

Package ‘ntfy’

October 26, 2025

Title Lightweight Wrapper to the 'ntfy.sh' Service

Version 0.1.0

Maintainer Jonathan Carroll <rpkg@jcarroll.com.au>

Description The 'ntfy' (pronounce: notify) service is a simple HTTP-based pub-sub notification service. It allows you to send notifications to your phone or desktop via scripts from any computer, entirely without signup, cost or setup. It's also open source if you want to run your own.
Visit <<https://ntfy.sh>> for more details.

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 7.3.3

Imports httr2, jsonlite

URL <https://github.com/jonocarroll/ntfy>,
<https://jonocarroll.github.io/ntfy/>

BugReports <https://github.com/jonocarroll/ntfy/issues>

Depends R (>= 4.1)

LazyData true

Suggests ggplot2, testthat (>= 3.0.0), withr

Config/testthat/edition 3

NeedsCompilation no

Author Jonathan Carroll [aut, cre] (ORCID:
<<https://orcid.org/0000-0002-1404-5264>>),
Andrew Heiss [ctb] (ORCID: <<https://orcid.org/0000-0002-3948-3914>>),
Hadley Wickham [ctb] (ORCID: <<https://orcid.org/0000-0003-4757-117X>>)

Repository CRAN

Date/Publication 2025-10-26 18:20:02 UTC

Contents

emoji	2
ntfy_done	3
ntfy_history	4
ntfy_send	5
show_emoji	6
tags	7
Index	8

emoji	Emoji
-------	-------

Description

Emoji symbols available in ntfy

Usage

emoji

Format

emoji:
A data frame with 7,240 rows and 60 columns:
emoji Symbol
aliases Name of the emoji that can be used in a tag
tags Alternative names
category Category
description Description
unicode_version Unicode Version ...

Source

<https://github.com/binwiederhier/ntfy/blob/main/web/src/app/emojis.js>

`ntfy_done`*Notify on Completion of a Process*

Description

`ntfy_done()` tells you when the code completed, and `ntfy_done_with_timing()` tells you how long it took.

Usage

```
ntfy_done(  
    x,  
    message = paste0("Process completed at ", format(Sys.time())),  
    title = "ntfy_done()",  
    tags = "white_check_mark",  
    topic = ntfy_topic(),  
    server = ntfy_server(),  
    auth = ntfy_auth(),  
    username = ntfy_username(),  
    password = ntfy_password(),  
    ...  
)  
  
ntfy_done_with_timing(  
    x,  
    message = paste0("Process completed in ", format(time_result), "s"),  
    title = "ntfy_done_with_timing()",  
    tags = "stopwatch",  
    topic = ntfy_topic(),  
    server = ntfy_server(),  
    auth = ntfy_auth(),  
    username = ntfy_username(),  
    password = ntfy_password(),  
    ...  
)
```

Arguments

<code>x</code>	a result (ignored)
<code>message</code>	text to send as notification
<code>title</code>	title of notification. See https://docs.ntfy.sh/publish/#message-title
<code>tags</code>	text tags or emoji shortcodes from https://docs.ntfy.sh/emojis/ , provided as a list
<code>topic</code>	subscribed topic to which to send notification
<code>server</code>	ntfy server

auth	logical indicating if the topic requires password authorization
username	username with access to a protected topic.
password	password with access to a protected topic.
...	other arguments passed to <code>ntfy_send()</code>

Value

The input x (for further piping). A notification will be sent as a side-effect.

Examples

```
# report that a process has completed
Sys.sleep(3) |> ntfy_done("Woke up")

# report that a process has completed, and how long it took
Sys.sleep(3) |> ntfy_done_with_timing()
```

ntfy_history	<i>Retrieve History of Notifications</i>
--------------	--

Description

Retrieve History of Notifications

Usage

```
ntfy_history(
  since = "all",
  topic = ntfy_topic(),
  server = ntfy_server(),
  auth = ntfy_auth(),
  username = ntfy_username(),
  password = ntfy_password(),
  ...
)
```

Arguments

since	duration (e.g. "10m" or "30s"), a Unix timestamp (e.g. "1635528757"), a message ID (e.g. "nFS3knfcQ1xe"), or "all" (all cached messages)
topic	subscribed topic to which to send notification
server	ntfy server
auth	logical indicating if the topic requires password authorization
username	username with access to a protected topic.
password	password with access to a protected topic.
...	any other (named) query parameters to add to the request

Value

a `data.frame()` with one row per notification, with columns as described in the documentation

See Also

<https://ntfy.sh/docs/subscribe/api/#json-message-format>

Examples

```
# get the last hour of notifications
ntfy_history(since = "1h")
```

ntfy_send	<i>Send a Notification</i>
-----------	----------------------------

Description

Send a Notification

Usage

```
ntfy_send(
  message = "test",
  title = NULL,
  tags = NULL,
  priority = 3,
  actions = NULL,
  click = NULL,
  image = NULL,
  attach = NULL,
  filename = NULL,
  delay = NULL,
  email = NULL,
  topic = ntfy_topic(),
  server = ntfy_server(),
  auth = ntfy_auth(),
  username = ntfy_username(),
  password = ntfy_password()
)
```

Arguments

message	text to send as notification
title	title of notification. See https://docs.ntfy.sh/publish/#message-title
tags	text tags or emoji shortcodes from https://docs.ntfy.sh/emojis/ , provided as a list

priority	Message priority with 1=min, 3=default and 5=max. See https://docs.ntfy.sh/publish/#message-priority
actions	Custom user action buttons for notifications. See https://docs.ntfy.sh/publish/#action-buttons
click	Website opened when notification is clicked. See https://docs.ntfy.sh/publish/#click-action
image	Image to include in the body of the notification. Either a ggplot object or a filename.
attach	URL of an attachment, see attach via URL. See https://docs.ntfy.sh/publish/#attach-file-from-url
filename	File name of the attachment
delay	Timestamp or duration for delayed delivery
email	E-mail address for e-mail notifications??
topic	subscribed topic to which to send notification
server	ntfy server
auth	logical indicating if the topic requires password authorization
username	username with access to a protected topic.
password	password with access to a protected topic.

Value

a `httr2::response()` object, invisibly.

Examples

```
# send a message to the default topic ('mytopic')
ntfy_send("test from R!")

# can use tags (emoji)
ntfy_send(message = "sending with tags!",
          tags = c(tags$cat, tags$dog)
)
```

show_emoji	<i>Show an emoji symbol, or find one by name</i>
------------	--

Description

Show an emoji symbol, or find one by name

Usage

```
show_emoji(name = NULL, search = FALSE)
```

Arguments

name	name of emoji to either print or find
search	search the tags column for this name?

Details

Emoji are loaded with `data("emoji")` and the `aliases` column contains the names compatible with `ntfy`. Alternative names are included in the `tags` column and these will be searched if the name is not found in `aliases`.

Value

nothing, just prints the emoji if one or more are found

Examples

```
show_emoji("dog")
show_emoji("party")
```

tags

*Emoji tags***Description**

Emoji symbols compatible with `ntfy` to be used as tags

Usage

```
tags
```

Format

An object of class `list` of length 1855.

Index

* datasets

emoji, [2](#)

tags, [7](#)

data.frame(), [5](#)

emoji, [2](#)

httr2::response(), [6](#)

ntfy_done, [3](#)

ntfy_done_with_timing (ntfy_done), [3](#)

ntfy_history, [4](#)

ntfy_send, [5](#)

ntfy_send(), [4](#)

show_emoji, [6](#)

tags, [7](#)