

Package ‘rosetteApi’

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Type Package

Title 'Rosette' API

Version 1.14.4

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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 7.1.0

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_address_parameters

preemptive check for address-similarity request parameter errors

Description

preemptive check for address-similarity request parameter errors

Usage

check_address_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_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	<i>check if the required request parameters for name deduplication are correct</i>
---------------------	--

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	<i>Helper to check for file submission</i>
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Description

Helper to check for file submission

Usage

```
check_for_multipart(parameters)
```

Arguments

parameters - JSON parameters

Value

true if multipart

check_morphology	<i>determine which morphology endpoint to use</i>
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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>
-------------	---

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

Value

Returns a multipart

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

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

http::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_address_params  
    serialize address-similarity parameters
```

Description

serialize address-similarity parameters

Usage

```
serialize_address_params(parameters)
```

Arguments

parameters - parameters list to be passed to address-similarity

Value

Returns the serialized parameters for the Rosette API

```
serialize_name_deduplication_parameters  
    serialize Rosette API parameters
```

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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