Package 'hypothesis'

July 21, 2023

Type Package

Title Wrapper for 'hypothes.is'

Version 1.1.0

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Description Add, share and manage annotations for 'Shiny' applications and R Markdown documents via 'hypothes.is'.

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Encoding UTF-8

Imports rlang, magrittr, glue, htmlwidgets, jsonlite, htmltools, purrr
(>= 1.0.0), httr

Suggests shiny, testthat (>= 3.0.0), withr, mockery, knitr, rmarkdown,
pkgdown

RoxygenNote 7.2.3

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

Date/Publication 2023-07-20 22:20:02 UTC

R topics documented:

Index   **13**

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hypothesis-package   *R wrapper for hypothes.is*

Description

R wrapper for hypothes.is

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annotation   *Operate with annotation*

Description

Operate with annotation

Usage

```
annotation(
  annotation_id,
  action = c("fetch", "update", "delete", "flag", "hide", "show", "create"),
  ...,
  api_path = get_hs_host(),
  api_key = NULL
)
```

Arguments

annotation_id	Annotation ID
action	Action to process, Default: 'fetch' Hide and show action needs moderator permissions.
...	Parameters for update annotation action, more information in hypothesis documentation
api_path	The hypothesis API path, can be specify by 'hypothesis.api.api_path' option or 'HYPOTHESIS_API_PATH' environment variable. Default: 'https://hypothes.is/api/'.
api_key	User api key, generated on the platform.

Source

<https://h.readthedocs.io/en/latest/api-reference/v1/>

Examples

```
## Not run:
annotation("annotation_id")
annotation("annotation_id", action = "update", text = "updated text")
annotation("annotation_id", action = "flag")
annotation("annotation_id", action = "hide")
annotation("annotation_id", action = "show")
annotation(
  action = "create",
  uri = "https://r-world-devs.github.io/hypothesis/articles/hypothesis-api.html",
  text = "test"
)

## End(Not run)
```

---

api_params	*Request parameters*

Description

Request parameters

Arguments

api_path	The hypothesis API path, can be specify by 'hypothesis.api.api_path' option or 'HYPOTHESIS_API_PATH' environment variable. Default: 'https://hypothes.is/api/'.
endpoint	API request endpoint
type	API request type
api_key	User api key, generated on the platform.

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as_json	*Convert character string to JSON*

Description

Allows to include raw JS code in JSON object.

Usage

```
as_json(x)
```

Arguments

x   Character storing JS code or object.

Details

Along with json_verbatim = TRUE argument of [toJSON](#) makes passing the code to JSON object possible.

Value

A character of class 'json'. The output can be used to store bare JS element withing JSON object.

Examples

```
# Function stored as text
jsonlite::toJSON(
  list(fun = "function(x) {console.log(x);}"),
  auto_unbox = TRUE, json_verbatim = TRUE
)
# Function stored as raw JS object
jsonlite::toJSON(
  list(fun = as_json("function(x) {console.log(x);}")),
  auto_unbox = TRUE, json_verbatim = TRUE
)
```

---

get_groups   *Get a list of groups*

Description

Get a list of groups

Usage

```
get_groups(
  authority = NULL,
  document_uri = NULL,
  expand = NULL,
  api_path = get_hs_host(),
  api_key = NULL
)
```

Arguments

authority   Filter returned groups to this authority. Default: main instance authority.

document_uri   Document URI - only retrieve public (i.e. non-private) groups that apply to a given document URI.

expand	One or more relations to expand for a group resource Optional: 'organization, scopes'
api_path	The hypothesis API path, can be specify by 'hypothesis.api.api_path' option or 'HYPOTHESIS_API_PATH' environment variable. Default: 'https://hypothes.is/api/'.
api_key	User api key, generated on the platform.

Source

https://h.readthedocs.io/en/latest/api-reference/v1/

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get_profile	*Fetch profile information for the currently-authenticated user.*

Description

Fetch profile information for the currently-authenticated user.

Usage

```
get_profile(api_path = get_hs_host(), api_key = NULL)
```

Arguments

api_path	The hypothesis API path, can be specify by 'hypothesis.api.api_path' option or 'HYPOTHESIS_API_PATH' environment variable. Default: 'https://hypothes.is/api/'.
api_key	User api key, generated on the platform.

---

get_profile_groups	*Fetch the groups for which the currently-authenticated user is a member.*

Description

Fetch the groups for which the currently-authenticated user is a member.

Usage

```
get_profile_groups(api_path = get_hs_host(), api_key = NULL)
```

Arguments

api_path	The hypothesis API path, can be specify by 'hypothesis.api.api_path' option or 'HYPOTHESIS_API_PATH' environment variable. Default: 'https://hypothes.is/api/'.
api_key	User api key, generated on the platform.

---

group   *Operate with group*

Description

Operate with group

Usage

```
group(
  group_id,
  action = c("fetch", "update", "fetch_members"),
  ...,
  api_path = get_hs_host(),
  api_key = NULL
)
```

Arguments

group_id	Group ID
action	Action to process, Default: 'fetch'
...	Parameters for update group information, more details can be found in hypothesis documentation.
api_path	The hypothesis API path, can be specify by 'hypothesis.api.api_path' option or 'HYPOTHESIS_API_PATH' environment variable. Default: 'https://hypothes.is/api/'.
api_key	User api key, generated on the platform.

Source

<https://h.readthedocs.io/en/latest/api-reference/v1/>

Examples

```
## Not run:
group("group_id")
group("group_id", action = "update", name = "updated text", description = "desc")
group("group_id", action = "fetch_members")

## End(Not run)
```

hs_api_handler *Handle hypothesis request*

Description

Handle hypothesis request

Usage

```
hs_api_handler(
  ...,
  api_path = get_hs_host(),
  endpoint = NULL,
  type = NULL,
  api_key = NULL
)
```

Arguments

`...`	Parameter for request function
`api_path`	The hypothesis API path, can be specify by 'hypothesis.api.api_path' option or 'HYPOTHESIS_API_PATH' environment variable. Default: 'https://hypothes.is/api/'.
`endpoint`	API request endpoint
`type`	API request type
`api_key`	User api key, generated on the platform.

hypothesisBranding *Branding configuration*

Description

Configuration for custom annotations branding. See more at: branding.

Usage

```
hypothesisBranding(
  accentColor,
  appBackgroundColor,
  ctaBackgroundColor,
  ctaTextColor,
  selectionFontFamily,
  annotationFontFamily
)
```

Arguments

accentColor   Css-valid color value defining sidebar accent.

appBackgroundColor

                Css-valid color value defining sidebar background.

ctaBackgroundColor

                Css-valid color value defining main call-to-action button background.

ctaTextColor   Css-valid color value defining font color used inside of the call-to-action buttons.

selectionFontFamily

                Css-valid color value defining font family used for annotation selection popup.

annotationFontFamily

                Css-valid color value defining font family used for annotation popup.

Value

Named list object storing provided arguments.

---

hypothesisOnOff   *Turn On/Off Annotations Feature*

Description

Generates button that allows to turn on and turn off annotations tool.

Usage

```
hypothesisOnOff(
  initShow = TRUE,
  labelShow = "Enable Annotations",
  labelHide = "Disable Annotations"
)
```

Arguments

initShow   Define initial state of annotations. When FALSE, annotations are turned off.

labelShow, labelHide

                Label to be shown in the button when annotations are hidden and shown respectively.

Value

A 'button' shiny.tag object, responsible for enabling/disabling of the package functionality.

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hypothesisServices   *Hypothesis Service Configuration*

Description

A list of alternative annotation services which the client should connect. For more information visit:
services.

Usage

```
hypothesisServices(
  apiUrl,
  authority,
  grantToken,
  allowLeavingGroups,
  enableShareLinks,
  groups,
  icon,
  onLoginRequest,
  onLogoutRequest,
  onSignupRequest,
  onProfileRequest,
  onHelpRequest
)
```

Arguments

apiUrl, authority, grantToken, allowLeavingGroups, enableShareLinks, groups, icon, onLoginRequest, onLo
              Arguments defining external hypothesis services.

Value

Named list object storing provided arguments.

---

search_annotations   *Search for annotations*

Description

Search for annotations

Usage

```
search_annotations(
  limit = 20L,
  sort = c("updated", "created", "group", "id", "user"),
  search_after = NULL,
  offset = 0,
  order = c("desc", "asc"),
  uri = NULL,
  uri.parts = NULL,
  wildcard_uri = NULL,
  user = NULL,
  group = NULL,
  tags = NULL,
  any = NULL,
  quote = NULL,
  references = NULL,
  text = NULL,
  api_path = get_hs_host(),
  api_key = NULL
)
```

Arguments

limit	The maximum number of annotations to return.
sort	Available values : updated, created, group, id, user, Default: 'updated'
search_after	Define a start point for a subset (page) of annotation search results. Example: 2023-01-01T10:00:00.000000+00:00
offset	The number of initial annotations to skip in the result set.
order	The order in which the results should be sorted. Default: 'desc'
uri	Limit the results to annotations matching the specific URI or equivalent URIs. URI can be a URL (a web page address) or a URN representing another kind of resource such as DOI (Digital Object Identifier) or a PDF fingerprint.
uri.parts	Limit the results to annotations containing the given keyword (tokenized chunk) in the URI.
wildcard_uri	Limit the results to annotations whose URIs match the wildcard pattern.
user	Limit the results to annotations made by the specified user. Example: 'user=acct:username@hypothes.is'
group	Limit the results to annotations made in the specified group (by group ID).
tags	Limit the results to annotations tagged with the specified value. Example: tags=artificial,intelligence
any	Limit the results to annotations who contain the indicated keyword in any of the following field: 'quote, tags, text, url'
quote	Limit the results to annotations that contain this text inside the text that was annotated.
references	Returns annotations that are replies to this parent annotation ID.
text	Limit the results to annotations that contain this text in their textual body.

api_path	The hypothesis API path, can be specify by 'hypothesis.api.api_path' option or 'HYPOTHESIS_API_PATH' environment variable. Default: 'https://hypothes.is/api/'.
api_key	User api key, generated on the platform.

Source

https://h.readthedocs.io/en/latest/api-reference/v1/

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useHypothesis	*Use hypothesis annotations*

Description

Function used to initialize hypothesis annotations in Shiny app or R Markdown document.

Usage

```
useHypothesis(
  openSidebar = TRUE,
  showHighlights = c("whenSidebarOpen", "always", "never"),
  theme = c("classic", "clean"),
  branding = hypothesisBranding(),
  sidebarAppUrl = NULL,
  onLayoutChange = as_json("tryHideHypothesis"),
  services = hypothesisServices(),
  enableExperimentalNewNoteButton = NULL,
  usernameUrl = NULL,
  externalContainerSelector = NULL,
  focus = NULL,
  requestConfigFromFrame = NULL,
  assetRoot = NULL,
  notebookAppUrl = NULL,
  enableShareLinks = FALSE,
  ...
)
```

Arguments

openSidebar	Set to TRUE if annotations sidebar should be opened in initial state.
showHighlights	Configure when annotated text should be highlighted. "whenSidebarOpen" highlights content only when annotations sidebar is open (default). The remaining options are "always" and "never".
theme	Annotations sidebar theme. Available options "classic" (default) and "clean".
branding	Configure annotations tool branding (e.g. sidebar background). See [hypothesis-Branding](#) for possible options.

sidebarAppUrl, onLayoutChange, services, enableExperimentalNewNoteButton, usernameUrl, externalContainer

Extra arguments used for external services configuration and assets configuration. Visit config for more details.

...   Extra arguments passed to client configuration.

Value

A list of class 'shiny.tag.list' storing the package JS/CSS dependencies.

Index