```

-zplg-debug-start

> Starts Dtrace, i.e. session tracking for changes in Zsh state.

Has 9 line(s). Calls functions:

```
-zplg-debug-start
|-- -zplg-diff
|   |-- -zplg-diff-env
|   |-- -zplg-diff-functions
|   |-- -zplg-diff-options
|   `-- -zplg-diff-parameter
`-- -zplg-shadow-on
```

Called by:

```
zplugin
```

-zplg-debug-stop

> Stops Dtrace, i.e. session tracking for changes in Zsh state.

Has 3 line(s). Calls functions:

```
-zplg-debug-stop
|-- -zplg-diff
|   |-- -zplg-diff-env
|   |-- -zplg-diff-functions
|   |-- -zplg-diff-options
|   `-- -zplg-diff-parameter
`-- -zplg-shadow-off
```

Called by:

```
zplugin
```

-zplg-debug-unload

> Reverts changes detected by dtrace run.

Has 5 line(s). Calls functions:

```
-zplg-debug-unload
`-- zplugin-autoload.zsh/-zplg-unload
```

Called by:

```
zplugin
```

-zplg-deploy-message

> Deploys a sub-prompt message to be displayed OR a `zle
> .reset-prompt' call to be invoked

Has 12 line(s). Doesn't call other functions.

Uses feature(s): *read, zle*

Called by:

```
-zplg-load-snippet
-zplg-load
```

-zplg-diff

> Performs diff actions of all types

Has 4 line(s). Calls functions:

```
-zplg-diff
|-- -zplg-diff-env
|-- -zplg-diff-functions
|-- -zplg-diff-options
`-- -zplg-diff-parameter
```

Called by:

```
-zplg-debug-start
-zplg-debug-stop
-zplg-load-plugin
```

-zplg-diff-env

> Implements detection of change in PATH and FPATH.
>
> ```
> $1 - user/plugin (i.e. uspl2 format)
> $2 - command, can be "begin" or "end"
> ```

Has 18 line(s). Doesn't call other functions.

Called by:

```
-zplg-diff
-zplg-load-plugin
```

-zplg-diff-functions

```
Implements detection of newly created functions. Performs
data gathering, computation is done in *-compute().
```

```
$1 - user/plugin (i.e. uspl2 format)
$2 - command, can be "begin" or "end"
```

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

Called by:

```
-zplg-diff
```

-zplg-diff-options

```
Implements detection of change in option state. Performs
data gathering, computation is done in *-compute().
```

```
$1 - user/plugin (i.e. uspl2 format)
$2 - command, can be "begin" or "end"
```

Has 7 line(s). Doesn't call other functions.

Called by:

```
-zplg-diff
```

-zplg-diff-parameter

```
Implements detection of change in any parameter's existence and type.
Performs data gathering, computation is done in *-compute().
```

```
$1 - user/plugin (i.e. uspl2 format)
$2 - command, can be "begin" or "end"
```

Has 9 line(s). Doesn't call other functions.

Called by:

```
-zplg-diff
```

-zplg-find-other-matches

> Plugin's main source file is in general `name.plugin.zsh`. However,
> there can be different conventions, if that file is not found, then
> this functions examines other conventions in order of most expected
> sanity.

Has 14 line(s). Doesn't call other functions.

Called by:

```
-zplg-load-plugin
zplugin-side.zsh/-zplg-first
```

-zplg-ice

> Parses ICE specification (`zplg ice' subcommand), puts the result
> into ZPLG_ICE global hash. The ice-spec is valid for next command
> only (i.e. it "melts"), but it can then stick to plugin and activate
> e.g. at update.

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

Uses feature(s): *setopt*

Called by:

```
zplugin
```

Environment variables used: ZPFX

-zplg-load

> Implements the exposed-to-user action of loading a plugin.

> $1 - plugin spec (4 formats: user---plugin, user/plugin, user, plugin)
> $2 - plugin name, if the third format is used

Has 42 line(s). Calls functions:

```
-zplg-load
|-- -zplg-any-to-user-plugin
|-- -zplg-deploy-message
|-- -zplg-load-plugin
|    |-- -zplg-add-report
|    |-- -zplg-diff
|    |   |-- -zplg-diff-env
|    |   |-- -zplg-diff-functions
|    |   |-- -zplg-diff-options
|    |   `-- -zplg-diff-parameter
|    |-- -zplg-diff-env
|    |-- -zplg-find-other-matches
|    |-- -zplg-shadow-off
|    |-- -zplg-shadow-on
|    `-- -zplg-wrap-track-functions
|-- -zplg-pack-ice
|-- -zplg-register-plugin
`-- zplugin-install.zsh/-zplg-setup-plugin-dir
```

Uses feature(s): *eval, setopt, source, zle*

Called by:

```
-zplg-run-task
-zplg-service
zplugin
```

-zplg-load-plugin

```
Lower-level function for loading a plugin.
```

```
$1 - user
$2 - plugin
$3 - mode (light or load)
```

Has 96 line(s). Calls functions:

```
-zplg-load-plugin
|-- -zplg-add-report
|-- -zplg-diff
|    |-- -zplg-diff-env
|    |-- -zplg-diff-functions
|    |-- -zplg-diff-options
|    `-- -zplg-diff-parameter
|-- -zplg-diff-env
|-- -zplg-find-other-matches
|-- -zplg-shadow-off
|-- -zplg-shadow-on
`-- -zplg-wrap-track-functions
```

Uses feature(s): *eval, setopt, source, zle*

Called by:

```
-zplg-load
```

-zplg-load-snippet

> Implements the exposed-to-user action of loading a snippet.

> $1 - url (can be local, absolute path)

Has 180 line(s). Calls functions:

```
-zplg-load-snippet
|-- -zplg-deploy-message
|-- -zplg-pack-ice
|-- -zplg-wrap-track-functions
`-- zplugin-install.zsh/-zplg-download-snippet
```

Uses feature(s): *autoload, eval, setopt, source, unfunction, zparseopts, zstyle*

Called by:

```
pmodload
-zplg-run-task
-zplg-service
zplugin
zplugin-autoload.zsh/-zplg-update-or-status-snippet
```

-zplg-pack-ice

> Remembers all ice-mods, assigns them to concrete plugin. Ice spec
> is in general forgotten for second-next command (that's why it's
> called "ice" - it melts), however they glue to the object (plugin
> or snippet) mentioned in the next command □ for later use with e.g.
> `zplugin update ...'

Has 3 line(s). Doesn't call other functions.

Called by:

```
-zplg-load-snippet
-zplg-load
zplugin-autoload.zsh/-zplg-compute-ice
```

-zplg-prepare-home

> Creates all directories needed by Zplugin, first checks if they
> already exist.

Has 28 line(s). Doesn't call other functions.

Called by:

```
Script-Body
```

Environment variables used: ZPFX

-zplg-register-plugin

> Adds the plugin to ZPLG_REGISTERED_PLUGINS array and to the
> zsh_loaded_plugins array (managed according to the plugin standard:
> http://zdharma.org/Zsh-100-Commits-Club/Zsh-Plugin-Standard.html)

Has 23 line(s). Doesn't call other functions.

Called by:

```
-zplg-load
```

@zplg-register-z-plugin

> Registers the z-plugin inside Zplugin i.e. an Zplugin extension

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

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

--zplg-reload-and-run

> Marks given function ($3) for autoloading, and executes it triggering the
> load. $1 is the fpath dedicated to the function, $2 are autoload options.
> This function replaces "autoload -X", because using that on older Zsh
> versions causes problems with traps.

> So basically one creates function stub that calls --zplg-reload-and-run()
> instead of "autoload -X".

> $1 - FPATH dedicated to function
> $2 - autoload options
> $3 - function name (one that needs autoloading)

> Author: Bart Schaefer

Has 7 line(s). Doesn't call other functions.

Uses feature(s): *autoload, unfunction*

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

-zplg-run-task

A backend, worker function of -zplg-scheduler. It obtains the tasks index and a few of its properties (like the type: plugin, snippet, service plugin, service snippet) and executes it first checking for additional conditions (like non-numeric wait'' ice).

$1 - the pass number, either 1st or 2nd pass
$2 - the time assigned to the task
$3 - type: plugin, snippet, service plugin, service snippet
$4 - task's index in the ZPLGM[WAIT_ICE_...] fields
$5 - mode: load or light
$6 - the plugin-spec or snippet URL or alias name (from id-as'')

Has 41 line(s). Calls functions:

```
-zplg-run-task
|-- -zplg-load
|   |-- -zplg-any-to-user-plugin
|   |-- -zplg-deploy-message
|   |-- -zplg-load-plugin
|   |   |-- -zplg-add-report
|   |   |-- -zplg-diff
|   |   |   |-- -zplg-diff-env
|   |   |   |-- -zplg-diff-functions
|   |   |   |-- -zplg-diff-options
|   |   |   `-- -zplg-diff-parameter
|   |   |-- -zplg-diff-env
|   |   |-- -zplg-find-other-matches
|   |   |-- -zplg-shadow-off
|   |   |-- -zplg-shadow-on
|   |   `-- -zplg-wrap-track-functions
|   |-- -zplg-pack-ice
|   |-- -zplg-register-plugin
|   `-- zplugin-install.zsh/-zplg-setup-plugin-dir
|-- -zplg-load-snippet
|   |-- -zplg-deploy-message
|   |-- -zplg-pack-ice
|   |-- -zplg-wrap-track-functions
|   `-- zplugin-install.zsh/-zplg-download-snippet
`-- zplugin-autoload.zsh/-zplg-unload
```

Uses feature(s): *eval, source, zle, zpty*

Called by:

```
-zplg-scheduler
```

-zplg-scheduler

Searches for timeout tasks, executes them. There's an array of tasks
waiting for execution, this scheduler manages them, detects which ones
should be run at current moment, decides to remove (or not) them from
the array after execution.

$1 - if "following", then it is non-first (second and more)
invocation of the scheduler; this results in chain of `sched'
invocations that results in repetitive -zplg-scheduler activity

if "burst", then all tasks are marked timeout and executed one
by one; this is handy if e.g. a docker image starts up and
needs to install all turbo-mode plugins without any hesitation
(delay), i.e. "burst" allows to run package installations from
script, not from prompt

Has 62 line(s). **Is a precmd hook**. Calls functions:

```
-zplg-scheduler
|-- add-zsh-hook
`-- -zplg-run-task
    |-- -zplg-load
    |   |-- -zplg-any-to-user-plugin
    |   |-- -zplg-deploy-message
    |   |-- -zplg-load-plugin
    |   |   |-- -zplg-add-report
    |   |   |-- -zplg-diff
    |   |   |   |-- -zplg-diff-env
    |   |   |   |-- -zplg-diff-functions
    |   |   |   |-- -zplg-diff-options
    |   |   |   `-- -zplg-diff-parameter
    |   |   |-- -zplg-diff-env
    |   |   |-- -zplg-find-other-matches
    |   |   |-- -zplg-shadow-off
    |   |   |-- -zplg-shadow-on
    |   |   `-- -zplg-wrap-track-functions
    |   |-- -zplg-pack-ice
    |   |-- -zplg-register-plugin
    |   `-- zplugin-install.zsh/-zplg-setup-plugin-dir
    |-- -zplg-load-snippet
    |   |-- -zplg-deploy-message
    |   |-- -zplg-pack-ice
    |   |-- -zplg-wrap-track-functions
    |   `-- zplugin-install.zsh/-zplg-download-snippet
    `-- zplugin-autoload.zsh/-zplg-unload
```

Uses feature(s): *sched*, *setopt*, *zle*

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

-zplg-service

```
Handles given service, i.e. obtains lock, runs it, or waits if no lock
```

```
$1 - type "p" or "s" (plugin or snippet)
$2 - mode - for plugin (light or load)
$3 - id - URL or plugin ID or alias name (from id-as'')
```

Has 30 line(s). Calls functions:

```
-zplg-service
|-- -zplg-load
|    |-- -zplg-any-to-user-plugin
|    |-- -zplg-deploy-message
|    |-- -zplg-load-plugin
|    |    |-- -zplg-add-report
|    |    |-- -zplg-diff
|    |    |    |-- -zplg-diff-env
|    |    |    |-- -zplg-diff-functions
|    |    |    |-- -zplg-diff-options
|    |    |    `-- -zplg-diff-parameter
|    |    |-- -zplg-diff-env
|    |    |-- -zplg-find-other-matches
|    |    |-- -zplg-shadow-off
|    |    |-- -zplg-shadow-on
|    |    `-- -zplg-wrap-track-functions
|    |-- -zplg-pack-ice
|    |-- -zplg-register-plugin
|    `-- zplugin-install.zsh/-zplg-setup-plugin-dir
`-- -zplg-load-snippet
     |-- -zplg-deploy-message
     |-- -zplg-pack-ice
     |-- -zplg-wrap-track-functions
     `-- zplugin-install.zsh/-zplg-download-snippet
```

Uses feature(s): *kill*, *read*

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

--zplg-shadow-alias

Function defined to hijack plugin's calls to `alias` builtin.

The hijacking is to gather report data (which is used in unload).

Has 35 line(s). Calls functions:

```
--zplg-shadow-alias
`-- -zplg-add-report
```

Uses feature(s): *alias, setopt, zparseopts*

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

--zplg-shadow-autoload

> Function defined to hijack plugin's calls to `autoload` builtin.

> The hijacking is not only to gather report data, but also to run custom `autoload` function, that doesn't need FPATH.

Has 49 line(s). Calls functions:

```
--zplg-shadow-autoload
`-- -zplg-add-report
```

Uses feature(s): *autoload, eval, setopt, zparseopts*

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

--zplg-shadow-bindkey

> Function defined to hijack plugin's calls to `bindkey` builtin.

> The hijacking is to gather report data (which is used in unload).

Has 105 line(s). Calls functions:

```
--zplg-shadow-bindkey
|-- is-at-least
`-- -zplg-add-report
```

Uses feature(s): *bindkey, setopt, zparseopts*

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

--zplg-shadow-compdef

> Function defined to hijack plugin's calls to `compdef` function. The hijacking is not only for reporting, but also to save compdef calls so that `compinit` can be called after loading plugins.

Has 5 line(s). Calls functions:

```
--zplg-shadow-compdef
`-- -zplg-add-report
```

Uses feature(s): *setopt*

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

-zplg-shadow-off

> Turn off shadowing completely for a given mode ("load", "light",
> "light-b" (i.e. the `trackbinds' mode) or "compdef").

Has 18 line(s). Doesn't call other functions.

Uses feature(s): *setopt*, *unfunction*

Called by:

```
-zplg-debug-stop
-zplg-load-plugin
```

-zplg-shadow-on

> Turn on shadowing of builtins and functions according to passed
> mode ("load", "light", "light-b" or "compdef"). The shadowing is
> to gather report data, and to hijack `autoload', `bindkey' and
> `compdef' calls.

Has 25 line(s). Doesn't call other functions.

Called by:

```
-zplg-debug-start
-zplg-load-plugin
```

--zplg-shadow-zle

> Function defined to hijack plugin's calls to `zle' builtin.

> The hijacking is to gather report data (which is used in unload).

Has 37 line(s). Calls functions:

```
--zplg-shadow-zle
`-- -zplg-add-report
```

Uses feature(s): *setopt*, *zle*

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

--zplg-shadow-zstyle

> Function defined to hijack plugin's calls to `zstyle` builtin.

> The hijacking is to gather report data (which is used in unload).

Has 22 line(s). Calls functions:

```
--zplg-shadow-zstyle
`-- -zplg-add-report
```

Uses feature(s): *setopt*, *zparseopts*, *zstyle*

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

-zplg-submit-turbo

> If `zplugin load`, `zplugin light` or `zplugin snippet` will be
> preceded with `wait', `load', `unload' or `on-update-of`/`subscribe'
> ice-mods then the plugin or snipped is to be loaded in turbo-mode,
> and this function adds it to internal data structures, so that
> -zplg-scheduler can run (load, unload) this as a task.

Has 14 line(s). Doesn't call other functions.

Called by:

```
zplugin
```

-zplg-unregister-plugin

> Removes the plugin from ZPLG_REGISTERED_PLUGINS array and from the
> zsh_loaded_plugins array (managed according to the plugin standard)

Has 5 line(s). Calls functions:

```
-zplg-unregister-plugin
`-- -zplg-any-to-user-plugin
```

Called by:

```
zplugin-autoload.zsh/-zplg-unload
```

-zplg-wrap-track-functions

Has 19 line(s). Doesn't call other functions.

Uses feature(s): *eval*

Called by:

```
-zplg-load-plugin
-zplg-load-snippet
```

zplugin

> Main function directly exposed to user, obtains subcommand and its
> arguments, has completion.

Has 290 line(s). Calls functions:

```
zplugin
|-- compinit
|-- -zplg-clear-debug-report
|    `-- zplugin-autoload.zsh/-zplg-clear-report-for
|-- -zplg-compdef-clear
|-- -zplg-compdef-replay
|-- -zplg-debug-start
|    |-- -zplg-diff
|    |    |-- -zplg-diff-env
|    |    |-- -zplg-diff-functions
|    |    |-- -zplg-diff-options
|    |    `-- -zplg-diff-parameter
|    `-- -zplg-shadow-on
```

```
|-- -zplg-debug-stop
|   |-- -zplg-diff
|   |   |-- -zplg-diff-env
|   |   |-- -zplg-diff-functions
|   |   |-- -zplg-diff-options
|   |   `-- -zplg-diff-parameter
|   `-- -zplg-shadow-off
|-- -zplg-debug-unload
|   `-- zplugin-autoload.zsh/-zplg-unload
|-- -zplg-ice
|-- -zplg-load
|   |-- -zplg-any-to-user-plugin
|   |-- -zplg-deploy-message
|   |-- -zplg-load-plugin
|   |   |-- -zplg-add-report
|   |   |-- -zplg-diff
|   |   |   |-- -zplg-diff-env
|   |   |   |-- -zplg-diff-functions
|   |   |   |-- -zplg-diff-options
|   |   |   `-- -zplg-diff-parameter
|   |   |-- -zplg-diff-env
|   |   |-- -zplg-find-other-matches
|   |   |-- -zplg-shadow-off
|   |   |-- -zplg-shadow-on
|   |   `-- -zplg-wrap-track-functions
|   |-- -zplg-pack-ice
|   |-- -zplg-register-plugin
|   `-- zplugin-install.zsh/-zplg-setup-plugin-dir
|-- -zplg-load-snippet
|   |-- -zplg-deploy-message
|   |-- -zplg-pack-ice
|   |-- -zplg-wrap-track-functions
|   `-- zplugin-install.zsh/-zplg-download-snippet
|-- -zplg-submit-turbo
|-- zplugin-autoload.zsh/-zplg-cdisable
|-- zplugin-autoload.zsh/-zplg-cenable
|-- zplugin-autoload.zsh/-zplg-clear-completions
|-- zplugin-autoload.zsh/-zplg-compiled
|-- zplugin-autoload.zsh/-zplg-compile-uncompile-all
|-- zplugin-autoload.zsh/-zplg-compinit
|-- zplugin-autoload.zsh/-zplg-help
|-- zplugin-autoload.zsh/-zplg-list-bindkeys
|-- zplugin-autoload.zsh/-zplg-list-compdef-replay
|-- zplugin-autoload.zsh/-zplg-ls
|-- zplugin-autoload.zsh/-zplg-module
|-- zplugin-autoload.zsh/-zplg-recently
|-- zplugin-autoload.zsh/-zplg-search-completions
|-- zplugin-autoload.zsh/-zplg-self-update
|-- zplugin-autoload.zsh/-zplg-show-all-reports
|-- zplugin-autoload.zsh/-zplg-show-completions
|-- zplugin-autoload.zsh/-zplg-show-debug-report
```

```
|-- zplugin-autoload.zsh/-zplg-show-registered-plugins
|-- zplugin-autoload.zsh/-zplg-show-report
|-- zplugin-autoload.zsh/-zplg-show-times
|-- zplugin-autoload.zsh/-zplg-show-zstatus
|-- zplugin-autoload.zsh/-zplg-uncompile-plugin
|-- zplugin-autoload.zsh/-zplg-uninstall-completions
|-- zplugin-autoload.zsh/-zplg-unload
|-- zplugin-autoload.zsh/-zplg-update-or-status
|-- zplugin-autoload.zsh/-zplg-update-or-status-all
|-- zplugin-install.zsh/-zplg-compile-plugin
|-- zplugin-install.zsh/-zplg-forget-completion
`-- zplugin-install.zsh/-zplg-install-completions
```

Uses feature(s): *autoload, eval, setopt, source*

Called by:

```
script/Script-Body
test-excl-id-as/Script-Body
test-id-as/Script-Body
```

-zplugin_scheduler_add_sh

> Copies task into ZPLG_RUN array, called when a task timeouts.
> A small function ran from pattern in /-substitution as a math
> function.

Has 7 line(s). Doesn't call other functions.

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

add-zsh-hook

> Add to HOOK the given FUNCTION.
> HOOK is one of chpwd, precmd, preexec, periodic, zshaddhistory,
> zshexit, zsh_directory_name (the _functions subscript is not required).

> With -d, remove the function from the hook instead; delete the hook
> variable if it is empty.

> -D behaves like -d, but pattern characters are active in the
> function name, so any matching function will be deleted from the hook.

Has 93 line(s). Doesn't call other functions.

Uses feature(s): *autoload*, *getopts*

Called by:

```
Script-Body
-zplg-scheduler
```

compinit

> Initialisation for new style completion. This mainly contains some helper
> functions and setup. Everything else is split into different files that
> will automatically be made autoloaded (see the end of this file). The
> names of the files that will be considered for autoloading are those that
> begin with an underscores (like `_condition).

> The first line of each of these files is read and must indicate what
> should be done with its contents:

> `#compdef <names ...>'

Has 549 line(s). Doesn't call other functions.

Uses feature(s): *autoload*, *bindkey*, *eval*, *read*, *setopt*, *unfunction*, *zle*, *zstyle*

Called by:

```
zpcompinit
zplugin
```

is-at-least

> Test whether $ZSH_VERSION (or some value of your choice, if a second argument
> is provided) is greater than or equal to x.y.z-r (in argument one). In fact,
> it'll accept any dot/dash-separated string of numbers as its second argument
> and compare it to the dot/dash-separated first argument. Leading non-number
> parts of a segment (such as the "zefram" in 3.1.2-zefram4) are not considered
> when the comparison is done; only the numbers matter. Any left-out segments
> in the first argument that are present in the version string compared are
> considered as zeroes, eg 3 == 3.0 == 3.0.0 == 3.0.0.0 and so on.

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

Called by:

```
Script-Body
--zplg-shadow-bindkey
```