

# Package ‘searcher’

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**Title** Query Search Interfaces

**Version** 0.0.6

**Description** Provides a search interface to look up terms on 'Google', 'Bing', 'DuckDuckGo', 'Startpage', 'Ecosia', 'rseek', 'Twitter', 'StackOverflow', 'RStudio Community', 'GitHub', and 'BitBucket'. Upon searching, a browser window will open with the aforementioned search results.

**URL** <https://github.com/r-assist/searcher>

**BugReports** <https://github.com/r-assist/searcher/issues>

**Depends** R (>= 3.3.0)

**License** GPL (>= 2)

**Encoding** UTF-8

**RoxygenNote** 7.1.1

**Suggests** testthat (>= 2.1.0), covr, knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

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searcher-package

*searcher: Query Search Interfaces*

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## Description

Provides a search interface to look up terms on 'Google', 'Bing', 'DuckDuckGo', 'Startpage', 'Ecosia', 'rseek', 'Twitter', 'StackOverflow', 'RStudio Community', 'GitHub', and 'BitBucket'. Upon searching, a browser window will open with the aforementioned search results.

## Package Customizations

searcher accesses a set of default values stored in `options()` on each call to keep the function signatures small. By default, these options are given as:

- `searcher.launch_delay`: Amount of time to remain in *R* before opening a browser window. Default is 0.5 seconds.
- `searcher.use_rstudio_viewer`: Display search results in the RStudio viewer pane instead of a web browser. Default is FALSE.
- `searcher.default_keyword`: Suffix keyword to generate accurate results between either "base" or "tidyverse". Default is "base".
- ...

## Author(s)

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## See Also

Useful links:

- <https://github.com/r-assist/searcher>
- Report bugs at <https://github.com/r-assist/searcher/issues>

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`searcher`*Generate a Searcher function for use with Error Handling*

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## Description

Constructs a function object that will search the last R error message on search portals by opening a browser.

## Usage

```
searcher(site, keyword = getOption("searcher.default_keyword"))
```

## Arguments

<code>site</code>	Name of site to search on. Supported options: "google" (default), "bing", "duckduckgo", "startpage", "rstudio community", "twitter", "stackoverflow", "github", and "bitbucket".
<code>keyword</code>	Opt to search under different default terms.

## Details

This function acts as a closure. Thus, you will receive a function back when only specifying the `site` parameter. To call the function, add a second set of parentheses.

## Generic Error Search

The `searcher` function grabs the last error message and tries to search it. This function will ensure that R language is the primary search context.

## Examples

```
### Manually
searcher("google")()

## Not run:
### Automatically
# On error, automatically search the message on google
options(error = searcher("google"))

## End(Not run)
```

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searcher-defunct      *Defunct functions in searcher*

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### Description

Functions listed below are no longer included in the searcher package

### Details

- `search_ixquick()`: The function binding was removed as the search engine name changed to "Startpage". Please use `search_startpage()`.

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search\_site      *Search a Query on a Search Portal in a Web Browser*

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### Description

Creates an appropriate query string for a search engine and then opens up the resulting page in a web browser.

### Usage

```
search_site(
  query,
  site = c("google", "bing", "duckduckgo", "ddg", "startpage", "sp", "rseek",
    "rstudio community", "rscom", "twitter", "stackoverflow", "so", "github", "gh",
    "bitbucket", "bb"),
  rlang = TRUE
)
```

```
search_google(query = geterrmessage(), rlang = TRUE)
```

```
search_bing(query = geterrmessage(), rlang = TRUE)
```

```
search_duckduckgo(query = geterrmessage(), rlang = TRUE)
```

```
search_ddg(query = geterrmessage(), rlang = TRUE)
```

```
search_ixquick(query = geterrmessage(), rlang = TRUE)
```

```
search_startpage(query = geterrmessage(), rlang = TRUE)
```

```
search_sp(query = geterrmessage(), rlang = TRUE)
```

```
search_ecosia(query = geterrmessage(), rlang = TRUE)
```

```
search_rseek(query = geterrmessage(), rlang = TRUE)
search_rstudio_community(query = geterrmessage(), rlang = TRUE)
search_rscom(query = geterrmessage(), rlang = TRUE)
search_twitter(query = geterrmessage(), rlang = TRUE)
search_stackoverflow(query = geterrmessage(), rlang = TRUE)
search_so(query = geterrmessage(), rlang = TRUE)
search_github(query = geterrmessage(), rlang = TRUE)
search_gh(query = geterrmessage(), rlang = TRUE)
search_bitbucket(query = geterrmessage(), rlang = TRUE)
search_bb(query = geterrmessage(), rlang = TRUE)
```

### Arguments

query	Contents of string to search. Default is the error message.
site	Name of site to search on. Supported options: "google" (default), "bing", "duckduckgo", "startpage", "rstudio community", "twitter", "stackoverflow", "github", and "bitbucket".
rlang	Search for results written in R. Default is TRUE

### Value

The generated search URL or an empty string.

### Google Search

The `search_google` function searches **Google** using: <https://www.google.com/search?q=<query>>

See <https://moz.com/blog/the-ultimate-guide-to-the-google-search-parameters> for details.

### Bing Search

The `search_bing()` function searches **Bing** using: <https://www.bing.com/search?q=<query>>

### DuckDuckGo Search

The `search_duckduckgo()` and `search_ddg()` functions both search **DuckDuckGo** using: <https://duckduckgo.com/?q=<query>>

### Startpage Search

The `search_startpage()` function searches **startpage** using: <https://startpage.com/do/dsearch?query=<query>>

For additional details regarding **startpage**'s search interface please see: <https://support.startpage.com/index.php?Knowledgebase/Article/View/1261/0/add-familystartpagecom-as-the-default-search-engine>

### Ecosia Search

The `search_ecosia()` function searches **Ecosia** using: <https://www.ecosia.org/search?q=<query>>

For additional details regarding **Ecosia**'s search interface please see: <https://ecosia.zendesk.com/hc/en-us>

### Rseek Search

The `search_rseek()` function searches **Rseek** using: <https://rseek.org/?q=<query>>

### RStudio Community Search

The `search_rstudio_community()` and `search_rscom()` functions both search **RStudio Community** using: <https://community.rstudio.com/search?q=<query>>

For additional details regarding **RStudio Community**'s search interface please see the **Discourse** API documentation: <https://docs.discourse.org/#tag/Search>

### Twitter Search

The `search_twitter()` functions search **Twitter** using: <https://twitter.com/search?q=<query>>

For additional details regarding **Twitter**'s search interface please see: <https://help.twitter.com/en/using-twitter/twitter-advanced-search>

### StackOverflow Search

The `search_stackoverflow()` and `search_so()` functions both search **StackOverflow** using: <https://stackoverflow.com>

For additional details regarding **StackOverflow**'s search interface please see: <https://stackoverflow.com/help/advanced-search-parameters-jobs>

### GitHub Search

The `search_github()` and `search_gh()` functions both search **GitHub** using: <https://github.com/search?q=<query>+1>

For additional details regarding **GitHub**'s search interface please see: <https://help.github.com/categories/searching-for-information-on-github/> and <https://help.github.com/articles/searching-code/>

### BitBucket Search

The `search_bitbucket()` and `search_bb()` functions both search **BitBucket** using: <https://bitbucket.org/search?q=>

For additional details regarding **BitBucket**'s search interface please see: <https://confluence.atlassian.com/bitbucket/code-search-in-bitbucket-873876782.html>

**See Also**

[search\\_google\(\)](#), [search\\_bing\(\)](#), [search\\_duckduckgo\(\)](#), [search\\_startpage\(\)](#), [search\\_rseek\(\)](#), [search\\_twitter\(\)](#), [search\\_rstudio\\_community\(\)](#), [search\\_stackoverflow\(\)](#), [search\\_github\(\)](#), [search\\_bitbucket\(\)](#), and [searcher\(\)](#)

**Examples**

```
# Search in a generic way
search_site("r-project", "google")

# Search Google
search_google("r-project")

# Search Bing
search_bing("Microsoft R")

# Search DuckDuckGo
search_duckduckgo("R language")

# Search startpage
search_startpage("VS Code")

# Search Rseek
search_rseek("searcher")

# Search RStudio Community
search_rstudio_community("RStudio IDE")

# Search Twitter
search_twitter("searcher")

# Search StackOverflow for Convolutions in the r tag
search_stackoverflow("convolutions")

# Search all languages on StackOverflow for convolutions
search_stackoverflow("convolutions", rlang = FALSE)

# Search GitHub Issues for bivariate normal in the language:r
search_github("bivariate normal")

# Search all languages on GitHub Issues for bivariate normal
search_github("bivariate normal", rlang = FALSE)

# Search BitBucket for assertions
search_bitbucket("assertions")

## Not run:
# On error, automatically search the message on google
options(error = searcher("google"))
options(error = search_google)

## End(Not run)
```

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