

# Package ‘errorist’

January 30, 2018

**Title** Automatically Search Errors or Warnings

**Version** 0.0.1

**Description** Provides environment hooks that obtain errors and warnings which occur during the execution of code to automatically search for solutions.

**URL** <https://github.com/coatless/errorist>

**BugReports** <https://github.com/coatless/errorist/issues>

**Depends** R (>= 3.0.0)

**Imports** searcher (>= 0.0.2)

**Suggests** testthat, covr, knitr, rmarkdown

**License** GPL (>= 2)

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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errorist-package      *errorist: Automatically Search Errors or Warnings*

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### Description

Provides environment hooks that obtain errors and warnings which occur during the execution of code to automatically search for solutions.

### Details

By default, `errorist` searches Google for both warnings and errors.

### Author(s)

**Maintainer:** James Balamuta <balamut2@illinois.edu>

### See Also

Useful links:

- <https://github.com/coatless/errorist>
- Report bugs at <https://github.com/coatless/errorist/issues>

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enable\_errorist      *Enable or Disable Errorist's Automatic Search*

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### Description

Activates or disengages the automatic look up of error or warning codes in *R*.

### Usage

```
enable_errorist(error_search_func = getOption("errorist.warning",
  searcher::search_google),
  warning_search_func = getOption("errorist.warning",
  searcher::search_google))
```

```
disable_errorist()
```

### Arguments

`error_search_func`

The search function from `searcher` that should be called when an error or warning occurs. By default, searches are routed through **Google**.

`warning_search_func`

The search function from `searcher` that should be called when an error or warning occurs. By default, searches are routed through **Google**.

## Details

The `enable_errorist()` is automatically called on package start to inject handlers for warnings and errors. When the package is unloaded, `disable_errorist()` is called to remove warnings and errors. If you wish to disable warnings or error individually, please use either `disable_error_shim()` or `disable_warning_shim()`.

## Author(s)

James Joseph Balamuta

## See Also

[enable\\_error\\_shim\(\)](#), [enable\\_warning\\_shim\(\)](#), [disable\\_error\\_shim\(\)](#), [disable\\_warning\\_shim\(\)](#)

## Examples

```
### Default search engine is Google

# Enable automatic search
# NB: This is done automatically on package load.
enable_errorist()

# Some code ...

# Disable automatic search
# NB: This is done automatically on package unload via "detach()"
disable_errorist()

#### Custom search engines

# Enable automatic search with custom search engines
# NB: This is done automatically on package load.
enable_errorist(error_search_func = searcher::search_bing,
                warning_search_func = searcher::search_duckduckgo)

# Some code ...

# Disable automatic search
# NB: This is done automatically on package unload via "detach()"
disable_errorist()
```

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enable\_warning\_shim    *Enable and Disable Warning or Error Capture*

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## Description

Add or remove a listener to top-level task callbacks that checks for whether a new warning or error occurs and then triggers a search browser.

## Usage

```
enable_warning_shim(warning_search_func = getOption("errorist.warning",
  searcher::search_google))
```

```
disable_warning_shim()
```

```
enable_error_shim(error_search_func = getOption("errorist.error",
  searcher::search_google))
```

```
disable_error_shim()
```

## Arguments

`error_search_func`, `warning_search_func`

The search function from [searcher](#) that should be called when an error or warning occurs. By default, searches are routed through [Google](#).

## Details

By default, both [enable\\_warning\\_shim\(\)](#) and [enable\\_error\\_shim\(\)](#) functions are automatically triggered when the `errorist` package is loaded.

## Error Shim

The error shim uses *R*'s default handler for errors set by specifying a function for error in `options()`.

## Warning Shim

For the warning shim, a top-level task callback added to the environment via [base::addTaskCallback\(\)](#). This causes the warning handler to fire each time a new function call occurs in *R* regardless of whether it triggers an error.

## Author(s)

James Joseph Balamuta

## See Also

[base::addTaskCallback\(\)](#)

## Examples

```
# Default setup
enable_warning_shim()

# Some code ...

# Remove the shim
```

```
disable_warning_shim()

# Specify a search function
enable_warning_shim(warning_search_func = searcher::search_google)

# Some code ...

# Remove the shim
disable_warning_shim()

# Enable only the error shim
enable_error_shim()

# Some code ...

# Remove the shim
disable_error_shim()

# Specify a search function
enable_error_shim(error_search_func = searcher::search_google)

# Some code ...

# Remove the shim
disable_error_shim()
```

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