

Package ‘slackr’

September 20, 2021

Type Package

Title Send Messages, Images, R Objects and Files to 'Slack'
Channels/Users

Version 3.2.0

Author Bob Rudis [aut, cre], Jay Jacobs [ctb], David Severski [ctb],
Quinn Weber [ctb], Konrad Karczewski [ctb], Shinya Uryu [ctb], Gregory
Jefferis [ctb], Ed Niles [ctb], Rick Saporta [ctb], Jonathan Sidi
[aut, ctb], Matt Kaye [aut, ctb], Xinye Li [ctb], Andrie de Vries
[aut, ctb]

Maintainer Matt Kaye <mrkaye97@gmail.com>

Description 'Slack' <<https://slack.com/>> provides a service for teams to collaborate by sharing messages, images, links, files and more. Functions are provided that make it possible to interact with the 'Slack' platform 'API'. When you need to share information or data from R, rather than resort to copy/ paste in e-mails or other services like 'Skype' <<https://www.skype.com/en/>>, you can use this package to send well-formatted output from multiple R objects and expressions to all teammates at the same time with little effort. You can also send images from the current graphics device, R objects, and upload files.

License MIT + file LICENSE

URL <https://github.com/mrkaye97/slackr>,
<https://mrkaye97.github.io/slackr/>

BugReports <https://github.com/mrkaye97/slackr/issues>

Depends R (>= 3.3.0)

Imports cachem (>= 1.0.4), dplyr, ggplot2, graphics, grDevices, http
(>= 1.4.2), jsonlite, magrittr, memoise (>= 2.0.0), methods,
rlang, tibble, utils, withr

Suggests covr, knitr, rmarkdown, svglite, testthat (>= 3.0.0),
texPreview

VignetteBuilder knitr

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.1.1

NeedsCompilation no

Repository CRAN

Date/Publication 2021-09-20 15:10:02 UTC

R topics documented:

auth_test	2
call_slack_api	3
convert_response_to_tibble	4
create_config_file	4
ggslackr	5
register_onexit	7
slackr	9
slackr_bot	10
slackr_channels	11
slackr_chtrans	12
slackr_csv	12
slackr_delete	13
slackr_dev	14
slackr_history	15
slackr_ims	16
slackr_msg	17
slackr_save	18
slackr_setup	19
slackr_tearardown	20
slackr_tex	21
slackr_upload	22
slackr_users	23
warn_for_args	24
with_pagination	24
Index	25

auth_test	<i>Checks authentication & identity against the Slack API.</i>
-----------	--

Description

Checks authentication & identity against the Slack API.

Usage

```
auth_test(token = Sys.getenv("SLACK_TOKEN"))
```

Arguments

token Authentication token bearing required scopes.

References

<https://api.slack.com/methods/auth.test>

Examples

```
if (Sys.getenv("SLACK_TOKEN") != "") {
  auth_test()
}
```

call_slack_api	<i>A wrapper function to call the Slack API with authentication and pagination.</i>
----------------	---

Description

A wrapper function to call the Slack API with authentication and pagination.

Usage

```
call_slack_api(
  path,
  ...,
  body = NULL,
  .method = c("GET", "POST"),
  token,
  .verbose = Sys.getenv("SLACKR_VERBOSE", "FALSE"),
  .next_cursor = ""
)
```

Arguments

path The API definition path, e.g. /api/auth.test.
 ... These arguments must be named and will be added to the API query string.
 body If .method = POST the body gets passed to the API body.
 .method Either "GET" or "POST".
 token Authentication token bearing required scopes.
 .verbose If TRUE, prints http verbose messages. Useful for debugging.
 .next_cursor The value of the next cursor, when using pagination.

Value

The API response (a named list)

`convert_response_to_tibble`*Convert Slack API json response to tibble.*

Description

Convert Slack API json response to tibble.

Usage

```
convert_response_to_tibble(x, element)
```

Arguments

<code>x</code>	The Slack API response object, returned from call_slack_api .
<code>element</code>	The name of the list element to extract.

Value

A tibble

`create_config_file` *Create the config file used in slackr_setup()*

Description

Create the config file used in `slackr_setup()`

Usage

```
create_config_file(  
  filename = "~/slackr",  
  token = Sys.getenv("SLACK_TOKEN"),  
  incoming_webhook_url = Sys.getenv("SLACK_INCOMING_WEBHOOK_URL"),  
  icon_emoji = Sys.getenv("SLACK_ICON_EMOJI"),  
  username = Sys.getenv("SLACK_USERNAME"),  
  channel = Sys.getenv("SLACK_CHANNEL")  
)
```

Arguments

filename	the name of the config file to save. We recommend using a hidden file (starting with '.')
token	Authentication token bearing required scopes.
incoming_webhook_url	the incoming webhook URL (Default: whatever is set as an env var).
icon_emoji	the icon emoji to use as the default.
username	the username to send messages from (will default to "slackr" if no username is set).
channel	Channel, private group, or IM channel to send message to. Can be an encoded ID, or a name. See the chat.postMessage endpoint documentation for details.

Value

TRUE if successful (invisibly)

See Also

[slackr_setup\(\)](#)

Examples

```
## Not run:  
# using `create_config_file()` after `slackr_setup()`  
create_config_file()  
  
# using `create_config_file()` before `slackr_setup()`  
create_config_file(token = 'xox-',  
  incoming_webhook_url = 'https://hooks-',  
  channel = '#general',  
  username = 'slackr',  
  icon_emoji = 'tada')  
  
slackr_setup()  
  
## End(Not run)
```

ggslackr

Post a ggplot to a Slack channel

Description

Unlike the [slackr_dev\(\)](#) function, this one takes a ggplot object, eliminating the need to have a graphics device (think use in scripts).

Usage

```
ggslackr(
  plot = last_plot(),
  channels = Sys.getenv("SLACK_CHANNEL"),
  scale = 1,
  width = par("din")[1],
  height = par("din")[2],
  units = NULL,
  dpi = 300,
  limitsize = TRUE,
  token = Sys.getenv("SLACK_TOKEN"),
  file = "ggplot",
  initial_comment = NULL,
  thread_ts = NULL,
  title = NULL,
  device = c("png", "eps", "ps", "pdf", "jpeg", "tiff", "bmp", "svg"),
  ...
)
```

Arguments

<code>plot</code>	ggplot object to save, defaults to last plot displayed.
<code>channels</code>	Comma-separated list of channel names or IDs where the file will be shared.
<code>scale</code>	scaling factor.
<code>width</code>	width (defaults to the width of current plotting window).
<code>height</code>	height (defaults to the height of current plotting window).
<code>units</code>	units for width and height when either one is explicitly specified (in, cm, or mm).
<code>dpi</code>	dpi to use for raster graphics.
<code>limitsize</code>	when TRUE (the default), ggsave will not save images larger than 50x50 inches, to prevent the common error of specifying dimensions in pixels.
<code>token</code>	Authentication token bearing required scopes.
<code>file</code>	Prefix for filenames (defaults to ggplot).
<code>initial_comment</code>	The message text introducing the file in specified channels.
<code>thread_ts</code>	Provide another message's ts value to upload this file as a reply. Never use a reply's ts value; use its parent instead.
<code>title</code>	Title of file.
<code>device</code>	the file extension to use. Options: "png", "eps", "ps", "pdf", "jpeg", "tiff", "bmp", "svg". Default: "png".
<code>...</code>	other arguments passed to graphics device.

Value

httr response object (invisibly)

Examples

```
## Not run:
slackr_setup()
ggslackr(qplot(mpg, wt, data = mtcars))

## End(Not run)
```

register_onexit	<i>Append slackr_msg as on.exit to functions.</i>
-----------------	---

Description

Appends to the body of a function an on.exit call to run at the end of the call.

Usage

```
register_onexit(
  f,
  ...,
  header_msg = NULL,
  use_device = FALSE,
  env = parent.frame(2),
  channel = Sys.getenv("SLACK_CHANNEL"),
  username = Sys.getenv("SLACK_USERNAME"),
  icon_emoji = Sys.getenv("SLACK_ICON_EMOJI"),
  token = Sys.getenv("SLACK_TOKEN")
)
```

Arguments

f	function or character.
...	expressions to be sent to Slack.
header_msg	boolean, message to append to start of Slack output, Default: NULL.
use_device	boolean, passes current image in the graphics device to Slack as part of f, Default: FALSE.
env	environment to assign appended function to with relation to the function environment, Default: parent.frame(2) (global environment).
channel	Channel, private group, or IM channel to send message to. Can be an encoded ID, or a name. See the chat.postMessage endpoint documentation for details.
username	what user should the bot be named as (chr).
icon_emoji	what emoji to use (chr) "" will mean use the default.
token	Authentication token bearing required scopes.

Details

If a character is passed to f then it will evaluate internally to a function.

Value

function

Author(s)

Jonathan Sidi (aut)

See Also

[slackr_msg\(\)](#)

Examples

```
## Not run:
ctl <- c(4.17, 5.58, 5.18, 6.11, 4.50, 4.61, 5.17, 4.53, 5.33, 5.14)
trt <- c(4.81, 4.17, 4.41, 3.59, 5.87, 3.83, 6.03, 4.89, 4.32, 4.69)
group <- gl(2, 10, 20, labels = c("Ctl", "Trt"))
weight <- c(ctl, trt)

# pass a message to Slack channel 'general'
register_onexit(lm, "bazinga!", channel = "#general")

lm.D9 <- slack_lm(weight ~ group)

# test that output keeps inheritance
summary(lm.D9)

# pass a message to Slack channel 'general' with a header message to begin output
register_onexit(lm, "bazinga!",
  channel = "#general",
  header_msg = "This is a message to begin"
)

lm.D9 <- slack_lm(weight ~ group)

# onexit with an expression that calls lm.plot
register_onexit(lm,
  {
    par(mfrow = c(2, 2), oma = c(0, 0, 2, 0))
    plot(z)
  },
  channel = "#general",
  header_msg = "This is a plot just for this output",
  use_device = TRUE
)

lm.D9 <- slack_lm(weight ~ group)

# clean up slack channel from examples
slackr_delete(count = 6, channel = "#general")

## End(Not run)
```

 slackr

Output R expressions to a Slack channel/user

Description

Takes an `expr`, evaluates it and sends the output to a Slack chat destination. Useful for logging, messaging on long compute tasks or general information sharing.

Usage

```
slackr(
  ...,
  channel = Sys.getenv("SLACK_CHANNEL"),
  username = Sys.getenv("SLACK_USERNAME"),
  icon_emoji = Sys.getenv("SLACK_ICON_EMOJI"),
  token = Sys.getenv("SLACK_TOKEN"),
  thread_ts = NULL,
  reply_broadcast = FALSE
)
```

Arguments

<code>...</code>	expressions to be sent to Slack.
<code>channel</code>	Channel, private group, or IM channel to send message to. Can be an encoded ID, or a name. See the chat.postMessage endpoint documentation for details.
<code>username</code>	what user should the bot be named as (chr).
<code>icon_emoji</code>	what emoji to use (chr) "" will mean use the default.
<code>token</code>	Authentication token bearing required scopes.
<code>thread_ts</code>	Provide another message's <code>ts</code> value to make this message a reply. Avoid using a reply's <code>ts</code> value; use its parent instead.
<code>reply_broadcast</code>	Used in conjunction with <code>thread_ts</code> and indicates whether reply should be made visible to everyone in the channel or conversation. Defaults to <code>FALSE</code> .

Details

By default, everything but `expr` will be looked for in a "SLACK_" environment variable. You can override or just specify these values directly instead, but it's probably better to call `slackr_setup()` first.

Value

the response (invisibly)

Note

You need a <https://www.slack.com> account and will also need to set up an API token <https://api.slack.com/>

See Also

[slackr_setup\(\)](#), [slackr_bot\(\)](#), [slackr_dev\(\)](#), [slackr_save\(\)](#), [slackr_upload\(\)](#)

Examples

```
## Not run:
slackr_setup()
slackr("iris info", head(iris), str(iris))

## End(Not run)
```

slackr_bot

Send result of R expressions to a Slack channel via webhook API

Description

Takes an `expr`, evaluates it and sends the output to a Slack chat destination via the webhook API. Useful for logging, messaging on long compute tasks or general information sharing.

Usage

```
slackr_bot(
  ...,
  incoming_webhook_url = Sys.getenv("SLACK_INCOMING_WEBHOOK_URL")
)
```

Arguments

... expressions to be sent to Slack.

`incoming_webhook_url` which `slack.com` API endpoint URL to use (see section **Webhook URLs** for details).

Details

By default, everything but `expr` will be looked for in a "SLACK_" environment variable. You can override or just specify these values directly instead, but it's probably better to call [slackr_setup\(\)](#) first.

Webhook URLs

Webhook URLs look like:

- <https://hooks.slack.com/services/XXXXX/XXXXX/XXXXX>

OLD STYLE WEBHOOKS ARE NO LONGER SUPPORTED

Note

You need a <https://www.slack.com> account and will also need to setup an incoming webhook: <https://api.slack.com/>. Old style webhooks are no longer supported.

See Also

[slackr_setup\(\)](#), [slackr\(\)](#), [slackr_dev\(\)](#), [slackr_save\(\)](#), [slackr_upload\(\)](#)

Examples

```
## Not run:
slackr_setup()
slackr_bot("iris info", head(iris), str(iris))

# or directly
slackr_bot("Test message",
  incoming_webhook_url = "https://hooks.slack.com/services/XXXXX/XXXXX/XXXXX"
)

## End(Not run)
```

slackr_channels

Get a data frame of Slack channels

Description

Get a data frame of Slack channels

Usage

```
slackr_channels(token = Sys.getenv("SLACK_TOKEN"))
```

Arguments

token Authentication token bearing required scopes.

Value

data.table of channels

slackr_chtrans	<i>Translate vector of channel names to channel IDs for API</i>
----------------	---

Description

Given a vector of one or more channel names, retrieve list of active channels and try to replace channels that begin with "#" or "@" with the channel ID for that channel.

Usage

```
slackr_chtrans(channels, token = Sys.getenv("SLACK_TOKEN"))
```

Arguments

channels	Comma-separated list of channel names or IDs where the file will be shared.
token	Authentication token bearing required scopes.

Value

character vector - original channel list with # or @ channels replaced with ID's.

Author(s)

Quinn Weber (ctb), Bob Rudis (aut)

slackr_csv	<i>Send a data frame to Slack as a CSV</i>
------------	--

Description

slackr_csv simplifies the process of sending a data frame to Slack as a CSV file. It is highly recommended to leave the filename argument as the default (tempfile), as changing it will persist a csv file in your working directory.

Usage

```
slackr_csv(
  data,
  filename = tempfile(fileext = ".csv"),
  title = NULL,
  initial_comment = NULL,
  channels = Sys.getenv("SLACK_CHANNEL"),
  token = Sys.getenv("SLACK_TOKEN"),
  thread_ts = NULL,
  ...
)
```

Arguments

<code>data</code>	the data frame or tibble to upload.
<code>filename</code>	the file to save to. Defaults to a tempfile. Using the default is <i>highly</i> advised, as using a non-tempfile will write a file that persists on the disk (either in the working directory, or at the location specified).
<code>title</code>	Title of file.
<code>initial_comment</code>	The message text introducing the file in specified channels.
<code>channels</code>	Comma-separated list of channel names or IDs where the file will be shared.
<code>token</code>	Authentication token bearing required scopes.
<code>thread_ts</code>	Provide another message's <code>ts</code> value to upload this file as a reply. Never use a reply's <code>ts</code> value; use its parent instead.
<code>...</code>	additional arguments to be passed to <code>write.csv()</code> .

Value

httr response object from POST call (invisibly)

httr response object from POST call (invisibly)

Author(s)

Matt Kaye (aut)

See Also

[slackr_upload\(\)](#)

slackr_delete

slackr_delete

Description

Deletes the specified number of messages from the channel

Usage

```
slackr_delete(
  count,
  channel = Sys.getenv("SLACK_CHANNEL"),
  token = Sys.getenv("SLACK_TOKEN")
)
```

Arguments

count	The number of messages to delete.
channel	Channel, private group, or IM channel to delete messages from. Can be an encoded ID, or a name. See the chat.postMessage endpoint documentation for details.
token	Authentication token bearing required scopes.

slackr_dev	<i>Send the graphics contents of the current device to a Slack channel</i>
------------	--

Description

slackr_dev sends the graphics contents of the current device to the specified Slack channel.

Usage

```
slackr_dev(
  channels = Sys.getenv("SLACK_CHANNEL"),
  token = Sys.getenv("SLACK_TOKEN"),
  file = "plot",
  initial_comment = NULL,
  title = NULL,
  thread_ts = NULL
)
```

Arguments

channels	Comma-separated list of channel names or IDs where the file will be shared.
token	Authentication token bearing required scopes.
file	prefix for filenames (defaults to plot).
initial_comment	The message text introducing the file in specified channels.
title	Title of file.
thread_ts	Provide another message's ts value to upload this file as a reply. Never use a reply's ts value; use its parent instead.

Value

httr response object from POST call

Author(s)

Konrad Karczewski (ctb), Bob Rudis (aut)

References

<https://github.com/mrkaye97/slackr/pull/12/files>

See Also

[slackr_setup\(\)](#), [slackr_save\(\)](#), [slackr_upload\(\)](#)

Examples

```
## Not run:
slackr_setup()

# base
library(maps)
map("usa")
slackr_dev("#results", file = "map")

# base
barplot(VADeaths)
slackr_dev("@jayjacobs")

## End(Not run)
```

slackr_history	<i>Reads history of a channel.</i>
----------------	------------------------------------

Description

Returns a dataframe of post history in a channel.

Usage

```
slackr_history(
  message_count,
  channel = Sys.getenv("SLACK_CHANNEL"),
  token = Sys.getenv("SLACK_TOKEN"),
  posted_to_time = as.numeric(Sys.time()),
  duration,
  posted_from_time,
  paginate = FALSE
)
```

Arguments

message_count	The number of messages to retrieve (only when paginate = FALSE).
channel	Channel, private group, or IM channel to send message to. Can be an encoded ID, or a name.
token	Authentication token bearing required scopes.

posted_to_time Timestamp of the last post to consider (default: current time).
 duration Number of hours of history to retrieve. By default retrieves 24 hours of history.
 posted_from_time Timestamp of the first post time to consider.
 paginate If TRUE, uses the Slack API pagination mechanism, and will retrieve all history inside the timeframe. Otherwise, makes a single call to the API and retrieves a maximum of message_count messages.

Value

A tibble with message metadata

Scopes

You need one or more of these scopes enabled in your slack app: * channels:history * groups:history * im:history * mpim:history

References

<https://api.slack.com/methods/conversations.history>

slackr_ims

Get a data frame of Slack IM ids

Description

Get a data frame of Slack IM ids

Usage

```
slackr_ims(token = Sys.getenv("SLACK_TOKEN"))
```

Arguments

token Authentication token bearing required scopes.

Value

data.frame of im ids and user names

Author(s)

Quinn Weber (aut), Bob Rudis (ctb)

References

<https://github.com/mrkaye97/slackr/pull/13>

slackr_msg	<i>Sends a message to a slack channel.</i>
------------	--

Description

Sends a message to a slack channel.

Usage

```
slackr_msg(
  txt = "",
  channel = Sys.getenv("SLACK_CHANNEL"),
  username = Sys.getenv("SLACK_USERNAME"),
  icon_emoji = Sys.getenv("SLACK_ICON_EMOJI"),
  token = Sys.getenv("SLACK_TOKEN"),
  thread_ts = NULL,
  reply_broadcast = FALSE,
  ...
)
```

Arguments

txt	text message to send to Slack. If a character vector of length > 1 is passed in, they will be combined and separated by newlines.
channel	Channel, private group, or IM channel to send message to. Can be an encoded ID, or a name. See the chat.postMessage endpoint documentation for details.
username	what user should the bot be named as (chr).
icon_emoji	what emoji to use (chr) "" will mean use the default.
token	Authentication token bearing required scopes.
thread_ts	Provide another message's ts value to make this message a reply. Avoid using a reply's ts value; use its parent instead.
reply_broadcast	Used in conjunction with thread_ts and indicates whether reply should be made visible to everyone in the channel or conversation. Defaults to FALSE.
...	other arguments passed to the Slack API chat.postMessage call

Value

the response (invisibly)

Note

You need a <https://www.slack.com> account and will also need to setup an API token <https://api.slack.com/> Also, you can pass in add_user=TRUE as part of the ... parameters and the Slack API will post the message as your logged-in user account (this will override anything set in username)

See Also

[slackr_setup\(\)](#), [slackr_bot\(\)](#), [slackr_dev\(\)](#), [slackr_save\(\)](#), [slackr_upload\(\)](#)

Examples

```
## Not run:
slackr_setup()
slackr_msg("Hi")

## End(Not run)
```

slackr_save	<i>Save R objects to an RData file on Slack</i>
-------------	---

Description

slackr_save enables you upload R objects (as an R data file) to Slack and (optionally) post them to one or more channels (if channels is not empty).

Usage

```
slackr_save(
  ...,
  channels = Sys.getenv("SLACK_CHANNEL"),
  file = "slackr",
  token = Sys.getenv("SLACK_TOKEN"),
  initial_comment = NULL,
  title = NULL,
  thread_ts = NULL
)
```

Arguments

...	objects to store in the R data file.
channels	Comma-separated list of channel names or IDs where the file will be shared.
file	filename (without extension) to use.
token	Authentication token bearing required scopes.
initial_comment	The message text introducing the file in specified channels.
title	Title of file.
thread_ts	Provide another message's ts value to upload this file as a reply. Never use a reply's ts value; use its parent instead.

Value

httr response object from POST call

See Also

[slackr_setup\(\)](#), [slackr_dev\(\)](#), [slackr_upload\(\)](#)

Examples

```
## Not run:
slackr_setup()
slackr_save(mtcars, channels = "#slackr", file = "mtcars")

## End(Not run)
```

slackr_setup

Setup environment variables for Slack API access

Description

Initialize all the environment variables [slackr\(\)](#) will need to use to work properly.

Usage

```
slackr_setup(
  channel = "#general",
  username = "slackr",
  icon_emoji = "",
  incoming_webhook_url = "",
  token = "",
  config_file = "~/.slackr",
  echo = FALSE,
  cache_dir = ""
)
```

Arguments

channel	default channel to send the output to (chr) defaults to #general.
username	the username output will appear from (chr) defaults to slackr.
icon_emoji	which emoji picture to use (chr) defaults to none (can be left blank in config file as well).
incoming_webhook_url	the Slack URL prefix to use (chr) defaults to none.
token	Authentication token bearing required scopes.
config_file	a configuration file (DCF) - see read.dcf - format with the config values.
echo	display the configuration variables (bool) initially FALSE.
cache_dir	the location for an on-disk cache. defaults to an in-memory cache if no location is specified.

Details

By default, `slackr()` (and other functions) will use the #general room and a username of `slackr()` with no emoji.

If a valid file is found at the location pointed to by `config_file`, the values there will be used. The fields should be specified as such in the file:

```
token: SLACK_TOKEN
channel: #general
username: slackr
incoming_webhook_url: https://hooks.slack.com/services/XXXXX/XXXXX/XXXXX
```

Value

"Successfully connected to Slack"

Note

You need a **Slack** account and all your API URLs & tokens setup to use this package.

See Also

[slackr\(\)](#), [slackr_dev\(\)](#), [slackr_save\(\)](#), [slackr_upload\(\)](#)

Examples

```
## Not run:
# reads from default file (i.e. ~/.slackr)
slackr_setup()

# reads from alternate config
slackr_setup(config_file="/path/to/my/slackrconfig)

# the hard way
slackr_setup(channel="#code",
  incoming_webhook_url="https://hooks.slack.com/services/XXXXX/XXXXX/XXXXX")

## End(Not run)
```

<code>slackr_tearardown</code>	<i>Unset env vars created by <code>slackr_setup()</code></i>
--------------------------------	--

Description

Unset env vars created by `slackr_setup()`

Usage

```
slackr_tearardown()
```

Value

TRUE if successful (invisibly)

See Also

[slackr_setup\(\)](#)

Examples

```
## Not run:
  slackr_takedown()

## End(Not run)
```

slackr_tex

Post a tex output to a Slack channel

Description

Unlike the [slackr_dev\(\)](#) function, this one takes a tex object, eliminating the need write to pdf and convert to png to pass to slack.

Usage

```
slackr_tex(
  obj,
  channels = Sys.getenv("SLACK_CHANNEL"),
  token = Sys.getenv("SLACK_TOKEN"),
  ext = "png",
  path = NULL,
  title = NULL,
  initial_comment = NULL,
  thread_ts = NULL,
  ...
)
```

Arguments

obj	character object containing tex to compile.
channels	Comma-separated list of channel names or IDs where the file will be shared.
token	Authentication token bearing required scopes.
ext	character, type of format to return, can be tex, pdf, or any image device, Default: 'png'.
path	character, path to save tex_preview outputs, if NULL then tempdir is used, Default: NULL.
title	Title of file.

initial_comment The message text introducing the file in specified channels.

thread_ts Provide another message's ts value to upload this file as a reply. Never use a reply's ts value; use its parent instead.

... other arguments passed to `texPreview::tex_preview()`, see Details

Details

Please make sure `texPreview` package is installed before running this function. For TeX setup refer to the [Setup notes on LaTeX](#).

Value

httr response object (invisibly)

Note

You need to setup a full API token (i.e. not a webhook & not OAuth) for this to work Also, you can pass in `add_user=TRUE` as part of the ... parameters and the Slack API will post the message as your logged-in user account (this will override anything set in `username`)

Author(s)

Jonathan Sidi (aut)

See Also

[texPreview::tex_preview\(\)](#)

slackr_upload	<i>Send a file to Slack</i>
---------------	-----------------------------

Description

`slackr_upload` enables you upload files to Slack and (optionally) post them to one or more channels (if `channels` is not empty).

Usage

```
slackr_upload(
  filename,
  title = NULL,
  initial_comment = NULL,
  channels = Sys.getenv("SLACK_CHANNEL"),
  token = Sys.getenv("SLACK_TOKEN"),
  thread_ts = NULL
)
```

Arguments

filename	path to file.
title	Title of file.
initial_comment	The message text introducing the file in specified channels.
channels	Comma-separated list of channel names or IDs where the file will be shared.
token	Authentication token bearing required scopes.
thread_ts	Provide another message's ts value to upload this file as a reply. Never use a reply's ts value; use its parent instead.

Value

httr response object from POST call (invisibly)

httr response object from POST call (invisibly)

Author(s)

Quinn Weber (ctb), Bob Rudis (aut)

References

<https://github.com/mrkaye97/slackr/pull/15/files>

See Also

[slackr_setup\(\)](#), [slackr_dev\(\)](#), [slackr_save\(\)](#)

slackr_users	<i>Get a data frame of Slack users</i>
--------------	--

Description

Get a data frame of Slack users

Usage

```
slackr_users(token = Sys.getenv("SLACK_TOKEN"))
```

Arguments

token	Authentication token bearing required scopes.
-------	---

Value

data.frame of users

warn_for_args	<i>Check for token-parameter mismatches</i>
---------------	---

Description

Check for token-parameter mismatches

Usage

```
warn_for_args(token, ...)
```

Arguments

token	Authentication token bearing required scopes.
...	Additional arguments passed to the function called.

Value

No return value. Called for side effects

with_pagination	<i>Calls the slack API with pagination using cursors.</i>
-----------------	---

Description

This loops over fun, extracts the next_cursor from the API response, and injects this into the next loop. At the completion of each loop, the function `convert_response_to_tibble()` is run with extract as an argument. The results are combined with `dplyr::bind_rows()`

Usage

```
with_pagination(fun, extract)
```

Arguments

fun	A function that calls the slack API.
extract	The name of the element to extract from the API response.

Value

A tibble

See Also

`call_slack_api`

Index

* Internal

convert_response_to_tibble, 4

auth_test, 2

call_slack_api, 3, 4

convert_response_to_tibble, 4

convert_response_to_tibble(), 24

create_config_file, 4

dplyr::bind_rows(), 24

ggslackr, 5

read.dcf, 19

register_onexit, 7

slackr, 9

slackr(), 11, 19, 20

slackr_bot, 10

slackr_bot(), 10, 18

slackr_channels, 11

slackr_chtrans, 12

slackr_csv, 12

slackr_delete, 13

slackr_dev, 14

slackr_dev(), 5, 10, 11, 18–21, 23

slackr_history, 15

slackr_ims, 16

slackr_msg, 17

slackr_msg(), 8

slackr_save, 18

slackr_save(), 10, 11, 15, 18, 20, 23

slackr_setup, 19

slackr_setup(), 5, 9–11, 15, 18, 19, 21, 23

slackr_teardown, 20

slackr_tex, 21

slackr_upload, 22

slackr_upload(), 10, 11, 13, 15, 18–20

slackr_users, 23

texPreview::tex_preview(), 22

warn_for_args, 24

with_pagination, 24