

# Package ‘hlidacr’

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**Type** Package

**Title** Access Data from the 'Hlídač Státu' API

**Version** 0.1.3

**Date** 2021-03-03

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

**License** MIT + file LICENSE

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

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

**Encoding** UTF-8

**LazyData** true

**Suggests** testthat, covr, knitr, rmarkdown, vcr

**RoxygenNote** 7.1.1

**Imports** htr, jsonlite, glue, purrr, stringr, curl, usethis, urltools

**VignetteBuilder** knitr

**NeedsCompilation** no

**Author** Michael Škvrňák [aut, cre] (<<https://orcid.org/0000-0003-4647-4095>>)

**Maintainer** Michael Škvrňák <[michael.skvrnak@protonmail.com](mailto:michael.skvrnak@protonmail.com)>

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

### Description

Check internet connection

### Usage

check\_connection()

### Value

No return value, called for side effects

---

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

### Description

Check API token

### Usage

check\_token(token)

### Arguments

token	API token to Hlidac statu
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**Value**

No return value, called for side effects

---

check_types	<i>Check if all social media account types are valid</i>
-------------	--

---

**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	<i>Create query string for osoby/social API endpoint</i>
-------------	--

---

**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**

<code>company_name</code>	Name of the company
<code>token</code>	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/api/v2/swagger/index>

<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/api/v2/swagger/index>  
<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>
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---

**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/api/v2/swagger/index>  
<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>
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---

## 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/api/v2/swagger/index>

<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
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/api/v2/swagger/index>

<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**

<code>dataset_id</code>	ID of dataset
<code>token</code>	Authorization token

### **Value**

a list containing metadata related to the specified dataset

### **See Also**

<https://www.hlidacstatu.cz/api/v2/swagger/index>

<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/api/v2/swagger/index) <https://www.hlidacstatu.cz/api/v2/swagger/index>

<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

*Get person details*

---

**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) - Narodeni: 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/api/v2/swagger/index>

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

Other Persons: [get\\_person\\_social\(\)](#), [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/api/v2/swagger/index>

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

Other Persons: [get\\_person\(\)](#), [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/api/v2/swagger/index>

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

Other Subsidies: [search\\_subsidies\(\)](#)

**Examples**

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

## End(Not run)
```

---

`get_websites`*Get websites*

---

**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/api/v2/swagger/index>

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

**Examples**

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

---

`get_website_detail`*Get website detail*

---

**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/api/v2/swagger/index>  
<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
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/api/v2/swagger/index>

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

---

**Description**

Get person details

**Usage**

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

**Arguments**

query	Search query for a person, required parameter
party	Search query for a political party
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/api/v2/swagger/index>

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

Other Persons: [get\\_person\\_social\(\)](#), [get\\_person\(\)](#)

**Examples**

```
## Not run:  
search_person(query = "Kalousek")  
search_person(query = "Kalousek", party = "TOP 09")  
  
## 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
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/api/v2/swagger/index>

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

Other Subsidies: [get\\_subsidy\(\)](#)

**Examples**

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



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