

Package ‘imguR’

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Imports httr, png, jpeg, tools

Description A complete API client for the image hosting service Imgur.com, including the an imgur graphics device, enabling the easy upload and sharing of plots.

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URL <https://github.com/leeper/imguR>

BugReports <https://github.com/leeper/imguR/issues>

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imguR-package

Imgur API Client Package for R

Description

This package enables intuitive uploading of plots created in R to the free image hosting service [Imgur](http://www.imgur.com) simply, quickly, and intuitively via the [Imgur v3 API](http://api.imgur.com). The package is a complete client library for the Imgur API, meaning that one can also delete, favorite, and comment on images, as well as organize them in albums and galleries. By default, all images are loaded to Imgur anonymously. Optionally, using an OAuth2.0 login, users can also gain fully access to their own Imgur user account.

Author(s)

Thomas J. Leeper and Aaron Statham

Maintainer: Thomas J. Leeper <thosjleeper@gmail.com>

References

[Imgur](#)

[API Documentation](#)

account

Retrieve user account details

Description

Retrieve details of a user's account

Usage

```
account(account = 'me', ...)
```

```
account_verified(...)
```

```
send_verification(...)
```

Arguments

account A username, by default the current user (if token is supplied). `account_verified` and `send_verification` require a token argument.

... Other arguments passed to HTTP request functions, for example: `token` (an OAuth2.0 token) or `key` (an API key, used by default).

Details

account returns basic details of a user account. account_verified indicates whether one's user account has been email-verified. send_verification sends a verification email to the user's email account.

Value

An object of class "imgur_account".

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
# get account details for a user account
account('thosjleeper')

# check account verification
tkn <- imgur_login()
if(!account_verified(token = tkn))
  send_verification(token = tkn)
account(token = tkn)

## End(Not run)
```

account_albums	<i>Retrieve user albums</i>
----------------	-----------------------------

Description

Retrieve details of a user's albums

Usage

```
account_albums(account = 'me', ids = TRUE, ...)
account_album_count(account = 'me', ...)
```

Arguments

account	A username, by default the current user (if token is supplied).
ids	A logical indicating whether to only return album IDs.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

account_albums retrieves details of a user's albums. By default (and if a token argument is supplied), the current user's albums are returned. Specifying another username is also possible with or without a token. account_album_count returns just the number of albums, which is useful for handling pagination of the results.

Value

For account_albums, a list of objects of class "imgur_albums". For account_album_count, a number.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
account_albums('thosjleeper')

## End(Not run)
```

account_comments	<i>Retrieve user albums</i>
------------------	-----------------------------

Description

Retrieve details of a user's albums

Usage

```
account_comments(account = 'me', ids = FALSE, ...)

account_comment_count(account = 'me', ...)
```

Arguments

account	A username, by default the current user (if token is supplied).
ids	A logical indicating whether to only return album IDs.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

account_comments retrieves details of a user's comments. By default (and if a token argument is supplied), the current user's comments are returned. Specifying another username is also possible with or without a token. account_comment_count returns just the number of comments, which is useful for handling pagination of the results.

Value

For `account_comments`, an object of class “`imgur_comment`”. For `account_comment_count`, a number.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
account_comments('thosjleeper')

## End(Not run)
```

`account_favorites` *Retrieve user favorites*

Description

Retrieve details of a user’s favorite images

Usage

```
account_favorites(account = 'me', gallery = FALSE, ...)
```

Arguments

<code>account</code>	A username, by default the current user (if token is supplied).
<code>gallery</code>	A logical indicating whether to only return gallery favorites.
<code>...</code>	Other arguments passed to HTTP request functions, for example: <code>token</code> (an OAuth2.0 token) or <code>key</code> (an API key, used by default).

Details

`account_favorites` retrieves details of a user’s favorites. By default (and if a token argument is supplied), the current user’s favorites are returned. Specifying another username is also possible with or without a token.

Value

For `account_favorites`, an object of class “`imgur_gallery_image`” or “`imgur_gallery_album`”.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
account_favorites('thosjleeper')

## End(Not run)
```

account_gallery	<i>User gallery profile</i>
-----------------	-----------------------------

Description

Retrieve details of a user's gallery profile

Usage

```
account_gallery(account = 'me', ...)
```

Arguments

account	A username, by default the current user (if token is supplied). account_verified and send_verification require a token argument.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

account_gallery returns basic details of a user's gallery profile, including counts of comments, likes, submissions, and trophies.

Value

An object of class "imgur_gallery_profile".

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
tkn <- imgur_login()
account_gallery(token = tkn)

## End(Not run)
```

account_images	<i>Retrieve user images</i>
----------------	-----------------------------

Description

Retrieve details of a user's images

Usage

```
account_images(account = 'me', page = NULL, ids = TRUE, ...)
```

```
account_image_count(account = 'me', ...)
```

Arguments

account	A username, by default the current user (if token is supplied).
page	Optionally, a page of results to return.
ids	A logical indicating whether to only return image IDs.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

account_images retrieves details of a user's images. By default (and if a token argument is supplied), the current user's images are returned. Specifying another username is also possible with or without a token. account_image_count returns just the number of images, which is useful for handling pagination of the results.

Value

For account_images, an object of class "imgur_image". For account_image_count, a number.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:  
account_images('thosjleeper')  
  
## End(Not run)
```

account_settings	<i>Retrieve and modify account settings</i>
------------------	---

Description

Retrieve and modify account settings

Usage

```
account_settings(bio = NULL,  
                 public_images = NULL,  
                 messaging_enabled = NULL,  
                 album_privacy = NULL,  
                 accepted_gallery_terms = NULL,  
                 ...)
```

Arguments

bio	The biography of user, which is displayed in the gallery profile page.
public_images	A logical indicating whether images public by default.
messaging_enabled	A logical indicating whether private messages are allowed.
album_privacy	The default privacy for albums. One of “public”, “hidden”, or “secret”.
accepted_gallery_terms	A logical indicating whether the user agrees to the Imgur gallery terms.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

If none of the named arguments (other than token) are specified, this retrieves settings of the account. If any of the named arguments are specified, those parameters are modified.

Value

If not modifying settings, an object of “imgur_account_settings”, otherwise an object of “imgur_basic”.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
tkn <- imgur_login()

# retrieve settings
account_settings(token = tkn)

# set albums to default to public
account_settings(album_privacy = 'public', token = tkn)

## End(Not run)
```

add_album_images *Manage album images*

Description

Add images to or remove images from an album

Usage

```
add_album_images(album, id, ...)
remove_album_images(album, id, ...)
set_album_images(album, id, ...)
```

Arguments

album	An album ID or object of class “imgur_album”.
id	A vector of one or more image IDs to add to the album or a list of objects of class “imgur_image”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

add_album_images adds the specified images to the album.

set_album_images removes all current images from the album and adds the specified images to the album.

remove_album_images removes the specified images from the album.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[create_album](#)

[update_album](#)

add_gallery_images *Add gallery images*

Description

Add images to the gallery

Usage

```
add_gallery_images(album = NULL, id = NULL, title = NULL, ...)
```

Arguments

album	An album ID or object of class “imgur_album” to add to the gallery.
id	An image ID or an object of class “imgur_image” to add to the gallery.
title	A title for the image
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

This function adds the specified image or album to the gallery. `title` is required by the API. If `NULL`, the title is drawn from a call to [get_album](#) or [get_image](#).

Value

An object of class “imgur_gallery_image” or “imgur_gallery_album”.

Author(s)

Thomas J. Leeper

See Also

[remove_gallery_image](#)

Description

Description of Imgur API authentication options

Details

All calls to the Imgur.com API must be authenticated. `imgur` provides two authentication methods: anonymous API key authentication (the default) and OAuth2.0 authentication.

By default, all calls are made anonymously. Most operations can be performed in this way. The package provides an API key for performing operations in this way. This default key can be overridden by passing `key` argument through any function. This may be useful if you intend to make a large number of anonymous requests using your own registered application.

Alternatively, calls can be made with a user-specific OAuth2.0 token. This token is generated using `imgur_login` in an interactive session. The token allows calls to be made to a specific Imgur.com user account, which eases making subsequent changes to uploaded images (e.g., updating their metadata, adding images to an album, or deleting images). The token can then be passed using the `token` argument to any function.

Note: if both `key` and `token` arguments are supplied to a function, the `token` argument always takes precedence.

References

<https://api.imgur.com/oauth2>

See Also

`imgur_login`

Examples

```
## Not run:
# OAuth2.0-authenticated use

# interactive OAuth login
tkn <- imgur_login()

# upload a simple graph
i <- imgur(token = tkn)
hist(rnorm(100))
u <- imgur_off(i)

# pass the `imgur_image` object to `update_image`:
update_image(u, title = 'My graph', description = 'A simple graph', token = tkn)

# or, pass just the image id:
```

```
update_image(u$id, title = 'My graph', description = 'A simple graph', token = tkn)

# periodically refresh token
tkn$refresh()

## End(Not run)

## Not run:
# anonymous use

# upload a simple graph
i <- imgur()
hist(rnorm(100))
u <- imgur_off(i)

# pass just the image deletehash:
update_image(u$deletehash, title = 'My graph', description = 'A simple graph')

## End(Not run)
```

block_sender

Block a user

Description

Block a user from sending messages

Usage

```
block_sender(username, ...)
```

Arguments

username	A character string containing an Imgur username.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

Block an Imgur user from sending messages.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
tkn <- imgur_login()
block_sender("thosjleeper", token = tkn)

## End(Not run)
```

create_album	<i>Create album</i>
--------------	---------------------

Description

Create an album

Usage

```
create_album(id = NULL,
             title = NULL, description = NULL,
             privacy = NULL, layout = NULL, cover_id = NULL, ...)
```

Arguments

id	A vector of one or more image IDs to add to the album or a list of objects of class "imgur_image".
title	Optionally, an album title.
description	Optionally, an album description.
privacy	The privacy for the album. One of "public", "hidden", or "secret".
layout	The layout for the album. One of "blog", "grid", "horizontal", or "vertical".)
cover_id	An image ID or an object of class "imgur_image".
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Creates an Imgur album with the specified images and metadata. All options are optional. Images can only be added to anonymous albums with `create_album`, not after the fact. Albums created with an OAuth2.0 authentication token can be modified in any way.

Value

An object of class "imgur_basic".

Author(s)

Thomas J. Leeper

See Also

[update_album](#)
[add_album_images](#)
[remove_album_images](#)
[set_album_images](#)

Examples

```
## Not run:  
i <- imgur()  
hist(rnorm(20))  
img <- imgur_off(i)  
create_album(id = img,  
             title = 'My first Imgur album',  
             description = 'A simple album',  
             privacy = 'hidden',  
             layout = 'grid',  
             cover_id = img)  
  
## End(Not run)
```

create_comment	<i>Create a comments</i>
----------------	--------------------------

Description

Create a comment on an image

Usage

```
create_comment(id, comment, parent = NULL, ...)
```

Arguments

id	An image ID or an object of class “imgur_image”.
comment	A character string containing the comment.
parent	An optional comment ID to reply to.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

account_favorites retrieves details of a user’s favorites. By default (and if a token argument is supplied), the current user’s favorites are returned. Specifying another username is also possible with or without a token.

Value

For `account_favorites`, an object of class “`imgur_gallery_image`” or “`imgur_gallery_album`”.

Author(s)

Thomas J. Leeper

See Also

[get_comment](#)

[delete_comment](#)

Examples

```
## Not run:
tkn <- imgur_login()

# comment on an image
cmt <- create_comment("vSXfU46", "This is a test comment", token = tkn)

# create a reply comment
create_comment("vSXfU46", "This is a test comment", parent = cmt, token = tkn)

## End(Not run)
```

<code>create_message</code>	<i>Create a comments</i>
-----------------------------	--------------------------

Description

Create a comment on an image

Usage

```
create_message(recipient, body, ...)
```

Arguments

<code>recipient</code>	A character string containing the recipient’s Imgur username.
<code>body</code>	A character string containing the message.
<code>...</code>	Other arguments passed to HTTP request functions, for example: <code>token</code> (an OAuth2.0 token), which is required.

Details

Send a message to another Imgur user.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[get_conversations](#)

[delete_conversation](#)

Examples

```
## Not run:
tkn <- imgur_login()
create_message("thosjleeper", "This is a test comment from imgur", token = tkn)

## End(Not run)
```

delete_album

Delete album

Description

Delete an album

Usage

```
delete_album(album, ...)
```

Arguments

album	An album ID or object of class “imgur_image”. If no token is supplied, id must be a deletehash from the original upload_image response.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Deletes an album.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[create_album](#)
[favorite_album](#)
[update_album](#)

Examples

```
## Not run:  
# using an OAuth token  
tkn <- imgur_login()  
a <- account_albums(token = tkn)  
delete_album(a[[1]], token = tkn)  
  
## End(Not run)
```

delete_comment	<i>Delete a comment</i>
----------------	-------------------------

Description

Delete a comment from an image

Usage

```
delete_comment(comment, ...)
```

Arguments

comment	A comment ID, perhaps returned by create_comment .
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

Delete a comment.

Value

An object of class “imgur_basic”

Author(s)

Thomas J. Leeper

See Also

[get_comment](#)
[create_comment](#)

Examples

```
## Not run:  
tkn <- imgur_login()  
cmt <- create_comment("vSXfU46", comment = 'This is a test comment.')
```

`delete_comment(cmt, token = tkn)`

```
## End(Not run)
```

`delete_conversation` *Delete conversation*

Description

Delete a conversation

Usage

```
delete_conversation(id, ...)
```

Arguments

<code>id</code>	A conversation ID, possibly returned by get_conversations .
<code>...</code>	Other arguments passed to HTTP request functions, for example: <code>token</code> (an OAuth2.0 token), which is required.

Details

Deletes a conversation

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[get_conversations](#)
[create_message](#)
[delete_conversation](#)

delete_image	<i>Delete image</i>
--------------	---------------------

Description

Delete an image

Usage

```
delete_image(id, ...)
```

Arguments

id	An image ID or object of class “imgur_image”. If no token is supplied, id must be a deletehash from the original upload_image response.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Deletes an image.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[upload_image](#)

[update_image](#)

Examples

```
## Not run:  
# using a deletehash, anonymously  
u <- upload_image('file.png')  
delete_image(u$deletehash)  
  
# using an OAuth token  
tkn <- imgur_login()  
u <- upload_image('file.png', token = tkn)  
delete_image(u, token = tkn)  
  
## End(Not run)
```

favorite_album	<i>Favorite album</i>
----------------	-----------------------

Description

Favorite an album

Usage

```
favorite_album(album, ...)
```

Arguments

album	An album ID or object of class “imgur_album”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Favorites an album.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:  
tkn <- imgur_login()  
favorite_album("cVsXX", token = tkn)  
  
## End(Not run)
```

favorite_image	<i>Favorite image</i>
----------------	-----------------------

Description

Favorite an image

Usage

```
favorite_image(id, ...)
```

Arguments

id	An image ID or object of class “imgur_image”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Favorites an image.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:  
tkn <- imgur_login()  
favorite_image("DgqMUeq", token = tkn)  
  
## End(Not run)
```

`get_album`*Get album*

Description

Get album details and metadata, or images.

Usage

```
get_album(album, ...)
```

```
get_album_images(album, ...)
```

Arguments

<code>album</code>	An album ID or object of class “imgur_album”.
<code>...</code>	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Get album details and metadata, including images contained in the album.

Value

An object of class “imgur_album”.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:  
get_album("cVsXX")  
  
get_album_images("cVsXX")  
  
## End(Not run)
```

get_comment	<i>Get a comment</i>
-------------	----------------------

Description

Get a comment (and, optionally, its replies).

Usage

```
get_comment(comment, replies = FALSE, ...)
```

Arguments

comment	A comment ID, perhaps returned by create_comment .
replies	A logical indicating whether to return replies to the comment, in addition to the comment itself.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Retrieves a comment and, optionally, any replies to that comment.

Value

An object of class “imgur_comment”

Author(s)

Thomas J. Leeper

See Also

[create_comment](#)

[delete_comment](#)

get_conversations *Get conversations*

Description

Get a specific conversation or all conversations

Usage

```
get_conversations(id = NULL, ...)
```

Arguments

id	A conversation ID. If NULL, all conversations are returned.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

Retrieves a named conversation, possibly returned by [get_conversations](#), or all conversations.

Value

An object of class “imgur_message”.

Author(s)

Thomas J. Leeper

See Also

[create_message](#)
[delete_conversation](#)

Examples

```
## Not run:  
tkn <- imgur_login()  
get_conversations(token = tkn)  
  
## End(Not run)
```

`get_gallery`*Get gallery*

Description

Get gallery details and metadata

Usage

```
get_gallery(section = 'hot', sort = 'viral', page = 0,  
            window = 'day', showViral = TRUE, ...)
```

Arguments

<code>section</code>	One of “hot” (the default), “top”, or “user”.
<code>sort</code>	One of “viral” (the default) or “time”.
<code>page</code>	A page number of results between 0 and 50.
<code>window</code>	If <code>section == 'top'</code> , one of “day” (the default), “week”, “month”, “year”, or “all”.
<code>showViral</code>	If <code>section == 'user'</code> , a logical indicating whether show viral images.
<code>...</code>	Other arguments passed to HTTP request functions, for example: <code>token</code> (an OAuth2.0 token) or <code>key</code> (an API key, used by default).

Details

Get gallery image details and metadata.

Value

An object of class “imgur_image”.

Author(s)

Thomas J. Leeper

See Also

[search_gallery](#)
[get_gallery_image](#)
[get_random_images](#)

Examples

```
## Not run:
get_gallery()

get_gallery('top', window = 'week')

## End(Not run)
```

get_gallery_album	<i>Get gallery album</i>
-------------------	--------------------------

Description

Get album details and metadata for an album in the gallery.

Usage

```
get_gallery_album(album, ...)
```

Arguments

album	An album ID or object of class “imgur_album” or “imgur_gallery_album”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Get album details and metadata, for an album in the gallery. This is basically the same as “get_album”.

Value

An object of class “imgur_gallery_album”.

Author(s)

Thomas J. Leeper

See Also

[get_album](#)
[get_gallery](#)
[search_gallery](#)

get_gallery_image *Get gallery image*

Description

Get gallery image details and metadata

Usage

```
get_gallery_image(id, ...)
```

Arguments

id	An image ID or object of class “imgur_image” or “imgur_gallery_image”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Get gallery image details and metadata. This is basically the same as [get_image](#).

Value

An object of class “imgur_image”.

Author(s)

Thomas J. Leeper

See Also

[get_gallery](#)
[search_gallery](#)
[get_image](#)

Examples

```
## Not run:  
s <- search_gallery(query = 'meme')  
get_gallery_image(s[[1]])  
  
## End(Not run)
```

`get_image`*Get image*

Description

Get image details and metadata

Usage

```
get_image(id, ...)
```

Arguments

<code>id</code>	An image ID or object of class “imgur_image”.
<code>...</code>	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Get image details and metadata.

Value

An object of class “imgur_image”.

Author(s)

Thomas J. Leeper

See Also

[plot.imgur_image](#)

Examples

```
## Not run:  
get_image("vSXfU46")  
  
## End(Not run)
```

get_notifications *Get notifications*

Description

Get a specific notification or all notifications

Usage

```
get_notifications(id = NULL, only_new = FALSE, ...)
```

Arguments

id	A conversation ID. If NULL, all notifications (or all new notifications, depending on only_new) are returned.
only_new	A logical indicating whether only new notifications should be returned. Default is FALSE.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

Retrieves a named notification, possibly returned by [get_notifications](#), or all (new) notifications.

Value

An object of class “imgur_notification”.

Author(s)

Thomas J. Leeper

See Also

[mark_notification](#)

Examples

```
## Not run:  
tkn <- imgur_login()  
get_notifications(only_new = TRUE, token = tkn)  
  
## End(Not run)
```

`get_random_images` *Get random images*

Description

Get random images from the public gallery

Usage

```
get_random_images(page = 0, ...)
```

Arguments

<code>page</code>	A page number of results between 0 and 50.
<code>...</code>	Other arguments passed to HTTP request functions, for example: <code>token</code> (an OAuth2.0 token) or <code>key</code> (an API key, used by default).

Details

Get random images from the public gallery.

Value

An object of class “`imgur_gallery_album`”.

Author(s)

Thomas J. Leeper

See Also

[get_gallery](#)
[search_gallery](#)
[get_gallery_image](#)

Examples

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

get_reddit_gallery *Get gallery*

Description

Get gallery details and metadata

Usage

```
get_reddit_gallery(subreddit, sort = 'time', page = 0, window = 'day', ...)
```

Arguments

subreddit	A character string containing the name of a sub-reddit.
sort	One of “time” (the default) or “top”.
page	A page number of results between 0 and 50.
window	If sort == 'top', one of “day” (the default), “week”, “month”, “year”, or “all”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Get gallery image details and metadata for a sub-reddit gallery.

Value

An object of class “imgur_image”.

Author(s)

Thomas J. Leeper

See Also

[search_gallery](#)
[get_gallery](#)
[get_random_images](#)

Examples

```
## Not run:  
get_reddit_gallery('dataisbeautiful')  
  
## End(Not run)
```

get_reddit_image	<i>Get reddit image</i>
------------------	-------------------------

Description

Get sub-reddit gallery image details and metadata

Usage

```
get_reddit_image(subreddit, id, ...)
```

Arguments

subreddit	A character string containing the name of a sub-reddit.
id	An image ID or object of class “imgur_image” or “imgur_gallery_image”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Get sub-reddit gallery image details and metadata. This is basically the same as [get_gallery_image](#) or [get_image](#).

Value

An object of class “imgur_gallery_image”.

Author(s)

Thomas J. Leeper

See Also

[get_reddit_gallery](#)
[get_gallery_image](#)
[get_image](#)

Examples

```
## Not run:  
g <- get_reddit_gallery('dataisbeautiful')  
get_reddit_image('dataisbeautiful', g[[1]])  
get_image(g[[1]])  
  
## End(Not run)
```

`get_replies`*Get replies*

Description

Get replies

Usage

```
get_replies(only_new = FALSE, ...)
```

Arguments

<code>only_new</code>	A logical indicating whether only new notifications should be returned. Default is FALSE.
<code>...</code>	Other arguments passed to HTTP request functions, for example: <code>token</code> (an OAuth2.0 token), which is required.

Details

Retrieves replies.

Value

An object of class “imgur_notification”.

Author(s)

Thomas J. Leeper

See Also

[get_notifications](#)

Examples

```
## Not run:  
tkn <- imgur_login()  
get_replies(only_new = TRUE, token = tkn)  
  
## End(Not run)
```

http *Workhorse HTTP functions*

Description

Basic workhorse HTTP method functions for executing Imgur.com API calls

Usage

```
imgurGET(endpoint,  
         base_url = "https://api.imgur.com/3/",  
         key = "1babd0decbb90f2",  
         token = NULL,  
         ...)
```

Arguments

endpoint	A named API endpoint.
base_url	The base URL for the API (by default the v3 API URL).
key	An API key (by default, the <code>imguR</code> package API key). The API key for version of <code>imguR</code> < 1.0.0 was “4feb29d00face5bc1b9dae536e15c373”. Either key or token must be specified.
token	Optionally, an OAuth2.0 token (returned by <code>imgur_login</code>). Either key or token must be specified.
...	Other arguments passed to analogous HTTP method functions from <code>httr</code> .

Details

These are the basic workhorse functions for the package, which users should not need to access directly (except perhaps for debugging).

Value

Generally, a list. For `imgurDELETE`, an empty character string.

Author(s)

Thomas J. Leeper

See Also

[Authentication](#)

`imgur`*Initiate an Imgur-enabled Graphics Device*

Description

Open a specified graphics device function and configure it to upload to Imgur

Usage

```
imgur(device = png, file = NULL, title = NULL, description = NULL,  
       album = NULL, name = NULL, key = NULL, token = NULL, ...)
```

Arguments

<code>device</code>	A graphics device function. Default is <code>png</code> .
<code>file</code>	Name of the file to be uploaded to <code>imgur.com</code>
<code>title</code>	Optionally, an image title.
<code>description</code>	Optionally, an image description.
<code>album</code>	Optionally, an Imgur album ID.
<code>name</code>	Optionally, a file name, otherwise the <code>file</code> filename is used.
<code>key</code>	An API key. If <code>NULL</code> , the default <code>imguR</code> package API key is used.
<code>token</code>	Optionally, an OAuth2.0 token (returned by imgur_login . If <code>NULL</code> , the API key used instead.
<code>...</code>	Other arguments passed to the specified device function.

Details

This package is a wrapper for the `pdf` function. A temporary file is created by `pdf`, acting as normal graphical device. After plotting, when `dev.off` is called, the file is closed, uploaded to `imguR` and a URL of the files location is returned. In the case of multipaged pdfs being uploaded, `imguR` automatically concatenates them into a single image.

Value

An object of class “`imgur_device`” to be passed to [imgur_off](#).

Author(s)

Thomas J. Leeper, based on code by Aaron Statham.

See Also

[imgur_off upload_image](#)

Examples

```
## Not run:
i <- imgur('png')
hist(rnorm(20))
imgur_off(i)

## End(Not run)
```

imgur_login

Login to Imgur

Description

Complete an interactive login to Imgur to generate an OAuth2.0 token

Usage

```
imgur_login(client_id = "1babd0decbb90f2",
            secret = "06eed15f8e3662c20d7ff95a62853266400aae5a",
            cache = TRUE)
```

Arguments

client_id	A graphics device function. Default is png.
secret	Name of the file to be uploaded to imgur.com
cache	A logical indicating whether to cache the OAuth2.0 token for use later on. If TRUE, OAuth2.0 token is automatically cached in a file called “.htr-oauth” in the working directory.

Details

Most operations in the package can be performed anonymously using the default package API key. In order to perform most account-specific operations it is necessary to use OAuth authentication, which can only be performed interactively via a web browser. `imgur_login` returns an OAuth2.0 reference class object that can be passed as the `token` argument to all other functions in the package.

The OAuth token is moderately long lived; the response object contains a timestamp indicating its expiration time. The token can be subsequently refreshed using the `refresh()` method.

If `cache = TRUE`, the OAuth2.0 token is automatically cached in a file called “.htr-oauth” in the working directory. This token will then be loaded automatically the next time `imgur_login` is called (even in a new R session). To override an existing cache, set `cache = FALSE`.

Value

An OAuth2.0 reference class object, returned by `oauth2.0_token`.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
# login interactively
tkn <- imgur_login()
# use token in the `imgur` device
i <- imgur('png', token = tkn)
hist(rnorm(20))
imgur_off(i)

# reload previous token
rm(tkn)
# OAuth token is automatically stored by
# `imgur_login` if `cache = TRUE` (the default)
# It is reloaded by calling `imgur_login`
tkn <- imgur_login()
token$refresh() # refresh token

## End(Not run)
```

imgur_off

Close an Imgur-linked plotting device and upload image

Description

This function closes the specified graphics device uploads the plot(s) to Imgur.

Usage

```
imgur_off(obj, ...)
```

Arguments

obj	An object of class “imgur_device”.
...	Additional arguments passed to upload_image .

Details

This function takes the output object from [imgur](#) as its first argument, wraps `dev.off` to close the graphics device opened by [imgur](#), and uploads the device’s image to Imgur via [upload_image](#). If `dev.off` has already closed the device, that step is skipped to prevent errors.

Value

The response from [upload_image](#).

Author(s)

Thomas J. Leeper, based on code by Aaron Statham.

See Also

[imgur](#)
[upload_image](#)

Examples

```
## Not run:  
i <- imgur('png')  
hist(rnorm(20))  
imgur_off(i)  
  
## End(Not run)
```

mark_notification	<i>Mark notification read</i>
-------------------	-------------------------------

Description

Mark a notification as read

Usage

```
mark_notification(id, ...)
```

Arguments

id	A notification ID.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

Marks a named notification as read so that it does not show in future [get_notifications](#) results.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[get_notifications](#)

memes

Mememes

Description

View memes and meme templates

Usage

```
default_memes(...)
```

```
get_memes_gallery(sort = 'viral', page = 0, window = NULL, ...)
```

```
get_meme(id, ...)
```

Arguments

sort	One of “viral” (the default), “time”, or “top”.
page	A page number of results between 0 and 50.
window	One of “day”, “week”, “month”, “year”, or “all”.
id	An image ID, perhaps returned by <code>get_memes_gallery</code> .
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

`default_memes` returns a list of default memes available on Imgur. `get_memes_gallery` returns a list of trending memes. `get_meme` returns a specific meme image.

Value

A list of objects of class “imgur_image” or “imgur_gallery_image”.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:  
default_memes()  
get_memes_gallery('viral', page = 1)  
  
## End(Not run)
```

plot

Plot Imgur image

Description

Plot an “imgur_image” object

Usage

```
## S3 method for class 'imgur_image'  
plot(x, ...)  
## S3 method for class 'imgur_gallery_image'  
plot(x, ...)
```

Arguments

x An object of class “imgur_image” or “imgur_gallery_image”.
... Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Plot an object of class “imgur_image” or “imgur_gallery_image” in an R graphics window.

Value

Invisibly, an object of class “imgur_image” or “imgur_gallery_image”.

Author(s)

Thomas J. Leeper

See Also

[get_image](#)

Examples

```
## Not run:  
plot(get_image("vSxfU46"))  
  
## End(Not run)
```

`rate_limit`*API rate limits*

Description

Check user- and package-level rate limits

Usage

```
rate_limit(...)
```

Arguments

... Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

This function returns a list detailing user- and package-level API rate limits. All calls to the API deduct one unit from rate limits, except for `upload_image`, which deducts 10. Rate limits are lower for anonymous requests than for authenticated requests. Limits exist at the user level and at the package level. The user-level rate limit are automatically reset periodically. The response object documents when that limit will be reset.

Rate limits are automatically checked during each request. Options can be set for low remaining usage warnings. By default (when the package is loaded) those options are: `options(imgur_user_rate_warning = 20)` and `options(imgur_client_rate_warning = 100)`.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:  
# rate limit for anonymous requests  
rate_limit()  
  
# rate limit for authenticated requests  
tkn <- imgur_login()  
rate_limit(token = tkn)  
  
## End(Not run)
```

remove_gallery_image *Remove gallery image*

Description

Remove images from the gallery

Usage

```
remove_gallery_image(id, ...)
```

Arguments

id	An image ID or an object of class “imgur_image” to add to the gallery.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

This function removes the specified image from the gallery.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[add_gallery_images](#)

report_comment *Report a comment*

Description

Report a comment as inappropriate.

Usage

```
report_comment(comment, ...)
```

Arguments

comment A comment ID, perhaps returned by [create_comment](#) or [get_comment](#).
... Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Reports a comment as inappropriate.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[get_comment](#)
[vote_comment](#)

report_gallery_image *Report a gallery image*

Description

Report a gallery image as inappropriate.

Usage

```
report_gallery_image(id, ...)
```

Arguments

id An image ID.
... Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Reports a gallery image as inappropriate.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

report_sender	<i>Report a user</i>
---------------	----------------------

Description

Report a user for inappropriate behavior

Usage

```
report_sender(username, ...)
```

Arguments

username	A character string containing an Imgur username.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

Report an Imgur user for inappropriate behavior.

Value

An object of class "imgur_basic".

Author(s)

Thomas J. Leeper

Examples

```
## Not run:  
tkn <- imgur_login()  
block_sender("someuser", token = tkn)  
  
## End(Not run)
```

search_gallery	<i>Search gallery</i>
----------------	-----------------------

Description

Search Imgur public gallery

Usage

```
search_gallery(query, sort = 'time', page = 1, ...)
```

Arguments

query	A character string containing a search term.
sort	One of “time” or “top”.
page	A page number.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Search the gallery and return gallery images and associated metadata.

Value

An object of class “imgur_gallery_album”.

Author(s)

Thomas J. Leeper

See Also

[get_gallery](#)
[get_gallery_image](#)
[get_random_images](#)

Examples

```
## Not run:  
search_gallery(query = 'meme')  
  
## End(Not run)
```

update_album	<i>Update album</i>
--------------	---------------------

Description

Update album metadata

Usage

```
update_album(album, id = NULL,  
             title = NULL, description = NULL,  
             privacy = NULL, layout = NULL, cover_id = NULL, ...)
```

Arguments

album	An album ID or object of class “imgur_album”. If no token is supplied, album must be a deletehash from the original create_album response.
id	A vector of one or more image IDs to add to the album or a list of objects of class “imgur_image”.
title	Optionally, an album title.
description	Optionally, an album description.
privacy	The privacy for the album. One of “public”, “hidden”, or “secret”.
layout	The layout for the album. One of “blog”, “grid”, “horizontal”, or “vertical”.)
cover_id	An image ID or an object of class “imgur_image”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Updates the images or metadata of an album. All options are optional. To anonymously update an album, album must be the deletehash value from [create_album](#).

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[create_album](#)
[add_album_images](#)
[remove_album_images](#)
[set_album_images](#)

Examples

```
## Not run:
# update using a deletehash, anonymously
i <- imgur()
hist(rnorm(20))
img <- imgur_off(i)
a1 <-
  create_album(id = img,
               title = 'My first Imgur album',
               description = 'A simple album',
               privacy = 'hidden',
               layout = 'grid',
               cover_id = img)
update_album(a1$deletehash, title = 'My second Imgur album')

# update using an OAuth token
tkn <- imgur_login()
a2 <-
  create_album(id = img,
               title = 'My first Imgur album',
               description = 'A simple album',
               privacy = 'hidden',
               layout = 'grid',
               cover_id = img,
               token = tkn)
update_album(a2, title = 'My second Imgur album')

## End(Not run)
```

update_image

Update image

Description

Update image metadata

Usage

```
update_image(id, title = NULL, description = NULL, ...)
```

Arguments

id	An image ID or object of class “imgur_image”. If no token is supplied, id must be a deletehash from the original upload_image response.
title	Optionally, an image title.
description	Optionally, an image description.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

Update the title or description of an already-uploaded image.

Value

An object of class “imgur_basic”.

Author(s)

Thomas J. Leeper

See Also

[upload_image](#)

[delete_image](#)

Examples

```
## Not run:  
# using a deletehash, anonymously  
u <- upload_image('file.png')  
update_image(u$deletehash, title = 'New Title')  
  
# using an OAuth token  
tkn <- imgur_login()  
u <- upload_image('file.png', token = tkn)  
update_image(u, title = 'New Title', token = tkn)  
  
## End(Not run)
```

upload_image

Upload an image file to Imgur

Description

Uploads a named image file to Imgur, optionally to a specified album.

Usage

```
upload_image(file, title = NULL, description = NULL, album = NULL,  
             name = NULL, type = 'file', ...)  
imgur_upload(file, title = NULL, description = NULL, album = NULL,  
             name = NULL, type = 'file', ...)
```

Arguments

file	Name of the file to be uploaded to imgur.com
title	Optionally, an image title.
description	Optionally, an image description.
album	Optionally, an Imgur album ID.
name	Optionally, a file name, otherwise the file filename is used.
type	Should be “file”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token) or key (an API key, used by default).

Details

upload_image allows users to upload a named file to Imgur. imgur_upload is an alias that can serve as a drop-in replacement for the imgur_upload function in the knitr package.

Value

A list parsed from the imguR JSON response after uploading the plot (see the imgur API for details).

Author(s)

Thomas J. Leeper, adapted from code by Aaron Statham (imguRupload from imguR v0.1) and Yihue Xie (knitr::imgur_upload).

References

<https://api.imgur.com/endpoints/image#image-upload>

See Also

[imguR dev.off](#)

Examples

```
## Not run:
pdf(tmpfile <- tempfile())
hist(rnorm(20))
dev.off()
upload_image(tmpfile)

## End(Not run)
```

vote_comment	<i>Vote on a comment</i>
--------------	--------------------------

Description

Vote a comment up or down.

Usage

```
vote_comment(comment, vote = 'up', ...)
```

Arguments

comment	A comment ID, perhaps returned by create_comment .
vote	A character string indicating the direction of the vote, one of “up” or “down”.
...	Other arguments passed to HTTP request functions, for example: token (an OAuth2.0 token), which is required.

Details

Votes a comment up or down.

Value

An object of class “imgur_basic”

Author(s)

Thomas J. Leeper

See Also

[get_comment](#)
[report_comment](#)

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