

# Package ‘diezeit’

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**Type** Package

**Title** R Interface to the ZEIT ONLINE Content API

**Version** 0.1-0

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**Description** A wrapper for the ZEIT ONLINE Content API, available at <<http://developer.zeit.de>>. 'diezeit' gives access to articles and corresponding meta-data from the ZEIT archive and from ZEIT ONLINE. A personal API key is required for usage.

**License** MIT + file LICENSE

**VignetteBuilder** knitr

**Imports** brew, grDevices, httr, jsonlite, methods, utils

**Suggests** knitr

**NeedsCompilation** no

**Repository** CRAN

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changes	<i>View changes notes.</i>
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**Description**

changes brings up the NEWS file of the package.

**Usage**

```
changes(pkg = "diezeit")
```

**Arguments**

pkg                   Set to the default "diezeit". Other packages make no sense.

**Examples**

```
## Not run:  
changes()  
  
## End(Not run)
```

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diezeit	<i>ZEIT ONLINE Content API</i>
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**Description**

A wrapper for the ZEIT ONLINE Content API, available at <http://developer.zeit.de>. It gives access to articles and corresponding metadata from the ZEIT archive and from ZEIT ONLINE. A personal API key is required for usage.

**Details**

Accessing the ZEIT archive requires an API key, that can be requested at <http://developer.zeit.de/quickstart>. Registration is free and allows for API-Access with a limit of 10,000 requests per day. If you do not want to enter your key for each R session, put the following in your .Renviron or .Rprofile file:  
ZEIT\_KEY=PUTYOURKEYHERE

**See Also**

[zeit\\_client](#) for client information and usage, [zeit\\_search](#) for ZEIT archive search or [zeit\\_get](#) to get content from the ZEIT archive.

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zeit_client	<i>Observe your usage</i>
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**Description**

zeit\_client does not provide content per se, but lets you get information about your API usage.

**Usage**

```
zeit_client(print = TRUE)
```

**Arguments**

print            if TRUE (default), the client information is printed.

**Value**

a list of information about the client and API usage

**Examples**

```
## Not run:  
zeit_client()  
  
## End(Not run)
```

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zeit_get	<i>Get detailed content from the ZEIT archive</i>
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**Description**

zeit\_get will get you all available metadata for a specific item.

**Usage**

```
zeit_get(endpoint, id, fields, print = TRUE)
```

**Arguments**

endpoint        one of author, content, department, keyword, product or series – see [zeit\\_search](#).

id              item id.

fields         partially select output fields, as string value or vector of strings for multiple fields.

print          if TRUE (default) the meta data are printed.

## Details

### Endpoints

The API is structured into several endpoints that provide specific functionalities:

author	content by this author
content	get content by ID
department	content from this department
keyword	content about this keyword
product	content from this product
series	content in this series

## Value

List of metadata items.

## Source

<http://developer.zeit.de/docs/>

## Examples

```
## Not run:
# get article metadata by ID
zeit_get("content", "3Ed7KYJ002MXu5SQtnudQA")

# partial selection of output fields
zeit_get("content", "3Ed7KYJ002MXu5SQtnudQA",
  fields=c("title", "release_date", "href"))

# hide result
article.meta <- zeit_get("content", "3Ed7KYJ002MXu5SQtnudQA", print=FALSE)

## End(Not run)
```

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zeit\_search

*Search the ZEIT archive*

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## Description

zeit\_search exposes a search for ZEIT archive items. You can set search queries, paginate, sort and partially select the fields, that should be returned. Articles, that match your query, are returned with a reduced set of meta data.

## Usage

```
zeit_search(endpoint, query, fields, limit = 10, offset = 0, sort,
  print = TRUE)
```

**Arguments**

endpoint	one of author, content, department, keyword, product or series – provides specific search functionalities.
query	the main search query; single string value or vector of strings.
fields	partially select output fields, as string value or vector of strings for multiple fields.
limit	limit the amount of matches to return; set to 10 by default.
offset	offset for the list of matches; set to 0 by default.
sort	sort search results by any of the returned fields. Vector of two (c([field], [direction])), giving field and direction keyword. Direction keywords are asc and desc for an ascending or descending sort order respectively. Multiple sort orders are accepted as list of such vectors.
print	if TRUE (default) the search results are printed.

**Details***Endpoints*

The API is structured into several endpoints that provide specific functionalities:

author	search all authors
content	search for content
department	search all departments
keyword	search all keywords
product	search all products
series	search all series

*Query syntax*

You can search the entire article text and all meta data simply by setting the query parameter to your search phrase. The search uses entire strings "as is". To search for multiple tokens use a vector of strings.

All fields of an article can be queried individually by using [field]:[search string]. For example, to get articles that have the word "Kennedy" in their headline, you would search for "title:Kennedy".

Currently all endpoints other than content only support simple search phrases with asterisk (\*) wildcards.

**Value**

A list of matches to the query.

**Source**

<http://developer.zeit.de/docs/>

**Examples**

```
## Not run:
# simple content search
zeit_search(endpoint="content", query="bayreuth")
zeit_search("content", "bayreuth") # same same

# multiple tokens
zeit_search("content", c("bayreuth", "festspiele"))

# entire string
zeit_search("content", "bayreuther festspiele")

# field query
zeit_search("content", "title:bayreuth")

# partial selection
zeit_search("content", "bayreuth", fields=c("title", "teaser_text"))

# pagination
zeit_search("content", "bayreuth", limit=1) # just one match
zeit_search("content", "bayreuth", limit=1, offset=1) # just the second match

# sorting
zeit_search("content", "bayreuth",
  sort=c("release_date", "asc")) # sort by date
zeit_search("content", "bayreuth",
  sort=list(c("release_date", "desc"), c("title", "asc"))) # sort by date and title

# hide matches
bt.matches <- zeit_search("content", "bayreuth", print=FALSE)

# author search
zeit_search(endpoint="author", query="Stefan Locke")

## End(Not run)
```

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