Package ‘hypothesis’

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R topics documented:

hypothesis-package ........................................ 2
annotation .................................................. 2
api_params .................................................. 3
as_json ...................................................... 3
get_groups .................................................. 4
get_profile .................................................. 5
get_profile_groups ......................................... 5
hypothesis-package

R wrapper for hypothes.is

Description

R wrapper for hypothes.is

annotation

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

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>annotation_id</td>
<td>Annotation ID</td>
</tr>
<tr>
<td>action</td>
<td>Action to process, Default: ‘fetch’ Hide and show action needs moderator permissions.</td>
</tr>
<tr>
<td>...</td>
<td>Parameters for update annotation action, more information in hypothesis documentation</td>
</tr>
<tr>
<td>api_path</td>
<td>The hypothesis API path, can be specify by ‘hypothesis.api.api_path’ option or ‘HYPOTHESIS_API_PATH’ environment variable. Default: ‘<a href="https://hypothes.is/api/%E2%80%99">https://hypothes.is/api/’</a>.</td>
</tr>
<tr>
<td>api_key</td>
<td>User api key, generated on the platform.</td>
</tr>
</tbody>
</table>
### api_params

**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.

### as_json

**Description**

Allows to include raw JS code in JSON object.

**Usage**

`as_json(x)`

---

**Source**


---

**Examples**

```r
## 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)
```
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 within 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.
get_profile

expands
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

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**

```r
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**


**Examples**

```r
## Not run:
group("group_id")

group("group_id", action = "update", name = "updated text", description = "desc")

## End(Not run)
```
**hs_api_handler**

*Handle hypothesis request*

**Description**

Handle hypothesis request

**Usage**

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

**Arguments**

- **api_path**: Parameter for request function
- **endpoint**: The hypothesis API path, can be specify by ‘hypothesis.api.api_path’ option or ‘HYPOTHESIS_API_PATH’ environment variable. Default: ‘https://hypothes.is/api/’.
- **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**

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

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

```r
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.
**hypothesisServices**

---

**Hypothesis Service Configuration**

### Description

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

### Usage

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

### Arguments

- `apiUrl`, `authority`, `grantToken`, `allowLeavingGroups`, `enableShareLinks`, `groups`, `icon`, `onLoginRequest`, `onLogoutRequest`, `onSignupRequest`, `onProfileRequest`, `onHelpRequest`

Arguments defining external hypothesis services.

### Value

Named list object storing provided arguments.

---

**search_annotations**

---

**Search for annotations**

### Description

Search for annotations
Usage

```r
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.
**useHypothesis**

- **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**


---

**useHypothesis**  
*Use hypothesis annotations*

**Description**

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

**Usage**

```r
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.
useHypothesis

sidebarAppUrl, onLayoutChange, services, enableExperimentalNewNoteButton, usernameUrl, externalContainerSelector

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

annotation, 2
api_params, 3
as_json, 3

get_groups, 4
get_profile, 5
get_profile_groups, 5
group, 6

hs_api_handler, 7
hypothesis-package, 2
hypothesisBranding, 7, 11
hypothesisOnOff, 8
hypothesisServices, 9

search_annotations, 9
toJSON, 4

useHypothesis, 11