Package ‘tibbrConnector’

December 15, 2016

Type Package
Title R Interface to TIBCO 'tibbr'
Version 1.5.1
Imports methods, utils, RCurl, rjson
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Description Post messages to tibbr from within R.
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NeedsCompilation no
Repository CRAN
Date/Publication 2016-12-15 11:03:27

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Description

Creates a connection to the tibbr service.
Usage

tibbr.connect(server, user, password)
tibbr.disconnect(connection)

## S3 method for class 'tibbrConnection'
print(x, ...)

Arguments

server a character string containing the hostname of the tibbr instance to connect to. Do not include the http:// or https:// prefix.
user a character string specifying the name of the tibbr user to connect as.
password a character string containing the password of the tibbr user to connect as.
connection a tibbrConnection object from which to disconnect.
x an object that inherits from class "tibbrConnection".
... additional arguments passed to the print method.

Details

Errors encountered during the tibbr login or logout process are raised by these functions.

Value

tibbr.connect returns a tibbrConnection object containing the following items:

- server – The name of the server to which this object is connected.
- user – The authentication information returned by the tibbr API.
- clientkey – The tibbr API client key that references the authenticated session this object represents.

tibbr.disconnect returns TRUE invisibly.

See Also

tibbr.post

Examples

## Not run:
con <- tibbr.connect("try.tibbr.com", "myusername", "mypassword")
con
  tibbr.disconnect(con)

## End(Not run)
Post A Message To tibbr

Description

Post a message to tibbr. The post can include links or attached files.

Usage

tibbr.post(connection, content, subject = NULL, links = character(0),
          attachments = character(0))

Arguments

connection a tibbrConnection object indicating the tibbr instance to post to.
content a character string containing the content of the message to post.
subject a character vector or list containing any combination of character strings containing
        the fully-qualified subject names (including the subject names of all parent
        subjects, separated by .) of subjects, tibbrSubject objects, and tibbrUser
        objects to which this message should post. If NULL, the message is posted to the
        wall of the user specified in the creation of the connection.
        Note that subject names consist of alphanumeric characters and the special characters
        ., -, and _, and may optionally start with the subject indicator character @.
links a character vector containing URLs to link to in this post.
attachments a character vector specifying the names of files to attach to this post.

Details

Errors encountered during the tibbr posting process will be raised by this function.

Value

returns TRUE invisibly.

See Also

tibbr.connect, tibbr.subject, tibbr.user

Examples

## Not run:
con <- tibbr.connect("try.tibbr.com", "myusername", "mypassword")
tibbr.post(con, "Hello, tibbr!") # Posts to your wall
tibbr.post(con, "Hello, salesmen!", subject="Sales")
tibbr.post(con, "Hello, everyone.",
          subject=c("Sales", "Marketing", "Engineering.ProjectAlpha"))
tibbr.post(con, "Here's that proposal.", subject="Sales",
  links="http://sales/Alpha_Proposal/",
  attachments=c("AlphaCoverLetter.docx","AlphaProjections.csv"))
alpha <- tibbr.subject(con, "alpha")
tibbr.post(con, "To everyone involved in the Alpha project: Good job!", subject=alpha)

## End(Not run)

tibbr.subject

### Search tibbr For Subjects

**Description**

Searches tibbr for subjects.

**Usage**

```r
tibbr.subject(connection, subject = NULL)
```

**Arguments**

- `connection`: a tibbrConnection object indicating the tibbr instance to search.
- `subject`: a character string containing the search criteria. If NULL, tibbr returns all subjects on the tibbr instance. (Note: This can take a long time to return, depending on the number of subjects on your tibbr instance.)

Tibbr searches the following fields for matches:

- Subject name
- Subject display name
- Subject description

**Details**

Errors encountered during the search process are raised by this function.

**Value**

returns a list of tibbrSubject objects describing the results of the search. The names of the tibbrSubject objects represent attributes of the corresponding subject in tibbr.

**See Also**

- tibbr.user
**Examples**

```r
## Not run:
con <- tibbr.connect("try.tibbr.com", "myusername", "mypassword")
subs <- tibbr.subject(con, "analytics")
```

**tibbr.user**  
*Search tibbr For Users*

**Description**

Searches tibbr for users.

**Usage**

```r
tibbr.user(connection, user = NULL)
```

**Arguments**

- `connection` a `tibbrConnection` object indicating the tibbr instance to search.
- `user` a character string containing the search criteria. If NULL, tibbr returns all users on the tibbr instance. (Note: This can take a long time to return, depending on the number of users on your tibbr instance.)

Tibbr searches the following fields for matches:

- First name
- Last name
- Email address
- Login name
- Department
- Location
- Profile description

**Details**

Errors encountered during the search process are raised by this function.

**Value**

returns a list of `tibbrUser` objects describing the results of the search. The names of the `tibbrUser` objects represent fields of the corresponding user’s profile in tibbr.

**See Also**

`tibbr.subject`
Examples

## Not run:
```r
con <- tibbr.connect("try.tibbr.com", "myusername", "mypassword")
users <- tibbr.user(con, "Sam")
users

## End(Not run)
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