

Package ‘telegram’

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Title R Wrapper Around the Telegram Bot API

Version 0.6.0

Description R wrapper around the Telegram Bot API (<http://core.telegram.org/bots/api>) to access Telegram's messaging facilities with ease (e.g. you send messages, images, files from R to your smartphone).

URL <http://github.com/lbraglia/telegram>

BugReports <http://github.com/lbraglia/telegram/issues>

Imports R6, httr, jsonlite, curl, utils

Depends R (>= 3.2.3)

License GPL-3

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bot_token	<i>bot_token</i>
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Description

Obtain token from system variables (in Renviron) set according to package naming conventions, that is R_TELEGRAM_BOT_ where X is bot's name (first question answered to the botfather).

Usage

```
bot_token(x)
```

Arguments

x	character of length 1 with the name of the bot; if NULL a menu to choose between bot is displayed and the proper token returned
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Examples

```
## Not run: bot_token('RBot')
```

forwardMessage	<i>forwardMessage</i>
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Description

Forward messages of any kind

Usage

```
forwardMessage(from_chat_id = NULL, message_id = NULL, chat_id = NULL)
```

Arguments

from_chat_id	Unique identifier for the chat where the original message was sent (required)
message_id	Unique message identifier (required)
chat_id	Unique identifier for the target chat or username of the target channel (required)

getFile	<i>getFile</i>
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Description

Get info about a file and download it

Usage

```
getFile(file_id, destfile = NULL)
```

Arguments

file_id	File identifier (required)
destfile	Destination path; if specified the file will be downloaded

getMe	<i>getMe</i>
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Description

Test your bot's auth token

Usage

```
getMe()
```

getUpdates	<i>getUpdates</i>
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Description

Receive incoming updates

Usage

```
getUpdates(offset = NULL, limit = NULL)
```

Arguments

offset	Identifier of the first update to be returned returned.
limit	Limits the number of updates to be retrieved. Values between 1-100 are accepted. Defaults to 100

getUserProfilePhotos *getUserProfilePhotos*

Description

Get a list of profile pictures for a user

Usage

```
getUserProfilePhotos(user_id = NULL, offset = NULL, limit = NULL,
    destfile = NULL)
```

Arguments

user_id	Unique identifier of the target user (required)
offset	Sequential number of the first photo to be returned. By default, all photos are returned
limit	Limits the number of photos to be retrieved. Values between 1-100 are accepted. Defaults to 100
destfile	if a path is specified save the image (by default the bigger) in a local file

sendAudio *sendAudio*

Description

Send mp3 files

Usage

```
sendAudio(audio = NULL, duration = NULL, performer = NULL, title = NULL,
    reply_to_message_id = NULL, chat_id = NULL)
```

Arguments

audio	path to audio file to send (required)
duration	duration of the audio in seconds
performer	performer
title	track name
reply_to_message_id	If the message is a reply, ID of the original message
chat_id	Unique identifier for the target chat or username of the target channel (required)

sendDocument	<i>sendDocument</i>
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Description

Send general files

Usage

```
sendDocument(document = NULL, reply_to_message_id = NULL, chat_id = NULL)
```

Arguments

document	path to the file to send (required)
reply_to_message_id	if the message is a reply, ID of the original message
chat_id	Unique identifier for the target chat or username of the target channel (required)

sendLocation	<i>sendLocation</i>
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Description

Send point on the map

Usage

```
sendLocation(latitude = NULL, longitude = NULL,  
             reply_to_message_id = NULL, chat_id = NULL)
```

Arguments

latitude	Latitude of location (required)
longitude	Longitude of location (required)
reply_to_message_id	If the message is a reply, ID of the original message
chat_id	Unique identifier for the target chat or username of the target channel (required)

sendMessage	<i>sendMessage</i>
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Description

Send text messages

Usage

```
sendMessage(text = NULL, parse_mode = NULL,  
            disable_web_page_preview = NULL, reply_to_message_id = NULL,  
            chat_id = NULL)
```

Arguments

text	Text of the message to be sent (required)
parse_mode	send 'Markdown' if you want Telegram apps to show bold, italic and inline URLs in your bot's message
disable_web_page_preview	Disables link previews for links in this message
reply_to_message_id	If the message is a reply, ID of the original message
chat_id	Unique identifier for the target chat or username of the target channel (required)

sendPhoto	<i>sendPhoto</i>
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Description

Send image files

Usage

```
sendPhoto(photo = NULL, caption = NULL, reply_to_message_id = NULL,  
          chat_id = NULL)
```

Arguments

photo	photo to send (required)
caption	photo caption
reply_to_message_id	If the message is a reply, ID of the original message
chat_id	Unique identifier for the target chat or username of the target channel (required)

sendSticker	<i>sendSticker</i>
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Description

Send .webp stickers

Usage

```
sendSticker(sticker = NULL, reply_to_message_id = NULL, chat_id = NULL)
```

Arguments

sticker	sticker to send (required)
reply_to_message_id	If the message is a reply, ID of the original message
chat_id	Unique identifier for the target chat or username of the target channel (required)

sendVideo	<i>sendVideo</i>
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Description

Send mp4 videos

Usage

```
sendVideo(video = NULL, duration = NULL, caption = NULL,  
reply_to_message_id = NULL, chat_id = NULL)
```

Arguments

video	Video to send (required)
duration	Duration of sent video in seconds
caption	Video caption
reply_to_message_id	If the message is a reply, ID of the original message
chat_id	Unique identifier for the target chat or username of the target channel (required)

sendVoice	<i>sendVoice</i>
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Description

Send .ogg files encoded with OPUS

Usage

```
sendVoice(voice = NULL, duration = NULL, reply_to_message_id = NULL,
          chat_id = NULL)
```

Arguments

voice	Audio file to send (required)
duration	Duration of sent audio in seconds
reply_to_message_id	If the message is a reply, ID of the original message
chat_id	Unique identifier for the target chat or username of the target channel (required)

telegram	<i>telegram.</i>
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Description

R wrapper around the Telegram Bot API (<http://core.telegram.org/bots/api>) to access Telegram's messaging facilities with ease (eg you send messages, images, files from R to your smartphone)

TGBot	<i>TGBot</i>
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Description

Package main class (implementing the Telegram bot).

Usage

```
TGBot
```

Format

An [R6Class](#) generator object.

API Methods

[forwardMessage](#) forward messages of any kind
[getFile](#) get info about a file and download it
[getMe](#) test your bot's auth token
[getUpdates](#) receive incoming updates
[getUserProfilePhotos](#) get a list of profile pictures for a user
[sendAudio](#) send mp3 files
[sendDocument](#) send general files
[sendLocation](#) send point on the map
[sendMessage](#) send text messages
[sendPhoto](#) send image files
[sendSticker](#) send .webp stickers
[sendVideo](#) send mp4 videos
[sendVoice](#) send ogg files encoded with OPUS

References

[Bots: An introduction for developers](#) and [Telegram Bot API](#)

Examples

```
## Not run:
bot <- TGBot$new(token = bot_token('RBot'))

## End(Not run)
```

user_id

user_id

Description

Obtain telegram user id from system variables (in Renviron) set according to package naming conventions, that is R_TELEGRAM_USER_X where is the user's name .

Usage

```
user_id(x)
```

Arguments

x character of length 1 with the name of the user; if NULL a menu to choose between bot is displayed and the proper token returned

Examples

```
## Not run: user_id('me')
```

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