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>.

License file LICENSE

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

R topics documented:

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

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) will return 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	*check if the required request parameters for either names endpoint are correct*

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 *httr::GET request to specified Rosette API endpoint*

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 *Helper to combine custom headers with the default ones*

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

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post_endpoint   *httr::POST request to specified Rosette API endpoint*

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_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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