

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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R topics documented:

api	2
check_address_parameters	3

check_content_parameters	3
check_deduplication	4
check_for_multipart	4
check_morphology	5
check_names	5
create_multipart	6
error_check	6
get_binding_version	7
get_endpoint	7
get_headers	8
post_endpoint	8
serialize_address_params	9
serialize_name_deduplication_parameters	9
serialize_name_parameters	10
serialize_parameters	10

Index **11**

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 *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	<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>
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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 *create a multipart*

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 *check if Rosette API response includes and error message*

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` *Provides the binding Version*

Description

Provides the binding Version

Usage

```
get_binding_version()
```

Value

current binding version

`get_endpoint` *htttr::GET request to specified Rosette API endpoint*

Description

htttr::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_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

Index

[api](#), [2](#)

[check_address_parameters](#), [3](#)

[check_content_parameters](#), [3](#)

[check_deduplication](#), [4](#)

[check_for_multipart](#), [4](#)

[check_morphology](#), [5](#)

[check_names](#), [5](#)

[create_multipart](#), [6](#)

[error_check](#), [6](#)

[get_binding_version](#), [7](#)

[get_endpoint](#), [7](#)

[get_headers](#), [8](#)

[post_endpoint](#), [8](#)

[serialize_address_params](#), [9](#)

[serialize_name_deduplication_parameters](#),
[9](#)

[serialize_name_parameters](#), [10](#)

[serialize_parameters](#), [10](#)