

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 *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 *Format Error Message for Google Error Reporting*

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> |
|-------------|-------------------------------------------------------|

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> |
|--------------|-----------------------------------------------|

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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