Package ‘googleErrorReportingR’

October 27, 2022

Title Send Error Reports to the Google Error Reporting Service API

Version 0.0.4

Description Send error reports to the Google Error Reporting service <https://cloud.google.com/error-reporting/> and view errors and assign error status in the Google Error Reporting user interface.

License MIT + file LICENSE

URL https://github.com/ixpantia/googleErrorReportingR,
https://ixpantia.github.io/googleErrorReportingR/

Encoding UTF-8

Imports jsonlite, httr, magrittr

Suggests knitr, rmarkdown, pkgdown, testthat (>= 3.0.0)

RoxygenNote 7.2.1

R topics documented:

  config_message .......................................................... 2
  format_error_message .................................................. 2
  list_errors ..................................................................... 4
  report_error ................................................................. 4

Index 6
config_message

Format messages before sending to Google Error Reporting

Description

Format messages before sending to Google Error Reporting

Usage

config_message(message, req, status_code)

Arguments

message Error message returned by validation
req Request object used by plumber
status_code Valid HTTP status code

Value

formatted message

Examples

## Not run:
your_function_call <- tryCatch(
  your_function(),
  error = function(e) {
    message$message <- as.character(e)
    googleErrorReportingR::report_error(message)
    message <- config_message(message, req, "401")
    stop("Error", call. = FALSE)
  })

## End(Not run)
format_error_message

Usage

format_error_message(
  message = "Error description",
  service = "My Service",
  version = "0.0.1",
  method = "GET",
  url = "https://example.com",
  user_agent = "",
  referrer = "",
  response_status_code = "500",
  remote_ip = "192.178.0.1",
  user_id = "UserID",
  filepath = "/",
  line_number = 0,
  function_name = "my_function"
)

Arguments

message the error message you want in the logs
service the name of your service
version the version of the service
method the http method used for the call
url the unique resource identifier that was called
user_agent the user agent identifier
referrer the referrer to the service
response_status_code http response code
remote_ip remote ip
user_id user id
filepath filepath of the code where the error originates
line_number line number where the error originates
function_name function name where the error originates

Value

message object, a list to be formatted as JSON in the error report body

Examples

## Not run:
message <- format_error_message()

message$serviceContext$service <- "A demo service"
message$serviceContext$version <- "v0.3.4"

## End(Not run)
list_errors  Get list of errors from Google Error Reporting

Description
Get list of errors from Google Error Reporting

Usage
list_errors(project_id, api_key)

Arguments
project_id  the project ID of your project on GCP
api_key  an API key with permissions to write to Google Error Reporting

Value
No return, we focus on side effect

report_error  Report error to Google Error Reporting

Description
Report error to Google Error Reporting

Usage
report_error(message, project_id = NULL, api_key = NULL)

Arguments
message  the error report to be written out to the
project_id  the project id where you want to monitor the error reports
api_key  the google API key with authorisation to write to the Google Error Reporting API

Value
No return, we focus on side effect
Examples

```r
## Not run:
report_error(project_id, api_key, message)

# If you have set the environmental variables "PROJECT_ID" and
# "ERROR_REPORTING_API_KEY" then you can make shorter calls like so
report_error(message)

## End(Not run)
```
Index

config_message, 2
format_error_message, 2
list_errors, 4
report_error, 4