

Package ‘lumendb’

January 22, 2017

Type Package

Title Lumen Database API Client

Version 0.2.1

Date 2017-01-22

Description A simple client for the Lumen Database <<https://lumendatabase.org/>>
(formerly Chilling Effects) API.

License GPL (>= 2)

URL <https://github.com/leeper/lumendb>

BugReports <https://github.com/leeper/lumendb/issues>

Imports httr, xml2

Suggests testthat

RoxygenNote 5.0.1

NeedsCompilation no

Author Thomas J. Leeper [aut, cre]

Maintainer Thomas J. Leeper <thosjleeper@gmail.com>

Repository CRAN

Date/Publication 2017-01-22 19:11:23

R topics documented:

Identities	2
ldnotice	3
ldsearch	3
ldtopics	4
lumenHTTP	5
Index	6

Identities

Get Entities

Description

Get a list of Lumen Database entities matching a query

Usage

```
Identities(query = list(), page = 1, per_page = 10, verbose = TRUE, ...)
```

Arguments

query	A list specifying search query parameters. A reasonable default query would be <code>query = list(term = "joe")</code> to search for entities containing the word "joe".
page	A numeric value specifying which page of results to return. Pagination details are stored in the <code>meta</code> attribute of the response object.
per_page	A numeric value specifying the number of entities to return in one page. Pagination details are stored in the <code>meta</code> attribute of the response object.
verbose	A logical (TRUE, by default) specifying whether to print pagination details to the console.
...	Additional arguments passed to lumenHTTP .

Details

This function retrieves a list of "entities" named in the Lumen Database that match a query. See [API Documentation](#) for details. Results are paginated by the `page` and `per_page` arguments.

Value

A list of objects of class "lumen_entity". The default `print` method will display some essential details of each topic.

Examples

```
## Not run:
# return entities matching "joe"
Identities(query = list(term = "joe"))

# use non-default pagination arguments
Identities(query = list(term = "pub"), page = 3, per_page = 5)

## End(Not run)
```

ldnotice	<i>Get a Notice</i>
----------	---------------------

Description

Get a Lumen Database Notice by ID

Usage

```
ldnotice(notice, ...)
```

Arguments

notice	A single numeric value specifying a notice ID.
...	Additional arguments passed to lumenHTTP .

Details

This function retrieves the details of a Lumen Database notice based upon its Notice ID number. To search for notices, use [ldsearch](#) instead.

Value

A list of class “lumen_notice”. A summary method will display some essential details of the notice.

Examples

```
## Not run:  
n <- ldnotice(1)  
summary(n)  
  
## End(Not run)
```

ldsearch	<i>Search Notices</i>
----------	-----------------------

Description

Search for Lumen Database Notices

Usage

```
ldsearch(query = list(), page = 1, per_page = 10, verbose = TRUE, ...)
```

Arguments

query	A list specifying search query parameters. A reasonable default query would be <code>query = list(term = "joe")</code> to search for entities containing the word "joe". See API Documentation for details of search query terms.
page	A numeric value specifying which page of results to return. Pagination details are stored in the <code>meta</code> attribute of the response object.
per_page	A numeric value specifying the number of entities to return in one page. Pagination details are stored in the <code>meta</code> attribute of the response object.
verbose	A logical (TRUE, by default) specifying whether to print pagination details to the console.
...	Additional arguments passed to lumenHTTP .

Details

This function retrieves a list of notices matching a query. Results are paginated by the `page` and `per_page` arguments. Individual notices can instead be retrieved by their ID using [ldnotice](#).

Value

A list of objects of class "lumen_notice". The default `print` method will display some essential details of each topic.

Examples

```
## Not run:
# find YouTube-related notices
x <- ldsearch(query = list(term = "youtube"))
str(x, 1)

## End(Not run)
```

ldtopics

Get Topics

Description

Get a list of Lumen Database Topics

Usage

```
ldtopics(...)
```

Arguments

... Additional arguments passed to [lumenHTTP](#).

Details

This function retrieves a list of “topics” used by the Lumen Database.

Value

A list of objects of class “lumen_topic”. The default print method will display some essential details of each topic.

Examples

```
## Not run:
x <- ldtopics()
x

## End(Not run)
```

lumenHTTP

Lumen Database HTTP Requests

Description

This is the workhorse function for executing API requests for the Lumen Database.

Usage

```
lumenHTTP(verb = "GET", path = "", query = list(), body = "",
  base = "https://lumendatabase.org", token = Sys.getenv("LUMEN_TOKEN"),
  ...)
```

Arguments

verb	A character string containing an HTTP verb, defaulting to “GET”.
path	A character string with the API endpoint (should begin with a slash).
query	A list specifying any query string arguments to pass to the API.
body	A character string of request body data.
base	A character string specifying the base URL for the API.
token	A character string containing a Lumen Database API token. If missing, defaults to value stored in environment variable LUMEN_TOKEN.
...	Additional arguments passed to an HTTP request function, such as GET .

Details

This is mostly an internal function for executing API requests. In almost all cases, users do not need to access this directly.

Value

A list.

Index

GET, [5](#)

Identities, [2](#)

Idnotice, [3](#), [4](#)

Idsearch, [3](#), [3](#)

Idtopics, [4](#)

lumenHTTP, [2-4](#), [5](#)