

Package ‘googleErrorReportingR’

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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.

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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

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

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config_message	<i>Format messages before sending to Google Error Reporting</i>
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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	<i>Format Error Message for Google Error Reporting</i>
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Description

Format Error Message for Google Error Reporting

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 = "192.178.0.0.1",
  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 hte call
url	hte unique resource identifier that was called
user_agent	the user agente 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 formated 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	<i>Get list of errors from Google Error Reporting</i>
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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	<i>Report error to Google Error Reporting</i>
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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

```
## 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)
```

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