

Package ‘textrar’

April 23, 2024

Title Interface to 'TexTra' from R

Version 0.8.0

Description A wrapper for the 'TexTra' API <<https://mt-auto-minhon-mlt.ucri.jgn-x.jp/>>, a web service for translating texts between different languages.

'TexTra' API account is required to use the service.

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Encoding UTF-8

RoxygenNote 7.3.1

URL <https://github.com/matutosi/textrar>

Imports jsonlite, httr

Suggests knitr, rmarkdown, spelling

Language en-US

Depends R (>= 2.10)

NeedsCompilation no

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base_url	<i>Return the base URL for the API</i>
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Description

Return the base URL for the API

Usage

```
base_url()
```

Value

A string containing the base URL.

Examples

```
base_url()
```

extract_result	<i>Extract Translated Text from Response</i>
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Description

This function extracts the translated text from the response. returned by the `post_request()` function.

Usage

```
extract_result(res)
```

Arguments

`res` The response object returned by the `post_request()`.

Value

A character string containing the translated text.

Examples

```
## Not run:  
res <- post_request(params, "Hello world!")  
translated <- extract_result(res)  
  
## End(Not run)
```

gen_params	<i>Generate parameters for API call</i>
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Description

This function generates a list of parameters that can be used to make an API call.

Usage

```
gen_params(key, secret, name, api_name = "mt")
```

Arguments

key	The API key.
secret	The API secret.
name	The name of the API.
api_name	The name of the API to use. Defaults to "mt".

Value

A list of parameters.

Examples

```
## Not run:  
key <- "abcdefghijklmnopqrstuvw01234567890abcdef1" # API key  
secret <- "xyzabcdefghijklmnopqrstuvw012345" # API secret  
name <- "login_ID" # login_ID  
params <- gen_params(key = key, secret = secret, name = name)  
  
## End(Not run)
```

get_token	<i>Get Access Token</i>
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Description

This function retrieves an access token from the API using the provided key and secret.

Usage

```
get_token(key, secret)
```

Arguments

key	The API key.
secret	The API secret.

Value

A character string containing the access token.

Examples

```
## Not run:
key <- "abcdefghijklmnopqrstuvw01234567890abcdef1" # API key
secret <- "abcdefghijklmnopqrstuvw012345" # API secret
token <- get_token(key = key, secret = secret)

## End(Not run)
```

post_request	<i>Send a POST request to the API</i>
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Description

This function sends a POST request to the API with the specified parameters and text.

Usage

```
post_request(params, text)
```

Arguments

params	A list of parameters to be passed to the API.
text	The text to be translated.

Value

The response from the API.

Examples

```
## Not run:
post_request(params = , text = "Hello, world!")

## End(Not run)
```

textra

Translate text using Transliteration Model

Description

This function translates text using a transliteration model.

Usage

```
textra(text, params, model = "transLM", from = "en", to = "ja")
```

Arguments

text	The text to be translated.
params	A list of parameters to be passed to the API.
model	The model to be used for translation.
from	The source language.
to	The target language.

Value

The translated text.

Examples

```
## Not run:
text <- "Hello world"
key <- "abcdefghijklmnopqrstuvw01234567890abcdef1" # API key
secret <- "abcdefghijklmnopqrstuvw012345" # API secret
name <- "login_ID" # login_ID
params <- gen_params(key = key, secret = secret, name = name)
translated <-
  textra(text, params, model = "transLM", from = "en", to = "ja")
translated

## End(Not run)
```

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