Package 'databraryr'

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Type Package

Title Interact with the 'Databrary.org' API

Version 0.6.6

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Description 'Databrary.org' is a restricted access repository for
research data, especially video and audio. This package provides
commands to interact with the data stored on 'Databrary.org'.

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URL <https://databrary.github.io/databraryr/>,
<https://github.com/databrary/databraryr>

BugReports <https://github.com/databrary/databraryr/issues>

Imports assertthat (>= 0.2.1), dplyr (>= 1.1.4), getPass (>= 0.2.4),
httr2 (>= 1.0.0), keyring (>= 1.3.2), lifecycle (>= 1.0.4),
magick (>= 2.8.2), magrittr, methods (>= 4.3.2), options (>=
0.2.0), purrr (>= 1.0.2), stringr (>= 1.5.1), tibble (>=
3.2.1), xfun (>= 0.41)

Suggests av (>= 0.9.0), ggplot2, knitr, openssl, readr, rmarkdown (>=
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API_CONSTANTS *Load Package-wide Constants into Local Environment*

Description

Load Package-wide Constants into Local Environment

Usage

```
API_CONSTANTS
```

Format

An object of class character of length 1.

---

assign_constants *Download Databrary Constants From API.*

Description

Download Databrary Constants From API.

Usage

```
assign_constants(vb = options::opt("vb"), rq = NULL)
```

Arguments

vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Defaults to NULL.

Value

A data frame with the constants.

Examples

```
assign_constants()
```

---

check_ssl_certs   *Check SSL Certificates For nyu.databary.org.*

Description

check_ssl_certs checks the SSL certificates for nyu.databrary.org and returns a data frame with the relevant information.

Usage

```
check_ssl_certs(host = "nyu.databrary.org")
```

Arguments

host   Target URL. Defaults to 'nyu.databrary.org'.

Value

A data frame with information about the SSL certificates.

Examples

```
check_ssl_certs()
```

---

download_party_avatar *Returns the Avatar(s) (images) for Authorized User(s).*

Description

Returns the Avatar(s) (images) for Authorized User(s).

Usage

```
download_party_avatar(
  party_id = 6,
  show_party_info = TRUE,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

`party_id`	A number or range of numbers. Party number or numbers to retrieve information about. Default is 6 (Rick Gilmore).
`show_party_info`	
	A logical value. Show the person's name and affiliation in the output. Default is TRUE.
`vb`	Show verbose messages. (Defaults to `FALSE`, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
`rq`	An `httr2` request object. If not provided, a new request is generated via `make_default_request()`.

Value

An list with the avatar (image) file and a name_affil string.

Examples

```
## Not run:
download_party_avatar() # Show Rick Gilmore's (party 6) avatar.

# Download avatars from Databrary's founders (without name/affiliations)
download_party_avatar(5:7, show_party_info = FALSE)

# Download NYU logo
download_party_avatar(party = 8)

## End(Not run)
```

---

download_session_asset

Download Asset From Databrary.

Description

Databrary stores file types (assets) of many types. This function downloads an asset based on its system-unique integer identifer (asset_id) and system-unique session (slot) identifier (session_id).

Usage

```
download_session_asset(
  asset_id = 1,
  session_id = 9807,
  file_name = NULL,
  target_dir = tempdir(),
  timeout_secs = REQUEST_TIMEOUT,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

`asset_id`	An integer. Asset id for target file. Default is 1.
`session_id`	An integer. Slot/session number where target file is stored. Default is 9807.
`file_name`	A character string. Name for downloaded file. Default is NULL.
`target_dir`	A character string. Directory to save the downloaded file. Default is a temporary directory given by a call to `tempdir()`.
`timeout_secs`	An integer constant. The default value, defined in CONSTANTS.R is REQUEST_TIMEOUT. This value determines the default timeout value for the httr2 request object. When downloading large files, it can be useful to set this value to a large number.
`vb`	Show verbose messages. (Defaults to `FALSE`, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
`rq`	A list in the form of an `httr2` request object. Default is NULL.

Value

Full file name to the asset or NULL.

Examples

```
## Not run:
download_session_asset() # Download's 'numbers' file from volume 1.
download_session_asset(asset_id = 11643, session_id = 9825, file_name = "rdk.mp4")
# Downloads a display with a random dot kinematogram (RDK).

## End(Not run)
```

---

download_session_assets_fr_df

Download Asset From A Databrary Session.

Description

Databrary stores file types (assets) of many types. This function downloads assets in a data frame generated by list_session_assets().

Usage

```
download_session_assets_fr_df(
  session_df = list_session_assets(),
  target_dir = tempdir(),
  add_session_subdir = TRUE,
  overwrite = TRUE,
  make_portable_fn = FALSE,
```

```
    timeout_secs = REQUEST_TIMEOUT_VERY_LONG,
    vb = options::opt("vb"),
    rq = NULL
)
```

Arguments

session_df   A data frame as generated by list_session_assets_2().

target_dir   A character string. Directory to save the downloaded file. Default is directory
                 named after the session_id.

add_session_subdir
                 A logical value. Add add the session name to the file path so that files are in a
                 subdirectory specific to the session. Default is TRUE.

overwrite   A logical value. Overwrite an existing file. Default is TRUE.

make_portable_fn
                 A logical value. Replace characters in file names that are not broadly portable
                 across file systems. Default is FALSE.

timeout_secs   An integer. The seconds an httr2 request will run before timing out. Default is
                 600 (10 min). This is to handle very large files.

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb'
                 or environment variable 'R_DATABRARYR_VB')

rq   A list in the form of an httr2 request object. Default is NULL.

Value

Full file names to the downloaded assets or NULL.

Examples

```
## Not run:
download_session_assets_fr_df() # Downloads all of the files from session
9807 in Databrary volume 1.

# Just the CSVs
v1 <- list_session_assets()
v1_csv <- dplyr::filter(v1, format_extension == "csv")
download_session_assets_fr_df(v1_csv, vb = TRUE)

## End(Not run)
```

download_session_csv *Download Session Spreadsheet As CSV*

Description

Databrary generates a CSV-formated spreadsheet that summarizes information about individual sessions. This command downloads that CSV file as a temporary file or with a name specified by the user.

Usage

```
download_session_csv(
  vol_id = 1,
  file_name = "test.csv",
  target_dir = tempdir(),
  as_df = FALSE,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

vol_id	An integer. Target volume number. Default is 1.
file_name	A character string. Name for the output file. Default is 'test.csv'.
target_dir	A character string. Directory to save downloaded file. Default is tempdir().
as_df	A logical value. Convert the data from a list to a data frame. Default is FALSE.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Default is NULL.

Value

A character string that is the name of the downloaded file or a data frame if as_df is TRUE.

Examples

```
## Not run:
download_session_csv() # Downloads "session" CSV for volume 1

## End(Not run)
```

download_session_zip *Download Zip Archive From Databrary Session.*

Description

Download Zip Archive From Databrary Session.

Usage

```
download_session_zip(
  vol_id = 31,
  session_id = 9803,
  out_dir = tempdir(),
  file_name = "test.zip",
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

vol_id	Volume number.
session_id	Slot/session number.
out_dir	Directory to save output file.
file_name	Name for downloaded file, default is 'test.zip'.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Default is NULL.

Value

Full filename of the downloaded file.

Examples

```
## Not run:
download_session_zip() # Downloads Zip Archive from volume 31, session 9803

## End(Not run)
```

---

download_single_session_asset_fr_df

Download Single Asset From Databrary

Description

Databrary stores file types (assets) of many types. This function downloads an asset based on its system-unique integer identifer (asset_id) and system-unique session (slot) identifier (session_id). It is designed to work with download_session_assets_fr_df() so that multiple files can be downloaded simultaneously.

Usage

```
download_single_session_asset_fr_df(
  i = NULL,
  session_df = NULL,
  target_dir = tempdir(),
  add_session_subdir = TRUE,
  overwrite = TRUE,
  make_portable_fn = FALSE,
  timeout_secs = REQUEST_TIMEOUT_VERY_LONG,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

i	An integer. Index into a row of the session asset data frame. Default is NULL.
session_df	A row from a data frame from `list_session_assets()` or `list_volume_assets()`. Default is NULL>
target_dir	A character string. Directory to save the downloaded file. Default is a temporary directory given by a call to `tempdir()`.
add_session_subdir	
	A logical value. Add add the session name to the file path so that files are in a subdirectory specific to the session. Default is TRUE.
overwrite	A logical value. Overwrite an existing file. Default is TRUE.
make_portable_fn	
	A logical value. Replace characters in file names that are not broadly portable across file systems. Default is FALSE.
timeout_secs	An integer. The seconds an httr2 request will run before timing out. Default is 600 (10 min). This is to handle very large files.
vb	Show verbose messages. (Defaults to `FALSE`, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	A list in the form of an `httr2` request object. Default is NULL.

Value

Full file name to the asset or NULL.

Examples

```
## Not run:
vol_1 <- list_session_assets(session_id = 9807)
a_1 <- vol_1[1,]
tmp_dir <- tempdir()
fn <- file.path(tmp_dir, paste0(a_1$asset_name, ".", a_1$format_extension))
download_single_session_asset_fr_df(a_1$asset_id,
  fn,
  session_id = a_1$session_id,
  vb = TRUE)


## End(Not run)
```

---

download_video   *Download Video From Databrary.*

Description

Download Video From Databrary.

Usage

```
download_video(
  asset_id = 1,
  session_id = 9807,
  file_name = tempfile(paste0(session_id, "_", asset_id, "_"), fileext = ".mp4"),
  target_dir = tempdir(),
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

asset_id	Asset id for target file.
session_id	Slot/session number where target file is stored.
file_name	Name for downloaded file.
target_dir	Directory to save the downloaded file. Default is a temporary directory given by a call to tempdir().
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object.

Value

Full file name to the asset.

Examples

```
## Not run:
download_video() # Download's 'numbers' file from volume 1.
download_video(asset_id = 11643, session_id = 9825, file_name = "rdk.mp4")
#' # Downloads a display with a random dot kinematogram (RDK).

## End(Not run)
```

---

download_volume_zip   *Download Zip Archive of All Data in a Volume.*

Description

Download Zip Archive of All Data in a Volume.

Usage

```
download_volume_zip(
  vol_id = 31,
  out_dir = tempdir(),
  file_name = "test.zip",
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

vol_id	Volume number.
out_dir	Directory to save output file.
file_name	Name for downloaded file, default is 'test.mp4'.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Default is NULL.

Value

Full filename of the downloaded file.

Examples

```
## Not run:
download_volume_zip() # Zip file of all data from volume 31, the default.

## End(Not run)
```

---

get_assets_from_session

Helper function for list_volume_assets

Description

Helper function for list_volume_assets

Usage

```
get_assets_from_session(volume_container, ignore_materials = TRUE)
```

Arguments

volume_container
                The 'container' list from a volume.

ignore_materials
                A logical value.

---

get_asset_segment_range

Get Time Range For An Asset.

Description

Get Time Range For An Asset.

Usage

```
get_asset_segment_range(
  vol_id = 1,
  session_id = 9807,
  asset_id = 1,
  convert_JSON = TRUE,
  segment_only = TRUE,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

`vol_id`	Volume ID
`session_id`	Slot/session number.
`asset_id`	Asset number.
`convert_JSON`	A Boolean value. If TRUE, convert JSON to a data frame. Default is TRUE.
`segment_only`	A Boolean value. If TRUE, returns only the segment values. Otherwise returns a data frame with two fields, segment and permission. Default is TRUE.
`vb`	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
`rq`	An `httr2` request object. Default is NULL.

Value

The time range (in ms) for an asset, if one is indicated.

Examples

```
get_asset_segment_range()
```

`get_db_stats`	*Get Stats About Databrary.*

Description

`get_db_stats` returns basic summary information about the institutions, people, and data hosted on 'Databrary.org'.

Usage

```
get_db_stats(type = "stats", vb = options::opt("vb"), rq = NULL)
```

Arguments

`type`	Type of Databrary report to run "institutions", "people", "data"
`vb`	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
`rq`	An `httr2` request object.

Value

A data frame with the requested data or NULL if there is no new information.

Examples

```
get_db_stats()
get_db_stats("stats")
get_db_stats("people") # Information about the newest authorized investigators.
get_db_stats("places") # Information about the newest institutions.
```

---

get_file_duration   *Get Duration (In ms) Of A File.*

Description

Get Duration (In ms) Of A File.

Usage

```
get_file_duration(
  asset_id = 1,
  types_w_durations = c("-600", "-800"),
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

asset_id   Asset number.

types_w_durations

         Asset types that have valid durations.

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')

rq   An httr2 request object. Default is NULL.

Value

Duration of a file in ms.

Examples

```
get_file_duration() # default is the test video from databrary.org/volume/1
```

---

get_party_by_id *Download Information About a Party on Databrary as JSON*

Description

Download Information About a Party on Databrary as JSON

Usage

```
get_party_by_id(
  party_id = 6,
  parents_children_access = TRUE,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

party_id   An integer. The party number to retrieve information about.

parents_children_access

               A logical value. If TRUE (the default), returns *all* of the data about the party. If
               FALSE, only a minimum amount of information about the party is returned.

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb'
               or environment variable 'R_DATABRARYR_VB')

rq   An httr2-style request object. If NULL, then a new request will be generated
               using make_default_request().

Value

A nested list with information about the party. This can be readily parsed by other functions.

Examples

```
## Not run:
get_party_by_id()

## End(Not run)
```

---

get_permission_levels   *Extract Databrary Permission Levels.*

Description

Extract Databrary Permission Levels.

Usage

```
get_permission_levels(vb = options::opt("vb"))
```

Arguments

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')

Value

An array with the permission levels that can be assigned to data.

Examples

```
get_permission_levels()
```

---

get_release_levels   *Show Databrary Release Levels*

Description

Show Databrary Release Levels

Usage

```
get_release_levels(vb = options::opt("vb"))
```

Arguments

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')

Value

A data frame with Databrary's release levels.

Examples

```
get_release_levels()
```

---

get_session_by_id   *Get Session (Slot) Data From A Databrary Volume*

Description

Get Session (Slot) Data From A Databrary Volume

Usage

```
get_session_by_id(
  session_id = 9807,
  vol_id = 1,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

session_id	An integer indicating a valid session/slot identifier linked to a volume. Default value is 9807, the materials folder for volume 1.
vol_id	An integer indicating the volume identifier. Default is 1.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object.

Value

A JSON blob with the session data. If the user has previously logged in to Databrary via login_db(), then session(s) that have restricted access can be downloaded, subject to the sharing release levels on those session(s).

Examples

```
## Not run:
get_session_by_id() # Default is Volume 1, Session 9807, the Materials folder

## End(Not run)
```

get_session_by_name *Get Session (Slot) Data From A Databrary Volume By Session Name.*

Description

Get Session (Slot) Data From A Databrary Volume By Session Name.

Usage

```
get_session_by_name(
  session_name = "Advisory Board Meeting",
  vol_id = 1,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

session_name	A string. The name of the target session. Defaults to "Advisory Board Meeting", the name of several of the sessions in the public Volume 1.
vol_id	An integer indicating the volume identifier. Default is 1.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request, such as that generated by make_default_request().

Value

One or more JSON blobs (as lists) whose session name(s) match name in the given volume.

Examples

```
## Not run:
# Returns multiple JSON blobs with the name "Advisory Board Meeting" in Volume 1.
get_session_by_name()

get_session_by_name(name = 'Top-level materials')

## End(Not run)
```

---

get_supported_file_types

Extracts File Types Supported by Databrary.

Description

Extracts File Types Supported by Databrary.

Usage

```
get_supported_file_types(vb = options::opt("vb"))
```

Arguments

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb'
                    or environment variable 'R_DATABRARYR_VB')

Value

A data frame with the file types permitted on Databrary.

Examples

```
get_supported_file_types()
```

---

get_volume_by_id   *Get Data From A Databrary Volume*

Description

Get Data From A Databrary Volume

Usage

```
get_volume_by_id(vol_id = 1, vb = options::opt("vb"), rq = NULL)
```

Arguments

vol_id   Volume ID.

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb'
                    or environment variable 'R_DATABRARYR_VB')

rq   An httr2 request object. If NULL (the default), a new request is generated
                    using make_default_request(). To access restricted data, the user must login
                    with a specific request object using login_db().

Value

A JSON blob with the volume data. If the user has previously logged in to Databrary via `login_db()`, then volume(s) that have restricted access can be downloaded, subject to the sharing release levels on those volume(s).

Examples

```
get_volume_by_id() # Default is Volume 1
```

HHMMSSmmm_to_ms	*Convert Timestamp String To ms.*

Description

Convert Timestamp String To ms.

Usage

```
HHMMSSmmm_to_ms(HHMMSSmmm = "01:01:01:333")
```

Arguments

HHMMSSmmm	a string in the format "HH:MM:SS:mmm"

Value

A numeric value in ms from the input string.

Examples

```
HHMMSSmmm_to_ms() # 01:01:01:333 in ms
```

---

is_institution	*Is This Party An Institution?*

Description

Is This Party An Institution?

Usage

```
is_institution(party_id = 8, vb = options::opt("vb"), rq = NULL)
```

Arguments

`party_id`	Databrary party ID
`vb`	Show verbose messages. (Defaults to `FALSE`, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
`rq`	An `httr2` request object.

Value

TRUE if the party is an institution, FALSE otherwise.

Examples

```
is_institution() # Is party 8 (NYU) an institution.
```

---

is_person   *Is This Party A Person?*

Description

Is This Party A Person?

Usage

```
is_person(party_id = 7, vb = options::opt("vb"), rq = NULL)
```

Arguments

`party_id`	Databrary party ID
`vb`	Show verbose messages. (Defaults to `FALSE`, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
`rq`	An `httr2` request object.

Value

TRUE if the party is a person, FALSE otherwise.

Examples

```
is_person()
```

---

list_asset_formats   *List Stored Assets (Files) By Type.*

Description

List Stored Assets (Files) By Type.

Usage

```
list_asset_formats(vb = options::opt("vb"))
```

Arguments

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')

Value

A data frame with information about the data formats Databrary supports.

Examples

```
list_asset_formats()
```

---

list_authorized_investigators
                    List Authorized Investigators at Institution

---

Description

List Authorized Investigators at Institution

Usage

```
list_authorized_investigators(
  party_id = 12,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

party_id   Target party ID.

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')

rq   An httr2-style request object. If NULL, then a new request will be generated using make_default_request().

Value

A data frame with information the institution's authorized investigators.

Examples

```
## Not run:
list_institutional_affiliates() # Default is Penn State (party 12)

## End(Not run)
```

---

list_party_affiliates *List Affiliates For A Party*

Description

List Affiliates For A Party

Usage

```
list_party_affiliates(party_id = 6, vb = options::opt("vb"), rq = NULL)
```

Arguments

party_id	Target party ID.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Defaults to NULL.

Value

A data frame with information about a party's affiliates.

Examples

```
list_party_affiliates() # Default is Rick Gilmore (party 6)
```

---

list_party_sponsors *List Sponsors For A Party*

Description

List Sponsors For A Party

Usage

```
list_party_sponsors(party_id = 6, vb = options::opt("vb"), rq = NULL)
```

Arguments

party_id	Target party ID.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2-style request object. If NULL, then a new request will be generated using make_default_request().

Value

A data frame with information about a party's sponsors.

Examples

```
## Not run:
list_party_sponsors() # Default is Rick Gilmore (party 6)

## End(Not run)
```

---

list_party_volumes *List Volumes A Party Has Access To*

Description

List Volumes A Party Has Access To

Usage

```
list_party_volumes(party_id = 6, vb = options::opt("vb"), rq = NULL)
```

Arguments

party_id	Target party ID.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2-style request object. If NULL, then a new request will be generated using make_default_request().

Value

A data frame with information about a party's sponsors.

Examples

```
## Not run:
list_party_volumes() # Default is Rick Gilmore (party 6)

## End(Not run)
```

---

list_session_activity *List Activity History in Databrary Session.*

Description

If a user has access to a volume and session, this function returns the history of modifications to that session.

Usage

```
list_session_activity(session_id = 6256, vb = options::opt("vb"), rq = NULL)
```

Arguments

session_id	Selected session/slot number.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Defaults to NULL. To access the activity history on a volume a user has privileges on. Create a request (rq <- make_default_request()); login using make_login_client(rq = rq); then run list_session_activity(session_id = <YOUR_SI

Value

A list with the activity history on a session/slot.

Examples

```
## Not run:
# The following will only return output if the user has write privileges
# on the session.

list_session_activity(session_id = 6256, vb = FALSE) # Activity for session 6256.

## End(Not run)
```

---

list_session_assets   *List Assets in a Databrary Session.*

Description

#' @description **[Experimental]**

Usage

```
list_session_assets(session_id = 9807, vb = options::opt("vb"), rq = NULL)
```

Arguments

session_id	An integer. A Databrary session number. Default is 9807, the "materials" folder from Databrary volume 1.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. If NULL, a default request is generated from databraryr::make_default_request()

Details

As of v0.6.3 list_session_assets() replaces an older function that is now named list_volume_session_assets(). The older function requires both a volume ID and a session ID. The new function requires only a session ID.

Value

A data frame with information about all assets in a volume.

Examples

```
## Not run:
list_session_assets() # Session 9807 in volume 1

## End(Not run)
```

---

list_sponsors *List Sponsors For A Party*

Description

List Sponsors For A Party

Usage

```
list_sponsors(party_id = 6, vb = options::opt("vb"), rq = NULL)
```

Arguments

party_id	Target party ID.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2-style request object. If NULL, then a new request will be generated using make_default_request().

Value

A data frame with information about a party's sponsors.

Examples

```
## Not run:
list_sponsors() # Default is Rick Gilmore (party 6)

## End(Not run)
```

---

list_volume_activity *List Activity In A Databrary Volume*

Description

If a user has access to a volume, this command lists the modification history of the volume as a

Usage

```
list_volume_activity(vol_id = 1, vb = options::opt("vb"), rq = NULL)
```

Arguments

`vol_id`	Selected volume number.
`vb`	Show verbose messages. (Defaults to `FALSE`, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
`rq`	An `httr2` request object. Defaults to NULL.

Value

A list with the activity history on a volume.

Examples

```
## Not run:
# The following will only return output if the user has write privileges
# on the volume.

list_volume_activity(vol_id = 1) # Activity on volume 1.

## End(Not run)
```

---

list_volume_assets   *List Assets in Databrary Volume.*

Description

List Assets in Databrary Volume.

Usage

```
list_volume_assets(vol_id = 1, vb = options::opt("vb"), rq = NULL)
```

Arguments

`vol_id`	Target volume number. Default is 1.
`vb`	Show verbose messages. (Defaults to `FALSE`, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
`rq`	An `httr2` request object. Default is NULL.

Value

A data frame with information about all assets in a volume.

Examples

```
## Not run:
list_volume_assets() # Assets in volume 1

## End(Not run)
```

---

list_volume_excerpts   *List Image or Video Excerpts On A Databrary Volume.*

Description

List Image or Video Excerpts On A Databrary Volume.

Usage

```
list_volume_excerpts(vol_id = 1, vb = options::opt("vb"), rq = NULL)
```

Arguments

vol_id   Target volume number.

vb   Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb'
            or environment variable 'R_DATABRARYR_VB')

rq   An httr2 request object. Default is NULL.

Value

A list with information about any available excerpts.

Examples

```
list_volume_excerpts()
```

list_volume_funding *Lists Funders Associated With a Databrary Volume.*

Description

Lists Funders Associated With a Databrary Volume.

Usage

```
list_volume_funding(
  vol_id = 1,
  add_id = TRUE,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

vol_id	Target volume number.
add_id	A logical value. Include the volume ID in the output. Default is TRUE.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object.

Value

A data frame with funder information for the volume.

Examples

```
## Not run:
list_volume_funding() # Funding for volume 1

list_volume_funding(vol_id = c(1:10))

## End(Not run)
```

---

list_volume_links *Retrieves URL Links From A Databrary Volume.*

Description

Retrieves URL Links From A Databrary Volume.

Usage

```
list_volume_links(vol_id = 1, vb = options::opt("vb"), rq = NULL)
```

Arguments

vol_id	Target volume number.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object.

Value

A data frame with the requested data.

Examples

```
## Not run:
list_volume_links() # Links from volume 1

## End(Not run)
```

---

list_volume_owners *List Owners of a Databrary Volume.*

Description

List Owners of a Databrary Volume.

Usage

```
list_volume_owners(vol_id = 1, vb = options::opt("vb"), rq = NULL)
```

Arguments

vol_id	Selected volume number. Default is volume 1.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. If NULL (the default) a request will be generated, but this will only permit public information to be returned.

Value

A data frame with information about a volume's owner(s).

Examples

```
list_volume_owners() # Lists information about the owners of volume 1.
```

---

list_volume_sessions   *List Sessions in Databrary Volume.*

Description

List Sessions in Databrary Volume.

Usage

```
list_volume_sessions(
  vol_id = 1,
  include_vol_data = FALSE,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

vol_id	Target volume number.
include_vol_data	
	A Boolean value. Include volume-level metadata or not. Default is FALSE.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. If NULL (the default) a request will be generated, but this will only permit public information to be returned.

Value

A data frame with information about all assets in a volume.

Examples

```
## Not run:
list_volume_sessions() # Sessions in Volume 1

## End(Not run)
```

---

list_volume_session_assets

List Assets in a Session from a Databrary volume.

Description

#' @description **[Experimental]**

Usage

```
list_volume_session_assets(
  vol_id = 1,
  session_id = 9807,
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

vol_id	Target volume number.
session_id	The session number in the selected volume.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object.

Details

list_volume_session_assets() is a new name for the <v0.6.2 list_session_assets() as function. There is a new list_session_assets() function that does not requre the volume ID. The list_volume_session_assets() *requires* a volume ID.

Value

A data frame with information about all assets in a volume.

Examples

```
## Not run:
list_volume_session_assets() # Session 9807 in volume 1

## End(Not run)
```

---

list_volume_tags *Lists Keywords And Tags For A Volume.*

Description

Lists Keywords And Tags For A Volume.

Usage

```
list_volume_tags(vol_id = 1, vb = options::opt("vb"), rq = NULL)
```

Arguments

vol_id	Target volume number.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Default is NULL.

Value

A data frame with the requested data.

Examples

```
list_volume_tags()
```

---

login_db *Log In To Databrary.org.*

Description

Log In To Databrary.org.

Usage

```
login_db(
  email = NULL,
  password = NULL,
  store = FALSE,
  overwrite = FALSE,
  vb = options::opt("vb"),
  SERVICE = KEYRING_SERVICE,
  rq = NULL
)
```

Arguments

email	Databrary account email address.
password	Databrary password (not recommended as it will displayed as you type)
store	A boolean value. If TRUE store/retrieve credentials from the system keyring/keychain.
overwrite	A boolean value. If TRUE and store is TRUE, overwrite/ update stored credentials in keyring/keychain.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
SERVICE	A character label for stored credentials in the keyring. Default is "databrary"
rq	An http request object. Defaults to NULL.

Value

Logical value indicating whether log in is successful or not.

Examples

```
login_db() # Queries user for email and password interactively.


## Not run:
# The following shows how to use credentials that have been stored previously.

login_db(email = "you@provider.com", store = TRUE)


## End(Not run)
```

---

logout_db *Log Out of Databrary.org.*

Description

Log Out of Databrary.org.

Usage

```
logout_db(vb = options::opt("vb"), rq = NULL)
```

Arguments

vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Defaults to NULL.

Value

TRUE if logging out succeeds, FALSE otherwise.

Examples

```
logout_db()
```

---

make_default_request   *Set default httr request parameters.*

Description

`make_default_request` sets default parameters for httr requests.

Usage

```
make_default_request()
```

Value

An `httr2` request object.

Examples

```
make_default_request()
```

---

make_fn_portable   *Make Portable File Names*

Description

Make Portable File Names

Usage

```
make_fn_portable(
  fn,
  vb = options::opt("vb"),
  replace_regex = "[ &\\!\\)\\(\\}\\{\\[\\]\\+\\=@#\\$%\\^\\*]",
  replacement_char = "_"
)
```

Arguments

fn	Databrary party ID
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
replace_regex	A character string. A regular expression to capture the "non-portable" characters in fn.
replacement_char	
	A character string. The character(s) that will replace the non-portable characters.

Value

A "cleaned" portable file name

---

make_login_client *Log In To Databrary.org.*

Description

Log In To Databrary.org.

Usage

```
make_login_client(
  email = NULL,
  password = NULL,
  store = FALSE,
  overwrite = FALSE,
  vb = options::opt("vb"),
  SERVICE = KEYRING_SERVICE,
  rq = NULL
)
```

Arguments

email	Databrary account email address.
password	Databrary password (not recommended as it will displayed as you type)
store	A boolean value. If TRUE store/retrieve credentials from the system keyring/keychain.
overwrite	A boolean value. If TRUE and store is TRUE, overwrite/ update stored credentials in keyring/keychain.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
SERVICE	A character label for stored credentials in the keyring. Default is "databrary"
rq	An httr2 request object. Defaults to NULL.

Value

Logical value indicating whether log in is successful or not.

Examples

```
make_login_client() # Queries user for email and password interactively.


## Not run:
# The following shows how to use credentials that have been stored previously.

make_login_client(email = "you@provider.com", store = TRUE)

## End(Not run)
```

---

options   *databraryr Options*

Description

Internally used, package-specific options. All options will prioritize R options() values, and fall back to environment variables if undefined. If neither the option nor the environment variable is set, a default value is used.

Checking Option Values

Option values specific to databraryr can be accessed by passing the package name to env.

```
options::opts(env = "databraryr")
```

```
options::opt(x, default, env = "databraryr")
```

Options

vb Show verbose messages.

  default: FALSE

  option: databraryr.vb

  envvar: R_DATABRARYR_VB (evaluated if possible, raw string otherwise)

See Also

options getOption Sys.setenv Sys.getenv

---

search_for_funder   *Report Information About A Funder.*

Description

Report Information About A Funder.

Usage

```
search_for_funder(
  search_string = "national+science+foundation",
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

search_string	String to search.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Default is NULL.

Value

A data frame with information about the funder.

Examples

```
search_for_funder("national+science+foundation")
```

---

search_for_keywords   *Search For Keywords in Databrary Volumes.*

Description

Search For Keywords in Databrary Volumes.

Usage

```
search_for_keywords(
  search_string = "locomotion",
  vb = options::opt("vb"),
  rq = NULL
)
```

Arguments

search_string	String to search.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Default is NULL.

Value

A list with the volumes that contain the keyword.

Examples

```
## Not run:
search_for_keywords() # searches for volumes with "locomotion" as a keyword.

search_for_keywords("adult") # searches for volumes with "adult" as a keyword.

## End(Not run)
```

---

search_for_tags   *Search For Tags on Volumes or Sessions.*

Description

Search For Tags on Volumes or Sessions.

Usage

```
search_for_tags(search_string = "ICIS", vb = options::opt("vb"), rq = NULL)
```

Arguments

search_string	String to search.
vb	Show verbose messages. (Defaults to FALSE, overwritable using option 'databraryr.vb' or environment variable 'R_DATABRARYR_VB')
rq	An httr2 request object. Default is NULL.

Value

An array of tags that match the tag_string.

Examples

```
## Not run:
search_for_tags() # Searches for volumes that have the tag "ICIS"

## End(Not run)
```

Index