Package 'rosetteApi'

October 5, 2016

Type Package

Title Rosette API

Version 1.4.0

Date 2016-10-05

Author Sam Hausmann [aut, cre],
Chris Park [ctb],
Hannah Gaudet [ctb]

Maintainer Chris Park <cpark@basistech.com>

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),
httr,
rjson

Suggests knitr,
rmarkdown,
testthat

URL https://developer.rosette.com

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

RoxygenNote 5.0.1

VignetteBuilder knitr

R topics documented:

---

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, 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

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_for_multipart   *check if the request parameters contain multipart*

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   *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_endpoint   *GET request to specified Rosette API endpoint*

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   *make a multipart POST request*

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 *POST request to specified Rosette API endpoint*

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

Index