

# Package ‘sentryR’

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**Type** Package

**Title** Send Errors and Messages to 'Sentry'

**Version** 1.1.0

**Description** Unofficial client for 'Sentry' <<https://sentry.io>>, a self-hosted or cloud-based error-monitoring service. It will inform about errors in real-time, and includes integration with the 'Plumber' package.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**ByteCompile** true

**URL** <https://github.com/ozean12/sentryR>

**BugReports** <https://github.com/ozean12/sentryR/issues>

**RoxygenNote** 7.0.2

**Imports** htr, jsonlite, stringr, stats, tibble, uuid

**Suggests** covr, httpptest, mockery, testthat (>= 2.1.0)

**NeedsCompilation** no

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**Repository** CRAN

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calls\_to\_stacktrace    *Convert function call to a stack trace*

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### Description

Convert function call to a stack trace

### Usage

```
calls_to_stacktrace(calls)
```

### Arguments

calls                    function calls, e.g. from sys.calls()

### Value

a data.frame

### Examples

```
## Not run:
f <- function() stop("cabin pressure lost")
f()
sentryR::calls_to_stacktrace(sys.calls())

## End(Not run)
```

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capture	<i>Send a message to a Sentry server</i>
---------	--

---

**Description**

Send a message to a Sentry server

**Usage**

```
capture(...)
```

**Arguments**

...            named parameters

**Value**

sends message to Sentry

**Examples**

```
## Not run:  
capture(message = "oh hai there!") # send message to sentry  
  
## End(Not run)
```

---

capture_exception	<i>Report an error or exception object</i>
-------------------	--

---

**Description**

Report an error or exception object

**Usage**

```
capture_exception(error, ..., level = "error")
```

**Arguments**

error            an error object  
...              optional additional named parameters  
level            the level of the message. Default: "error"

**Value**

nothing; sends error to Sentry

**Examples**

```
## Not run:
capture_exception(simpleError("foo"), tags = list(version = "1.0"))

## End(Not run)
```

---

```
capture_function_calls
      Capture function calls
```

---

**Description**

Capture function calls

**Usage**

```
capture_function_calls(error)
```

**Arguments**

error            error object

---

```
capture_message        Report a message to Sentry
```

---

**Description**

Report a message to Sentry

**Usage**

```
capture_message(message, ..., level = "info")
```

**Arguments**

message            message text  
 ...                optional additional named parameters  
 level              the level of the message. Default: "info"

**Value**

nothing; sends message to Sentry

**Examples**

```
## Not run:
capture_message("this is an important message", logger = "my.logger")

## End(Not run)
```

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configure_sentry	<i>Configure Sentry</i>
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**Description**

Configure Sentry

**Usage**

```
configure_sentry(
  dsn,
  app_name = NULL,
  app_version = NULL,
  environment = NULL,
  ...
)
```

**Arguments**

dsn	the DSN of a Sentry project.
app_name	name of your application (optional). Default: NULL
app_version	version of your application (optional). Default: NULL
environment	the environment name, such as production or staging (optional). Default: NULL
...	named lists as extra parameters for the Sentry payload

**Value**

populates the .sentry\_env environment with character strings

**Examples**

```
## Not run:
configure_sentry("https://12345abcddbc45e49773bb1ca8d9c533@sentry.io/1234567")
sentry_env$host # sentry.io

## End(Not run)
```

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default\_error\_handler *Default error handler for Plumber*

---

**Description**

Default error handler for Plumber

**Usage**

```
default_error_handler(req, res, error)
```

**Arguments**

req	a Plumber request object
res	a Plumber response object
error	an error object

**Value**

a list

---

is\_sentry\_configured *Check if Sentry is configured*

---

**Description**

Check if Sentry is configured

**Usage**

```
is_sentry_configured()
```

**Value**

boolean

**Examples**

```
## Not run:  
configure_sentry("https://12345abcddb45e49773bb1ca8d9c533@sentry.io/1234567")  
is_sentry_configured() # TRUE  
  
## End(Not run)
```

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parse_dsn	<i>Parse a Sentry DSN into its components</i>
-----------	---

---

**Description**

Parse a Sentry DSN into its components

**Usage**

```
parse_dsn(dsn)
```

**Arguments**

dsn                    the DSN of a Sentry project.

**Value**

a named list with parsed elements of the DSN

**Examples**

```
parse_dsn("https://1234@sentry.io/1")
```

---

prepare_payload	<i>Prepare JSON payload for Sentry</i>
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**Description**

Prepare JSON payload for Sentry

**Usage**

```
prepare_payload(...)
```

**Arguments**

...                    named parameters

**Value**

a JSON character string

**Examples**

```
## Not run:  
prepare_payload() # return only the core parameters  
prepare_payload(tags = list(foo = 123, bar = "meh")) # add tags  
  
## End(Not run)
```

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sentryR	sentryR <i>package</i>
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**Description**

SDK for 'sentry.io', a cross-platform application monitoring service

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sentry_error_handler	<i>Error handler with Sentry reporting</i>
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**Description**

Error handler with Sentry reporting

**Usage**

```
sentry_error_handler(req, res, error, ...)
```

**Arguments**

req	a plumber request object
res	a plumber response object
error	an error object
...	extra named variables for Sentry

**Value**

a list with response payload

**Examples**

```
## Not run:  
sentryR::configure_sentry(Sys.getenv("SENTRY_DSN"))  
pr <- plumber::plumb("example_plumber.R")  
pr$setErrorHandler(sentryR::sentry_error_handler)  
pr$run()  
  
## End(Not run)
```



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sentry_headers	<i>Set the sentry.io call header</i>
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---

**Description**

Set the sentry.io call header

**Usage**

```
sentry_headers()
```

**Value**

a character vector

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sentry_url	<i>Build the sentry.io call URL</i>
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---

**Description**

Build the sentry.io call URL

**Usage**

```
sentry_url()
```

**Value**

a character string

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with_captured_calls	<i>Create safe function</i>
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---

**Description**

Create safe function

**Usage**

```
with_captured_calls(z)
```

**Arguments**

z                    the function whose errors we want to track

**Value**

a function

---

`wrap_error_handler_with_sentry`*Wrap a plumber error handler such that it reports errors to Sentry*

---

**Description**

Wrap a plumber error handler such that it reports errors to Sentry

**Usage**

```
wrap_error_handler_with_sentry(error_handler = default_error_handler)
```

**Arguments**

`error_handler` a function to handle plumber errors

**Value**

a function

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