

Package ‘rzeit2’

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Type Package

Title Client for the ZEIT ONLINE Content API

Version 0.1.0

Description

Interface to gather newspaper articles from 'DIE ZEIT' and 'ZEIT ONLINE', based on a multi-level query <<http://developer.zeit.de/>>. A personal API key is required for usage.

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Encoding UTF-8

Depends R (>= 3.2.0)

BugReports <https://github.com/jandix/rzeit2/issues>

LazyData true

RoxygenNote 6.0.1

Imports anytime, ggplot2, httr, jsonlite, rvest, stringr, xml2

Suggests dplyr, ggthemes, knitr, rmarkdown, robotstxt, tidytext

VignetteBuilder knitr

NeedsCompilation no

Author Jan Dix [aut, cre]

Maintainer Jan Dix <jan.dix@uni-konstanz.de>

Repository CRAN

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get_article_text	<i>Get article text</i>
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Description

Get the article text for a single url or a vector of urls.

Usage

```
get_article_text(url, timeout = NULL)
```

Arguments

url	character. a single character string or character vector.
timeout	integer. Seconds to wait between queries.

Details

get_article_text is the function, which fetches and parses an article. This function may break in the future due to layout changes on the ZEIT ONLINE website.

Value

A named character vector with the respective text. If the content lies beyond the paywall the function returns "[PAYWALL] ZEIT PLUS CONTENT".

Author(s)

Jan Dix <<jan.dix@uni-konstanz.de>>

Examples

```
url <- paste0("https://www.zeit.de/kultur/film/2018-04/",
"tatort-frankfurt-unter-kriegern-obduktionsbericht")
get_article_text(url = url)
```

get_client	<i>Client status and API usage</i>
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Description

get_cleint returns API access status and usage.

Usage

```
get_client(api_key = Sys.getenv("ZEIT_ONLINE_KEY"))
```

Arguments

api_key character. The personal api code. To request an API key see: <http://developer.zeit.de/quickstart/> This parameter is by default set to the R Environment.

Value

a list of information about the client and API usage

Author(s)

Jan Dix (<jan.dix@uni-konstanz.de>)

Examples

```
## Not run:
get_client()

## End(Not run)
```

get_content	<i>Content endpoint</i>
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Description

Exposes a search in the ZEIT online archive on the content endpoint and returns results for the given query.

Usage

```
get_content(query, limit = 10, offset = 0, sort = "release_date asc",
  begin_date = NULL, end_date = NULL,
  api_key = Sys.getenv("ZEIT_ONLINE_KEY"))
```

Arguments

query character. Search query term.

limit integer. The number of results given back. Please use [get_content_all](#) if the limit exceeds 1000 rows.

offset integer. Offset for the list of matches.

sort character. Sort search result by various fields. For example: sort=release_date asc, uuid desc.

begin_date character. Begin date - Restricts responses to results with publication dates of the date specified or later. In the form YYYYMMDD.

end_date character. End date - Restricts responses to results with publication dates of the date specified or earlier. In the form YYYYMMDD.

api_key character. The personal api code. To request an API key see: <http://developer.zeit.de/quickstart/> This parameter is by default set to the R Environment.

Details

get_content is the function, which interacts directly with the ZEIT Online API. I only used the content endpoint for this package. There are further endpoints (e.g. /author, /product) not included into this package to further specify the search if needed. The whole list of possible endpoints can be accessed here <http://developer.zeit.de/docs/>.

Value

A list including articles and meta information about the query.

Author(s)

Jan Dix <<jan.dix@uni-konstanz.de>>

References

<http://developer.zeit.de>

See Also

[get_content_all](#)

Examples

```
## Not run:
get_content(query = "Merkel")

## End(Not run)
```

get_content_all	<i>Content endpoint (all)</i>
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Description

Exposes a search in the ZEIT online archive on the content endpoint and returns results for the given query. Performs multiple queries if limit exceeds 1000 rows.

Usage

```
get_content_all(query, timeout = 2, begin_date = NULL, end_date = NULL,
  api_key = Sys.getenv("ZEIT_ONLINE_KEY"))
```

Arguments

query	character. Search query term.
timeout	integer. Seconds to wait between queries.
begin_date	begin_date character. Begin date - Restricts responses to results with publication dates of the date specified or later. In the form YYYYMMDD.
end_date	character. End date - Restricts responses to results with publication dates of the date specified or earlier. In the form YYYYMMDD.

`api_key` `api_key` character. The personal api code. To request an API key see: <http://developer.zeit.de/quickstart/> This parameter is by default set to the R Environment.

Details

`get_content` is the function, which interacts directly with the ZEIT Online API. I only used the content endpoint for this package. There are further endpoints (e.g. `/author`, `/product`) not included into this package to further specify the search if needed. The whole list of possible endpoints can be accessed here <http://developer.zeit.de/docs/>.

Value

A list including articles and meta information about the query.

Author(s)

Jan Dix <<jan.dix@uni-konstanz.de>>

References

<http://developer.zeit.de>

See Also

[get_content](#)

Examples

```
## Not run:
get_content(query = "Merkel")

## End(Not run)
```

rzeit2

Client for the ZEIT ONLINE Content API

Description

Interface to gather newspaper articles from DIE ZEIT and ZEIT ONLINE, based on a multilevel query. A personal API key is required for usage.

References

<http://developer.zeit.de>

See Also

[get_content](#) to expose a search in the ZEIT online archive, [get_content_all](#) to get all results using `get_content`, [get_client](#) to get client information

sentiment_example	<i>Sentiment scores for 103 ZEIT ONLINE articles</i>
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Description

The dataset contains 103 articles returned by a query using the keyword "Merkel" between 01st May and 31st May 2018. The sentiment scores are calculated using the Sentiment Wortschatz dictionary.

Usage

```
sentiment_example
```

Format

A data frame with 103 rows and 3 variables:

url the url of the article

date the release date of the article

score the calculated sentiment score

See Also

[senti_ws](#)

senti_ws	<i>SentimentWortschatz (SentiWS)</i>
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Description

SentiWS is a publicly available German-language resource for sentiment analysis, opinion mining etc. It lists positive and negative polarity bearing words weighted within the interval of [-1; 1].

Usage

```
senti_ws
```

Format

A data frame with 3468 rows and 2 variables:

word word

score score of the respective word

Source

R. Remus, U. Quasthoff & G. Heyer: SentiWS - a Publicly Available German-language Resource for Sentiment Analysis. In: Proceedings of the 7th International Language Resources and Evaluation (LREC'10), pp. 1168-1171, 2010 <http://wortschatz.uni-leipzig.de/en/download/>

set_api_key	<i>Set api key to the .Renviron</i>
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Description

Function to set you API Key to the R environment when starting using rzeit package. Attention: You should only execute this functions once.

Usage

```
set_api_key(api_key, path = stop("Please specify a path."))
```

Arguments

api_key	character. The personal api code. To request an API key see: http://developer.rzeit.de/quickstart/
path	character. Path where the environment is stored. Default is the normalized path.

Value

None.

Author(s)

Jan Dix <<jan.dix@uni-konstanz.de>>

Examples

```
## Not run:  
# this is not an actual api key  
api_key <- "5t5yno5qqkufxis5q2vzx26vxq2hqe9"  
set_api_key(api_key, tempdir())  
  
## End(Not run)
```

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