

Package ‘hlidacr’

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Type Package

Title Access Data from the 'Hlídač Státu' API

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Description

Provides access to datasets published by 'Hlídač státu' <<https://www.hlidacstatu.cz/>>, a Czech watchdog, via their API.

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URL <https://github.com/skvrnami/hlidacr>

BugReports <https://github.com/skvrnami/hlidacr/issues>

Encoding UTF-8

Suggests testthat, covr, knitr, rmarkdown, vcr

RoxygenNote 7.1.1

Imports httr, jsonlite, glue, purrr, stringr, curl, usethis, urltools

VignetteBuilder knitr

NeedsCompilation no

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| | |
|------------------|----------------------------------|
| check_connection | <i>Check internet connection</i> |
|------------------|----------------------------------|

Description

Check internet connection

Usage

check_connection()

Value

No return value, called for side effects

| | |
|-------------|------------------------|
| check_token | <i>Check API token</i> |
|-------------|------------------------|

Description

Check API token

Usage

check_token(token)

Arguments

token API token to Hlidac statu

Value

No return value, called for side effects

check_types *Check if all social media account types are valid*

Description

Check if all social media account types are valid

Usage

check_types(types)

Arguments

types Vector with types of social media accounts

Value

No return value, called for side effects

create_type *Create query string for osoby/social API endpoint*

Description

Create query string for osoby/social API endpoint

Usage

create_type(types)

Arguments

types Vector with types of social media accounts

Value

String for querying API

get_company

Get company details

Description

Get company details

Usage

```
get_company(company_name, token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|--------------|---------------------|
| company_name | Name of the company |
| token | Access token |

Value

list with 3 elements: - ico: ID number of the company - jmeno: Name of the company - datoveSchranky: Data post box - electronic repository for communication between public institutions and private companies/people

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Examples

```
## Not run:  
get_company("Agrofert")  
  
## End(Not run)
```

get_contract

Get contract details

Description

Get contract details

Usage

```
get_contract(id, token = NULL)
```

Arguments

| | |
|-------|---------------------|
| id | ID of contract |
| token | Authorization token |

Value

list with data

See Also

<https://www.hlidacstatu.cz/swagger/index.html>
<https://www.hlidacstatu.cz/api/v1/doc>
<https://smlouvy.gov.cz/>

Examples

```
## Not run:  
get_contract(id = "1086905")  
  
## End(Not run)
```

| | |
|--------------------------|--------------------------|
| <i>get_contract_text</i> | <i>Get contract text</i> |
|--------------------------|--------------------------|

Description

Get contract text

Usage

```
get_contract_text(id, token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|-------|---------------------|
| id | ID of contract |
| token | Authorization token |

Value

Character vector containing text of the contract

See Also

<https://www.hlidacstatu.cz/swagger/index.html>
<https://www.hlidacstatu.cz/api/v1/doc>
<https://smlouvy.gov.cz/>

Examples

```
## Not run:  
get_contract_text(id = "1086905")  
  
## End(Not run)
```

| | |
|--------------|-----------------------------|
| get_datasets | <i>Get list of datasets</i> |
|--------------|-----------------------------|

Description

Get list of datasets available via 'Hlídač státu' API

Usage

```
get_datasets(token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

token Authorization token

Value

Response from the server containing a list of all datasets available. The list contains 3 elements: - total: Total number of datasets available (integer) - page: Page of the result (integer) - results: data concerning the datasets (data.frame)

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Datasets: [get_dataset_data\(\)](#), [get_dataset_metadata\(\)](#), [get_dataset_record_detail\(\)](#)

Examples

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

| | |
|------------------|----------------------------------|
| get_dataset_data | <i>Get data from the dataset</i> |
|------------------|----------------------------------|

Description

Get data from the dataset

Usage

```
get_dataset_data(  
    dataset_id,  
    token = Sys.getenv("HLIDAC_TOKEN"),  
    query = NULL,  
    page = 1,  
    sort = NULL,  
    desc = NULL  
)
```

Arguments

| | |
|------------|-------------------------------------------------------------------------------------------------|
| dataset_id | ID of dataset |
| token | Authorization token |
| query | Search query |
| page | Number of page (Please note that if the page parameter exceeds 200, the function returns error) |
| sort | Sort by column |
| desc | Descending or ascending sorting |

Value

list containing 3 elements: - total: Total number of datasets available (integer) - page: Page of the result (integer), equal to the 'page' argument of the function - results: Data.frame with data, columns vary depending on the dataset

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Datasets: [get_dataset_metadata\(\)](#), [get_dataset_record_detail\(\)](#), [get_datasets\(\)](#)

Examples

```
## Not run:  
get_dataset_data("ministri")  
get_dataset_data("ministri", query = "Zeman", page = 1)  
  
## End(Not run)
```

get_dataset_metadata *Get dataset's metadata*

Description

Get metadata related to specified dataset.

Usage

```
get_dataset_metadata(dataset_id, token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|------------|---------------------|
| dataset_id | ID of dataset |
| token | Authorization token |

Value

a list containing metadata related to the specified dataset

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Datasets: [get_dataset_data\(\)](#), [get_dataset_record_detail\(\)](#), [get_datasets\(\)](#)

Examples

```
## Not run:  
get_dataset_metadata("ministri")  
  
## End(Not run)
```

get_dataset_record_detail
 Get record detail

Description

Get record detail

Usage

```
get_dataset_record_detail(  
  dataset_id,  
  item_id,  
  token = Sys.getenv("HLIDAC_TOKEN")  
)
```

Arguments

| | |
|------------|---------------------|
| dataset_id | ID of dataset |
| item_id | ID of record |
| token | Authorization token |

Value

list of vectors containing data related to the item

See Also

[get_dataset_data https://www.hlidacstatu.cz/swagger/index.html](https://www.hlidacstatu.cz/swagger/index.html)
<https://www.hlidacstatu.cz/api/v1/doc>
Other Datasets: [get_dataset_data\(\)](#), [get_dataset_metadata\(\)](#), [get_datasets\(\)](#)

Examples

```
## Not run:  
get_dataset_record_detail("ministri", item_id = 1)  
  
## End(Not run)
```

| | |
|------------|---------------------------|
| get_person | <i>Get person details</i> |
|------------|---------------------------|

Description

Get person details

Usage

```
get_person(person_id, token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|-----------|--------------|
| person_id | Person's ID |
| token | Access token |

Value

list with the following elements: - titulPred: academic titles written before person's name - jmeno: given name - prijmeni: surname - titulPo: academic titles written after person's name (if applicable) - narozeni: date of birth - nameId: person's id - profile: URL of profile at hlidacstatu.cz - sponzoring: data.frame with data on sponsorship of political parties by the person - udalosti: events related to the person such as party membership and running in election, serving in political bodies and relations to private companies (shareholder, serving on a board) - socialniSite: data.frame with data on social media accounts

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Persons: [get_person_social\(\)](#), [search_person_by_parameters\(\)](#), [search_person\(\)](#)

Examples

```
## Not run:
get_person("andrej-babis")

## End(Not run)
```

| | |
|-------------------|-----------------------------------------|
| get_person_social | <i>Get person social media accounts</i> |
|-------------------|-----------------------------------------|

Description

Get person social media accounts

Usage

```
get_person_social(types, token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| types | Types of social media accounts, only the following types are allowed: 'Twitter', 'Facebook_page', 'Facebook_profile', 'Instagram', 'WWW', 'Youtube' |
| token | Access token |

Value

data.frame with data on persons' social accounts with the following columns: - titulPred: academic titles written before person's name - jmeno: given name - prijmeni: surname - titulPo: academic titles written after person's name - nameId: person's ID - profile: URL of profile at hlidacstatu.cz - socialniSite: data.frame with data on social accounts (Type of social media, Id of the social media account, URL)

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Persons: [get_person\(\)](#), [search_person_by_parameters\(\)](#), [search_person\(\)](#)

Examples

```
## Not run:
get_person_social(types = c("Twitter", "Instagram"))

## End(Not run)
```

get_subsidy

Get subsidy

Description

Get subsidy

Usage

```
get_subsidy(id, token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|-------|---------------------|
| id | Subsidy ID |
| token | Authorization token |

Value

list with details of the subsidy

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Subsidies: [search_subsidies\(\)](#)

Examples

```
## Not run:
get_subsidy("deminimis-1000229862")

## End(Not run)
```

| | |
|--------------|---------------------|
| get_websites | <i>Get websites</i> |
|--------------|---------------------|

Description

Get websites

Usage

```
get_websites(token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|-------|---------------------|
| token | Authorization token |
|-------|---------------------|

Value

data.frame with data on websites run by the state with the following columns: - hostid: ID of website - host: host of website - url: URL of website - opendataUrl: URL to open data on website's availability - pageUrl: URL to website's profile at Hlidac statu - urad: the institution running the website - publicname: name of the website - popis: description of the website - hash

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Examples

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

| | |
|--------------------|---------------------------|
| get_website_detail | <i>Get website detail</i> |
|--------------------|---------------------------|

Description

Get website detail

Usage

```
get_website_detail(id, token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|-------|---------------------|
| id | Website id |
| token | Authorization token |

Value

list with 2 elements: - availability: data on availability of the website including response time and HTTP status code every minute - ssl: assessment of the website's SSL server configuration

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Examples

```
## Not run:  
get_website_detail(id = "10107")  
  
## End(Not run)
```

handle_error_response *Handle response other than 200*

Description

Handle response other than 200

Usage

```
handle_error_response(response)
```

Arguments

| | |
|----------|--------------------------|
| response | Response from the server |
|----------|--------------------------|

Value

No return value, called for side effects

| | |
|------------------|------------------------|
| search_contracts | <i>Search contract</i> |
|------------------|------------------------|

Description

Search contract

Usage

```
search_contracts(query, token = Sys.getenv("HLIDAC_TOKEN"), page = 1, sort = 0)
```

Arguments

| | |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| query | Full-text search query |
| token | Access token |
| page | Page of results (Please note that if the page parameter exceeds 200, the function returns error) |
| sort | Ordering of the results, the available options are the following: - 0: sort by relevance - 1: recently added contracts first - 2: recently added contracts last - 3: the cheapest contracts first - 4: the most expensive contracts first - 5: recently concluded contracts first - 6: recently concluded contracts last - 7: the most defective contracts first - 8: sort by purchaser - 9: sort by supplier |

Value

list containing 3 elements: - Total: Total number of datasets available (integer) - Page: Page of the result (integer) - Results: Data.frame with data concerning the datasets

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

<https://www.hlidacstatu.cz/napoveda>

<https://smlouvy.gov.cz/>

Examples

```
## Not run:  
search_contracts(query = "golf")  
  
## End(Not run)
```

| | |
|---------------|----------------------|
| search_person | <i>Search person</i> |
|---------------|----------------------|

Description

Search person

Usage

```
search_person(query, page = NULL, token = Sys.getenv("HLIDAC_TOKEN"))
```

Arguments

| | |
|-------|-----------------------------------------------|
| query | Search query for a person, required parameter |
| page | Page number |
| token | Access token |

Value

data.frame with found persons with the following columns: - jmeno: given name - prijmeni: sur-name - narozeni: date of birth - nameId: person's ID - profile: URL of profile at hlidacstatu.cz - titulPred: academic titles written before person's name - titulPo: academic titles written after person's name

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Persons: [get_person_social\(\)](#), [get_person\(\)](#), [search_person_by_parameters\(\)](#)

Examples

```
## Not run:  
search_person(query = "Kalousek")  
  
## End(Not run)
```

search_person_by_parameters

Search person by name and date of birth

Description

Search person by name and date of birth

Usage

```
search_person_by_parameters(  
    first_name = NULL,  
    last_name = NULL,  
    birth_date = NULL,  
    ignore_diacritics = TRUE,  
    token = Sys.getenv("HLIDAC_TOKEN")  
)
```

Arguments

| | |
|-------------------|------------------------------------------------------------------------------|
| first_name | Person's first name |
| last_name | Person's last name |
| birth_date | Person's date of birth (in YYYY-MM-DD format) |
| ignore_diacritics | Parameter indicating whether diacritics in names should be ignored (boolean) |
| token | Access token |

Value

data.frame with found persons with the following columns: - jmeno: given name - prijmeni: sur-name - narozeni: date of birth - nameId: person's ID - profile: URL of profile at hlidacstatu.cz - titulPred: academic titles written before person's name - titulPo: academic titles written after person's name

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Persons: [get_person_social\(\)](#), [get_person\(\)](#), [search_person\(\)](#)

Examples

```
## Not run:  
search_person_by_parameters(first_name = "Miroslav", last_name = "Kalousek",  
    birth_date = "1960-12-17")  
  
## End(Not run)
```

| | |
|------------------|-------------------------|
| search_subsidies | <i>Search subsidies</i> |
|------------------|-------------------------|

Description

Search subsidies

Usage

```
search_subsidies(  
  query,  
  page = 1,  
  sort = NULL,  
  token = Sys.getenv("HLIDAC_TOKEN")  
)
```

Arguments

| | |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| query | Search query |
| page | Page number (Please note that if the page parameter exceeds 200, the function returns error) |
| sort | Sorting of results, the available options are the following: - 0: order by relevance - 1: order by the date of signature, the most recent first - 2: order by the date of signature, the most recent last - 3: order by the size of the subsidy, the largest first - 4: order by the size of the subsidy, the largest last - 5: order by ICO in a descending order - 6: order by ICO in an ascending order |
| token | Authorization token |

Value

list containing 3 elements: - total: Total number of datasets available (integer) - page: Page of the result (integer), equal to the 'page' argument of the function - results: Data.frame with data, columns vary depending on the dataset

See Also

<https://www.hlidacstatu.cz/swagger/index.html>

<https://www.hlidacstatu.cz/api/v1/doc>

Other Subsidies: [get_subsidy\(\)](#)

Examples

```
## Not run:  
search_subsidies("golf")  
  
## End(Not run)
```

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