

Package ‘rosetteApi’

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Type Package

Title 'Rosette' API

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Description 'Rosette' is an API for multilingual text analysis and information extraction. More information can be found at <<https://developer.rosette.com>>.

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Depends R (>= 3.1.0)

Imports httr, jsonlite

Suggests knitr, rmarkdown, testthat

URL <https://developer.rosette.com>

BugReports <https://developer.rosette.com/support-ticket>

VignetteBuilder knitr

RoxygenNote 6.0.1

NeedsCompilation no

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api	<i>api wrapper function that checks for a user_key and determines the Rosette API endpoint to be utilized</i>
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Description

api wrapper function that checks for a user_key and determines the Rosette API endpoint to be utilized

Usage

```
api(user_key, endpoint, parameters = FALSE, custom_headers = NULL,
    url_parameters = NULL, url = "https://api.rosette.com/rest/v1/")
```

Arguments

user_key - Rosette API authentication key
 endpoint - Rosette API endpoint to be utilized
 parameters - parameters list to be passed to specified Rosette API endpoint
 custom_headers - custom headers for Rosette Api
 url_parameters - query parameters
 url - url for Rosette Api

Value

Returns a list(content, header)

Examples

```
## Not run:
parameters <- list()
parameters[["content"]] <- "Bill Murray will appear in new Ghostbusters film."
response <- api(01234567890, "entities", parameters)
# The call above returns response$content and response$header

## End(Not run)
```

check_content_parameters

preemptive check for content/contentUri request parameter errors

Description

preemptive check for content/contentUri request parameter errors

Usage

```
check_content_parameters(parameters)
```

Arguments

parameters - parameters list to be passed to specified Rosette API endpoint

Value

Returns list of verified parameters to be sent to Rosette API

check_deduplication *check if the required request parameters for name deduplication are correct*

Description

check if the required request parameters for name deduplication are correct

Usage

```
check_deduplication(parameters, endpoint)
```

Arguments

parameters - parameters list to be passed to specified Rosette API endpoint
endpoint - Rosette API endpoint to be utilized

Value

Returns list of verified parameters to be sent to Rosette API

check_for_multipart *Helper to check for file submission*

Description

Helper to check for file submission

Usage

check_for_multipart(parameters)

Arguments

parameters - JSON parameters

Value

true if multipart

check_morphology *determine which morphology endpoint to use*

Description

determine which morphology endpoint to use

Usage

check_morphology(parameters, endpoint)

Arguments

parameters - parameters list to be passed to specified Rosette API endpoint
endpoint - Rosette API endpoint to be utilized

Value

Returns the specified morphology function

check_names	<i>check if the required request parameters for either names endpoint are correct</i>
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Description

check if the required request parameters for either names endpoint are correct

Usage

```
check_names(parameters, endpoint)
```

Arguments

parameters	- parameters list to be passed to specified Rosette API endpoint
endpoint	- Rosette API endpoint to be utilized

Value

Returns list of verified parameters to be sent to Rosette API

create_multipart	<i>create a multipart</i>
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Description

create a multipart

Usage

```
create_multipart(parameters)
```

Arguments

parameters	- parameters list to be passed to specified Rosette API endpoint
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Value

Returns a multipart

error_check	<i>check if Rosette API response includes and error message</i>
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Description

check if Rosette API response includes and error message

Usage

```
error_check(response)
```

Arguments

response - response from Rosette API

Value

Returns an error if one exists or the Rosette API response

get_binding_version	<i>Provides the binding Version</i>
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Description

Provides the binding Version

Usage

```
get_binding_version()
```

Value

current binding version

get_endpoint	<i>httr::GET request to specified Rosette API endpoint</i>
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Description

httr::GET request to specified Rosette API endpoint

Usage

```
get_endpoint(user_key, endpoint, url, custom_headers = NULL,  
            url_parameters = NULL)
```

Arguments

user_key - Rosette API authentication key
endpoint - Rosette API endpoint to be utilized
url - url for Rosette Api
custom_headers - custom headers for Rosette Api
url_parameters - url query parameters

Value

Returns the Rosette API response

get_headers	<i>Helper to combine custom headers with the default ones</i>
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Description

Helper to combine custom headers with the default ones

Usage

```
get_headers(user_key, content_type = "application/json",  
            custom_headers = NULL)
```

Arguments

user_key - Rosette API authentication key
content_type - Header Content-Type
custom_headers - custom headers for the Rosette API

Value

Returns the combined h

post_endpoint	<i>httr::POST request to specified Rosette API endpoint</i>
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Description

httr::POST request to specified Rosette API endpoint

Usage

```
post_endpoint(user_key, parameters, endpoint, url, custom_headers = NULL,
              url_parameters = NULL)
```

Arguments

user_key - Rosette API authentication key
 parameters - parameters list to be passed to specified Rosette API endpoint
 endpoint - Rosette API endpoint to be utilized
 url - url for Rosette Api
 custom_headers - custom headers for Rosette Api
 url_parameters - query parameters

Value

Returns the Rosette API response

serialize_name_deduplication_parameters	<i>serialize Rosette API parameters</i>
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Description

serialize Rosette API parameters

Usage

```
serialize_name_deduplication_parameters(parameters)
```

Arguments

parameters - parameters list to be passed to name-deduplication

Value

Returns the serialized parameters for the Rosette API

serialize_name_parameters
serialize Rosette API parameters

Description

serialize Rosette API parameters

Usage

serialize_name_parameters(parameters)

Arguments

parameters - parameters list to be passed to either name-translation or name-similarity

Value

Returns the serialized parameters for the Rosette API

serialize_parameters *serialize Rosette API parameters*

Description

serialize Rosette API parameters

Usage

serialize_parameters(parameters)

Arguments

parameters - parameters list to be passed to specified Rosette API endpoint

Value

Returns the serialized parameters for the Rosette API

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