

zsh-autosuggestions.zsh(1)

# NAME

zsh-autosuggestions.zsh - a shell script

## SYNOPSIS

Documentation automatically generated with `zshelldoc`

## FUNCTIONS

```
Ê_zsh_autosuggest_accept
Ê_zsh_autosuggest_async_ptty_create
Ê_zsh_autosuggest_async_ptty_destroy
Ê_zsh_autosuggest_async_request
Ê_zsh_autosuggest_async_response
Ê_zsh_autosuggest_async_server
Ê_zsh_autosuggest_async_start
Ê_zsh_autosuggest_bind_widget
Ê_zsh_autosuggest_clear
Ê_zsh_autosuggest_disable
Ê_zsh_autosuggest_enable
Ê_zsh_autosuggest_escape_command
Ê_zsh_autosuggest_execute
Ê_zsh_autosuggest_feature_detect_zpty_returns_fd
Ê_zsh_autosuggest_fetch
Ê_zsh_autosuggest_get_bind_count
Ê_zsh_autosuggest_highlight_apply
Ê_zsh_autosuggest_highlight_reset
Ê_zsh_autosuggest_increment_bind_count
Ê_zsh_autosuggest_invoke_original_widget
Ê_zsh_autosuggest_modify
Ê_zsh_autosuggest_partial_accept
Ê_zsh_autosuggest_strategy_default
Ê_zsh_autosuggest_strategy_match_prev_cmd
Ê_zsh_autosuggest_suggest
Ê_zsh_autosuggest_toggle
AUTOLOAD add-zsh-hook
PRECMD-HOOK _zsh_autosuggest_async_ptty_recreate
PRECMD-HOOK _zsh_autosuggest_bind_widgets
PRECMD-HOOK _zsh_autosuggest_start
```

## DETAILS

# Script Body

Has 71 line(s). Calls functions:

```
Script-Body
`-- add-zsh-hook
```

## \_zsh\_autosuggest\_accept

```
# Accept the entire suggestion
```

Has 11 line(s). Calls functions:

```
_zsh_autosuggest_accept
`-- _zsh_autosuggest_invoke_original_widget
```

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

## \_zsh\_autosuggest\_async\_pty\_create

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

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

Called by:

```
_zsh_autosuggest_async_pty_recreate
```

## \_zsh\_autosuggest\_async\_pty\_destroy

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

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

Called by:

```
_zsh_autosuggest_async_pty_recreate
```

## \_zsh\_autosuggest\_async\_pty\_recreate

Has 2 line(s). Is a precmd hook. Calls functions:

```
_zsh_autosuggest_async_pty_recreate  
|-- _zsh_autosuggest_async_pty_create  
`-- _zsh_autosuggest_async_pty_destroy
```

Called by:

```
_zsh_autosuggest_async_start
```

## `_zsh_autosuggest_async_request`

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

Uses feature(s): *zpty*

Called by:

```
_zsh_autosuggest_fetch
```

## `_zsh_autosuggest_async_response`

```
# Called when new data is ready to be read from the pty  
# First arg will be fd ready for reading  
# Second arg will be passed in case of error
```

Has 6 line(s). Doesn't call other functions.

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

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

## `_zsh_autosuggest_async_server`

```
# Zpty process is spawned running this function
```

Has 21 line(s). Doesn't call other functions.

Uses feature(s): *kill*

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



```
_zsh_autosuggest_bind_widgets
`-- _zsh_autosuggest_bind_widget
Ê |-- _zsh_autosuggest_get_bind_count
Ê `-- _zsh_autosuggest_incr_bind_count
```

Called by:

```
_zsh_autosuggest_start
```

## `_zsh_autosuggest_clear`

```
# Clear the suggestion
```

Has 3 line(s). Calls functions:

```
_zsh_autosuggest_clear
`-- _zsh_autosuggest_invoke_original_widget
```

Called by:

```
_zsh_autosuggest_disable
```

## `_zsh_autosuggest_disable`

```
# Disable suggestions
```

Has 2 line(s). Calls functions:

```
_zsh_autosuggest_disable
`-- _zsh_autosuggest_clear
Ê `-- _zsh_autosuggest_invoke_original_widget
```

Called by:

```
_zsh_autosuggest_toggle
```

## `_zsh_autosuggest_enable`

```
# Enable suggestions
```

Has 5 line(s). Calls functions:

```
_zsh_autosuggest_enable  
`-- _zsh_autosuggest_fetch  
Ê |-- _zsh_autosuggest_async_request  
Ê `-- _zsh_autosuggest_suggest
```

Called by:

```
_zsh_autosuggest_toggle
```

## `_zsh_autosuggest_escape_command`

```
#-----#  
# Utility Functions                                #  
#-----#
```

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

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

## `_zsh_autosuggest_execute`

```
# Accept the entire suggestion and execute it
```

Has 3 line(s). Calls functions:

```
_zsh_autosuggest_execute  
`-- _zsh_autosuggest_invoke_original_widget
```

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

## `_zsh_autosuggest_feature_detect_zpty_returns_fd`

```
#-----#  
# Feature Detection                                #  
#-----#
```

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

Uses feature(s): *zpty*

Called by:

```
_zsh_autosuggest_async_start
```

## `_zsh_autosuggest_fetch`

```
# Fetch a new suggestion based on what's currently in the buffer
```

Has 7 line(s). Calls functions:

```
_zsh_autosuggest_fetch  
|-- _zsh_autosuggest_async_request  
`-- _zsh_autosuggest_suggest
```

Uses feature(s): *zpty*

Called by:

```
_zsh_autosuggest_enable  
_zsh_autosuggest_modify
```

## `_zsh_autosuggest_get_bind_count`

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

Called by:

```
_zsh_autosuggest_bind_widget
```

## `_zsh_autosuggest_highlight_apply`

```
# If there's a suggestion, highlight it
```



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

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

## `_zsh_autosuggest_highlight_reset`

```
# If there was a highlight, remove it
```

Has 6 line(s). Doesn't call other functions.

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

## `_zsh_autosuggest_incr_bind_count`

```
#-----#  
# Widget Helpers                                #  
#-----#
```

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

Called by:

```
_zsh_autosuggest_bind_widget
```

## `_zsh_autosuggest_invoke_original_widget`

```
# Given the name of an original widget and args, invoke it, if it exists
```

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

Uses feature(s): *zle*

Called by:

```
_zsh_autosuggest_accept  
_zsh_autosuggest_clear  
_zsh_autosuggest_execute  
_zsh_autosuggest_modify  
_zsh_autosuggest_partial_accept
```



```

_zsh_autosuggest_start
|-- _zsh_autosuggest_async_start
|ÊÊ |-- _zsh_autosuggest_async_ptty_recreate
|ÊÊ ÊÊ |-- _zsh_autosuggest_async_ptty_create
|ÊÊ ÊÊ `-- _zsh_autosuggest_async_ptty_destroy
|ÊÊ |-- _zsh_autosuggest_feature_detect_zpty_returns_fd
|ÊÊ `-- add-zsh-hook
|-- _zsh_autosuggest_bind_widgets
|ÊÊ `-- _zsh_autosuggest_bind_widget
|ÊÊ     |-- _zsh_autosuggest_get_bind_count
|ÊÊ     `-- _zsh_autosuggest_increment_bind_count
`-- add-zsh-hook

```

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

## `_zsh_autosuggest_strategy_default`

```

#-----#
# Default Suggestion Strategy                                #
#-----#
# Suggests the most recent history item that matches the given
# prefix.

```

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

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

## `_zsh_autosuggest_strategy_match_prev_cmd`

```
#-----#
# Match Previous Command Suggestion Strategy #
#-----#
# Suggests the most recent history item that matches the given
# prefix and whose preceding history item also matches the most
# recently executed command.
#
# For example, suppose your history has the following entries:
#   - pwd
#   - ls foo
#   - ls bar
#   - pwd
#
# Given the history list above, when you type 'ls', the suggestion
# will be 'ls foo' rather than 'ls bar' because your most recently
# executed command (pwd) was previously followed by 'ls foo'.
#
# Note that this strategy won't work as expected with ZSH options that don't
# preserve the history order such as `HIST_IGNORE_ALL_DUPS` or
# `HIST_EXPIRE_DUPS_FIRST`.
```

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

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

## `_zsh_autosuggest_suggest`

```
# Offer a suggestion
```

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

Called by:

```
_zsh_autosuggest_fetch
```

## `_zsh_autosuggest_toggle`

```
# Toggle suggestions (enable/disable)
```

Has 5 line(s). Calls functions:

```

_zsh_autosuggest_toggle
|-- _zsh_autosuggest_disable
|ÊÊ `-- _zsh_autosuggest_clear
|ÊÊ   `-- _zsh_autosuggest_invoke_original_widget
`-- _zsh_autosuggest_enable
Ê   `-- _zsh_autosuggest_fetch
Ê       |-- _zsh_autosuggest_async_request
Ê       `-- _zsh_autosuggest_suggest

```

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

## add-zsh-hook

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

Uses feature(s): *autoload*

Called by:

```

Script-Body
_zsh_autosuggest_async_start
_zsh_autosuggest_start

```