

# Package: slackr (via r-universe)

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**Type** Package

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

**Version** 3.3.2

**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.

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

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

**Depends** R (>= 3.3.0)

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withr

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**Repository** https://mrkaye97.r-universe.dev

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---

auth\_test

*Checks authentication & identity against the Slack API.*

---

### 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 <a href="#">call_slack_api</a> .
<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 <a href="#">chat.postMessage endpoint documentation</a> 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 = ggplot2::last_plot(),
  channels = Sys.getenv("SLACK_CHANNEL"),
  token = Sys.getenv("SLACK_TOKEN"),
  file = "ggplot.png",
  initial_comment = NULL,
  thread_ts = NULL,
  title = NULL,
  ...
)

```

**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>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>...</code>	other arguments passed to <a href="#">ggsave</a>

**Value**

httr response object (invisibly)

**Examples**

```

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

## End(Not run)

```

---

register\_onexit

*Append slackr\_msg as on.exit to functions.*

---

**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 <a href="#">chat.postMessage endpoint documentation</a> 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

## Note

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

## 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 <a href="#">chat.postMessage endpoint documentation</a> 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 FALSE.

### 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"), exclude_archived = TRUE)
```

**Arguments**

token                    Authentication token bearing required scopes.  
exclude\_archived        A boolean indicating whether or not to exclude archived channels.

**Value**

A data.frame 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 <a href="#">chat.postMessage endpoint documentation</a> 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 = 100,
  channel = Sys.getenv("SLACK_CHANNEL"),
  token = Sys.getenv("SLACK_TOKEN"),
  posted_to_time = as.numeric(Sys.time()),
  duration = NULL,
  posted_from_time = 0,
  paginate = FALSE,
  inclusive = TRUE
)
```

## Arguments

**message\_count** The number of messages to retrieve (only when `paginate = FALSE`). Corresponds to `limit` in the [conversations.history](#) docs. Note: If using pagination, setting a value of (e.g.) 1 will result in paginating through the channel's history one message at a time. Slack recommends using a value of 200. (Default: 100)

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. Corresponds to latest in the <a href="#">conversations.history</a> docs. Default: current time.
duration	Number of hours of history to retrieve. If neither duration nor posted_from_time is specified, there is no time limit on the retrieved history. (default: NULL)
posted_from_time	Timestamp of the first post time to consider. If both posted_to_time and duration is specified, they take precedence. Corresponds to oldest in the <a href="#">conversations.history</a> docs. Default: 0
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.
inclusive	Include messages with oldest or latest timestamps in results. Ignored unless either timestamp is specified.

**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	<i>Get a data frame of Slack IM ids</i>
------------	---

---

**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 <a href="#">chat.postMessage endpoint documentation</a> 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

*Save R objects to an RData file on Slack*

---

**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 = Sys.getenv("SLACKR_CONFIG_FILE_PATH", unset = "~/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 <a href="#">read.dcf</a> - 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)
```

---

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

---

### Description

Unset env vars created by slackr\_setup()

### Usage

```
slackr_teardown()
```

### Value

TRUE if successful (invisibly)

### See Also

[slackr\\_setup\(\)](#)

### Examples

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

---

slackr_tex	<i>Post a tex output to a Slack channel</i>
------------	---

---

### 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**

<code>obj</code>	character object containing tex to compile.
<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>ext</code>	character, type of format to return, can be tex, pdf, or any image device, Default: 'png'.
<code>path</code>	character, path to save tex_preview outputs, if NULL then tempdir is used, Default: NULL.
<code>title</code>	Title of file.
<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>...</code>	other arguments passed to <code>texPreview::tex_preview()</code> , 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`

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