

Package ‘distilleR’

April 23, 2026

Type Package

Title A Wrap Around the 'DistillerSR' APIs

Version 1.0.0

Maintainer Luca Belmonte <luca.belmonte@efsa.europa.eu>

Description Interface to 'DistillerSR' APIs. See
<<https://apidocs.evidencepartners.com/>> for more details.

License EUPL-1.2

URL <https://openefsa.github.io/distilleR/>

BugReports <https://github.com/openefsa/distilleR/issues>

Depends R (>= 4.1.0)

Imports cli (>= 3.6.5), checkmate (>= 2.3.1), glue (>= 1.7.0), httr2 (>= 1.2.1), jsonlite (>= 1.8.7), readr (>= 2.1.5), readxl (>= 1.4.3), tibble (>= 3.3.0)

Suggests devtools (>= 2.4.5), knitr (>= 1.0), rmarkdown (>= 2.0), roxygen2 (>= 7.2.1), testthat (>= 3.0.0), usethis (>= 2.2.3), covr (>= 3.6.4), openxlsx (>= 4.2.8), rlang (>= 1.1.4)

Encoding UTF-8

RoxygenNote 7.3.3

Config/testthat/edition 3

VignetteBuilder knitr

Config/Needs/website pkgdown

Repository CRAN

NeedsCompilation no

Author Lorenzo Copelli [aut] (ORCID: <<https://orcid.org/0009-0002-4305-065X>>),
Fulvio Barizzone [aut] (ORCID: <<https://orcid.org/0009-0006-3035-520X>>),
Dayana Stephanie Buzle [aut] (ORCID:
<<https://orcid.org/0009-0003-2990-7431>>),
Rafael Vieira [aut] (ORCID: <<https://orcid.org/0009-0009-0289-5438>>),
Luca Belmonte [aut, cre] (ORCID:
<<https://orcid.org/0000-0002-7977-9170>>)

Date/Publication 2026-04-23 19:50:17 UTC

Contents

| | |
|----------------------------------|----------|
| getAuthenticationToken | 2 |
| getProjects | 3 |
| getReport | 4 |
| getReports | 5 |
| Index | 7 |

getAuthenticationToken

Authenticate to a DistillerSR session.

Description

Authenticates a user to a DistillerSR instance using a personal access key. The function returns a valid authentication token that can be used to access protected DistillerSR API endpoints.

Usage

```
getAuthenticationToken(
    distillerInstanceUrl = Sys.getenv("DISTILLER_INSTANCE_URL"),
    distillerKey = Sys.getenv("DISTILLER_API_KEY"),
    timeout = 1800
)
```

Arguments

| | |
|----------------------|---|
| distillerInstanceUrl | character (string). The base URL of the DistillerSR instance. By default: Sys.getenv("DISTILLER_INSTANCE_URL"). |
| distillerKey | character (string). The personal access key generated in DistillerSR. By default: Sys.getenv("DISTILLER_API_KEY"). |
| timeout | integer. The maximum number of seconds to wait for the authentication response. By default: 1800 seconds (30 minutes). |

Details

By default, the personal access key and the instance URL are read from the environment variables DISTILLER_API_KEY and DISTILLER_INSTANCE_URL.

Value

A string containing a valid DistillerSR authentication token.

Examples

```
## Not run:
# If 'DISTILLER_INSTANCE_URL' and 'DISTILLER_API_KEY' are defined in your
# environment (e.g. .Renvirom).
distillerToken_ <- getAuthenticationToken()

# If 'distillerInstanceUrl' and 'distillerKey' are to be specified manually.
distillerToken_ <- getAuthenticationToken(
  distillerInstanceUrl = "https://url.to.distiller.instance",
  distillerKey = "YOUR_API_KEY")

## End(Not run)
```

| | |
|-------------|---|
| getProjects | <i>Get the list of the Distiller projects associated to the authenticated user.</i> |
|-------------|---|

Description

This function queries the DistillerSR API to retrieve the list of projects accessible to the authenticated user. It requires an authentication token and a valid API instance URL. The result is a dataframe listing available projects.

Usage

```
getProjects(
  distillerInstanceUrl = Sys.getenv("DISTILLER_INSTANCE_URL"),
  distillerToken,
  timeout = 1800
)
```

Arguments

| | |
|----------------------|--|
| distillerInstanceUrl | character (string). The distiller instance URL. By default: Sys.getenv("DISTILLER_INSTANCE_URL"). |
| distillerToken | character (string). The token the user gets once authenticated. |
| timeout | integer. The maximum number of seconds to wait for the response. By default: 1800 seconds (30 minutes). |

Value

A tibble with four columns:

- id: The project ID.
- name: The name of the project.
- de_project_id.
- is_hidden.

See Also

[getAuthenticationToken](#)

Examples

```
## Not run:
distillerToken_ <- getAuthenticationToken()

projects_ <- getProjects(distillerToken = distillerToken_)

## End(Not run)
```

| | |
|-----------|--|
| getReport | <i>Get a Distiller report associated to a project of the authenticated user.</i> |
|-----------|--|

Description

This function queries the DistillerSR API to retrieve a saved report associated with a given project ID. It requires user authentication and a valid API endpoint URL. The result is a dataframe containing metadata about the saved report.

Usage

```
getReport(
  projectId,
  reportId,
  format = c("excel", "csv"),
  distillerInstanceUrl = Sys.getenv("DISTILLER_INSTANCE_URL"),
  distillerToken,
  timeout = 1800,
  attempts = 1,
  retryEach = 600,
  verbose = TRUE
)
```

Arguments

| | |
|----------------------|--|
| projectId | integer. The ID of the project as provided by DistillerSR. |
| reportId | integer. The ID of the report as provided by DistillerSR. |
| format | character (string). The desired format for the document. It can be either excel or csv. |
| distillerInstanceUrl | character (string). The distiller instance URL. By default: Sys.getenv("DISTILLER_INSTANCE_URL"). |
| distillerToken | character (string). The token the user gets once authenticated. |

| | |
|-----------|--|
| timeout | integer. The maximum number of seconds to wait for the response. By default: 1800 seconds (30 minutes). |
| attempts | integer. The maximum number of attempts. By default: 1 attempt. |
| retryEach | integer. The delay between attempts. By default: 600 seconds (10 minutes). |
| verbose | logical. A flag to specify whether to make the function verbose or not. By default: TRUE. |

Value

A data frame containing the Distiller report as designed within DistillerSR.

See Also

[getAuthenticationToken](#)
[getProjects](#)
[getReports](#)

Examples

```
## Not run:
distillerToken_ <- getAuthenticationToken()

projects_ <- getProjects(distillerToken = distillerToken_)

reports_ <- getReports(
  projectId = projects_$id[1],
  distillerToken = distillerToken_)

report_ <- getReport(
  projectId = projects_$id[1],
  reportID = reports_$id[7],
  format = "csv",
  distillerToken = distillerToken_)

## End(Not run)
```

| | |
|------------|---|
| getReports | <i>Get the list of the Distiller reports associated to a project of the authenticated user.</i> |
|------------|---|

Description

This function queries the DistillerSR API to retrieve the list of saved reports associated with a given project ID. It requires user authentication and a valid API endpoint URL. The result is a dataframe containing metadata about each saved report.

Usage

```
getReports(  
  projectId,  
  distillerInstanceUrl = Sys.getenv("DISTILLER_INSTANCE_URL"),  
  distillerToken,  
  timeout = 1800  
)
```

Arguments

`projectId` integer. The ID of the project as provided by DistillerSR.

`distillerInstanceUrl` character (string). The distiller instance URL.
By default: `Sys.getenv("DISTILLER_INSTANCE_URL")`.

`distillerToken` character (string). The token the user gets once authenticated.

`timeout` integer. The maximum number of seconds to wait for the response.
By default: 1800 seconds (30 minutes).

Value

A tibble with four columns:

- `id`: The ID of the saved report.
- `name`: The name of the report.
- `date`: The creation date of the report.
- `view`: The format of the report (e.g., html, csv, excel).

See Also

[getAuthenticationToken](#)

[getProjects](#)

Examples

```
## Not run:  
distillerToken_ <- getAuthenticationToken()  
  
projects_ <- getProjects(distillerToken = distillerToken_)  
  
reports_ <- getReports(  
  projectId = projects_$id[1],  
  distillerToken = distillerToken_)  
  
## End(Not run)
```

Index

getAuthenticationToken, [2](#), [4-6](#)
getProjects, [3](#), [5](#), [6](#)
getReport, [4](#)
getReports, [5](#), [5](#)