

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),
httr,
rjson

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

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

RoxygenNote 5.0.1

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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, customHeaders = 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
customHeaders	- custom headers for Rosette Api
url	- url for Rosette Api

Value

Returns json of the specified Rosette API endpoint response

Examples

```
## Not run:
key <- "content"
value <- "Bill Murray will appear in new Ghostbusters film."
parameters <- list()
parameters[[ key ]] <- value
parameters <- toJSON(parameters)
api(01234567890, "entities", parameters)

## End(Not run)
```

check_content_parameters	<i>preemptive check for content/contentUri request parameter errors</i>
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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_for_multipart	<i>check if the request parameters contain multipart</i>
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Description

check if the request parameters contain multipart

Usage

```
check_for_multipart(user_key, parameters, endpoint, customHeaders, url)
```

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
customHeaders - custom headers for Rosette Api
url - url for Rosette Api

Value

Returns json of the specified Rosette API endpoint response from either a multipart or non-multipart request

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	<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_endpoint	<i>GET request to specified Rosette API endpoint</i>
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Description

GET request to specified Rosette API endpoint

Usage

```
get_endpoint(user_key, endpoint, customHeaders, url)
```

Arguments

user_key - Rosette API authentication key
endpoint - Rosette API endpoint to be utilized
customHeaders - custom headers for Rosette Api
url - url for Rosette Api

Value

Returns the response from the Rosette API

mutipart_call	<i>make a multipart POST request</i>
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Description

make a multipart POST request

Usage

```
mutipart_call(user_key, parameters, endpoint, customHeaders, url)
```

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
customHeaders	- custom headers for Rosette Api
url	- url for Rosette Api

Value

Returns the response from the Rosette API

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

POST request to specified Rosette API endpoint

Usage

```
post_endpoint(user_key, parameters, endpoint, customHeaders, url)
```

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
customHeaders	- custom headers for Rosette Api
url	- url for Rosette Api

Value

Returns the response from 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

`to_json`*convert Rosette API response content and headers to json*

Description

convert Rosette API response content and headers to json

Usage

```
to_json(response)
```

Arguments

response - response from Rosette API

Value

Returns a vector containing json of Rosette API response and response headers

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