

# Package: errorist (via r-universe)

October 3, 2024

**Title** Automatically Search Errors or Warnings

**Version** 0.1.2

**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-rpkg/errorist>,  
<https://r-pkg.thecoatlessprofessor.com/errorist/>

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

**Depends** R (>= 3.0.0)

**Imports** searcher (>= 0.0.2)

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

**License** GPL (>= 2)

**Encoding** UTF-8

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**Roxygen** list(markdown = TRUE)

**VignetteBuilder** knitr

**Repository** <https://coatless-rpkg.r-universe.dev>

**RemoteUrl** <https://github.com/coatless-rpkg/errorist>

**RemoteRef** HEAD

**RemoteSha** 26952b95460f897afae58ca6a653f7581ea11255

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enable_errorist	<i>Enable or Disable Errorist's Automatic Search</i>
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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, 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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