

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.

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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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calls_to_stacktrace *Convert function call to a stack trace*

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)
```

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>
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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)
```

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://12345abcd45e49773bb1ca8d9c533@sentry.io/1234567")
sentry_env$host # sentry.io

## End(Not run)
```

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)
```

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

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)
```

sentryR	sentryR <i>package</i>
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Description

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

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)
```

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

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

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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