Package ‘MolgenisArmadillo’

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## .compress_resource

**Description**

Helper function for compressing to an RDS file

**Usage**

```r
.compress_resource(resource, file)
```

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>resource</td>
<td>the resource to write to file</td>
</tr>
<tr>
<td>file</td>
<td>the name of the file (without extension)</td>
</tr>
</tbody>
</table>
### .compress_table

**Helper function for compressing to a parquet file**

**Description**

Helper function for compressing to a parquet file

**Usage**

```
.compress_table(table, file)
```

**Arguments**

- `table`: the table to write to file
- `file`: the name of the file (without extension)

**Value**

the extension of the file

### .format_api_posts

**Formats API posts based on subset definition**

**Description**

Formats API posts based on subset definition

**Usage**

```
.format_api_posts(posts, subset_def)
```

**Arguments**

- `posts`: A list of API posts
- `subset_def`: A tibble containing subset definition

**Value**

A tibble consisting of original subset_def with columns `posts` and `status` appended.
get_linkfile_content  Helper function to get the contents of a linkfile

Description
Helper function to get the contents of a linkfile

Usage
.get_linkfile_content(project, object_name)

Arguments

project  projectname where the linkfile is stored
object_name  folder/name of linkfile

Value
the contents of the linkfile

load_linked_table  Helper function to extract the source parquet file in a linkfile

Description
Helper function to extract the source parquet file in a linkfile

Usage
.load_linked_table(file, columns)

Arguments

file  source table parquet file
columns  character list of columns to select from source file

Value
the contents of the file, as data frame
.load_resource  
Helper function to extract an RDS file

Description
Helper function to extract an RDS file

Usage
.load_resource(file)

Arguments
file  file to extract

Value
the contents of the file

.load_table  
Helper function to extract a parquet file

Description
Helper function to extract a parquet file

Usage
.load_table(file)

Arguments
file  file to extract

Value
the contents of the file, as data frame
Description

Copy resource

Usage

```r
copy_resource <- function(project, folder, name, new_folder = folder, new_name = name)
```  
Arguments

- **project**: study or other variable collection
- **folder**: the folder containing the resource
- **name**: specific resource for copy action
- **new_folder**: name of the folder in which to place the copy, defaults to folder
- **new_name**: name of the copy, defaults to name

Value

the response from the server

Examples

```r
## Not run:
copy_resource(
  project = "gecko",
  folder = "core_all",
  name = "table1",
  new_folder = "core_all_v2",
)
## End(Not run)
```
Description

Copy table

Usage

armadillo.copy_table(
    project,
    folder,
    name,
    new_folder = folder,
    new_name = name
)

Arguments

project       study or other variable collection
folder        the folder containing the table
name          specific table for copy action
new_folder    name of the folder in which to place the copy, defaults to folder
new_name      name of the copy, defaults to name

Value

the response from the server

Examples

## Not run:
armadillo.copy_table(
    project = "gecko",
    folder = "core_all",
    name = "table1",
    new_folder = "core_all_v2",
)

## End(Not run)
armadillo.create_project

Create a project for a variable collection

Description

Create a project for a variable collection

Usage

armadillo.create_project(
  project_name = NULL,
  users = NULL,
  overwrite_existing = "choose"
)

Arguments

project_name The name of the project to create. The project name
  • cannot be empty.
  • must be no more than 56 characters.
  • cannot end with a -.
  • must consist of lowercase letters and numbers.

users A list collection of the users that should have access to the project

overwrite_existing Character, specifying action to take if project still exists: 'choose' (default) displays a menu giving the option to overwrite or not, 'yes' overwrites the existing project and 'no' exists the function with a message.

Examples

## Not run:
armadillo.create_project("gecko")

## End(Not run)
armadillo.delete_project

Delete project

Description

A project represents usually a study or collection of variables

Usage

armadillo.delete_project(project_name)

Arguments

project_name  the name of the study or collection of variables name

Examples

## Not run:
armadillo.delete_project(project_name = "gecko")

## End(Not run)

armadillo.delete_resource

Delete resource

Description

Delete resource

Usage

armadillo.delete_resource(project, folder, name)

Arguments

project  project to delete the resource from
folder   folder to delete the resource from
name     resource name
armadillo.delete_table

Delete table

Description

Delete table

Usage

armadillo.delete_table(project, folder, name)

Arguments

project project to delete the table from
folder folder to delete the table from
name table name

Examples

## Not run:
armadillo.delete_table(  
  project = "gecko",  
  folder = "core_all",  
  name = "table1"  
)

## End(Not run)
armadillo.get_projects_info

*Gets the Projects information*

**Description**

Gets the Projects information

**Usage**

```python
armadillo.get_projects_info()
```

**Value**

the projects and their information

**Examples**

```r
## Not run:
armadillo.get_projects_info()
## End(Not run)
```

armadillo.get_project_users

*Gets the users of an given project name*

**Description**

Gets the users of an given project name

**Usage**

```python
armadillo.get_project_users(project_name)
```

**Arguments**

- `project_name` the name of the project to extract the users from

**Value**

List of all users within "project_name"
Examples

## Not run:
armadillo.get_project_users("some-project")

## End(Not run)

---

armadillo.list_projects

*List the projects*

Description

List the projects

Usage

armadillo.list_projects()

Value

the projects

Examples

## Not run:
armadillo.list_projects()

## End(Not run)

---

armadillo.install_packages

*Install package*

Description

Installs a user defined package into the provided profile. The package is automatically whitelisted after installation. Only available during development.

Usage

armadillo.install_packages(paths, profile = "default")

Arguments

<table>
<thead>
<tr>
<th>paths</th>
<th>the path(s) to the package(s), can be a vector or a string</th>
</tr>
</thead>
<tbody>
<tr>
<td>profile</td>
<td>the selected profile</td>
</tr>
</tbody>
</table>

---
**armadillo.list_resources**

*List the resources in a project*

**Description**
List the resources in a project

**Usage**
armadillo.list_resources(project)

**Arguments**
- **project** the shared project in which the resources are located

**Value**
the resources in the project

**Examples**
```r
## Not run:
armadillo.list_resources("gecko")
## End(Not run)
```

---

**armadillo.list_tables**

*List the tables in a project*

**Description**
List the tables in a project

**Usage**
armadillo.list_tables(project)

**Arguments**
- **project** the shared project in which the tables are located

**Value**
the table names, without the extension
Examples

```r
## Not run:
armadillo.list_tables("gecko")

## End(Not run)
```

armadillo.load_resource

*Load a resource from a project*

Description

Load a resource from a project

Usage

```r
armadillo.load_resource(project, folder, name)
```

Arguments

- `project`: study or collection variables
- `folder`: the folder containing the resource
- `name`: name of the resource

Value

the loaded resource

Examples

```r
## Not run:
armadillo.load_resource(
  project = "gecko",
  folder = "core_all",
  name = "lc_core_1"
)

## End(Not run)
```
armadillo.load_table  Load a table from a project

Description
Load a table from a project

Usage
armadillo.load_table(project, folder, name)

Arguments
project study or collection variables
folder the folder containing the table
name name of the table

Value
the contents of the table file, as data frame

Examples
## Not run:
armadillo.load_table(
  project = "gecko",
  folder = "core_all",
  name = "lc_core_1"
)
## End(Not run)

armadillo.login  Login

Description
Interactively obtains an id token and uses it to create a session token for an Armadillo Service

Usage
armadillo.login(armadillo)

Arguments
armadillo URL of the Armadillo server,
Value

the id token

Examples

```r
## Not run:
armadillo.login(
  
  "https://armadillo.dev.molgenis.org"
)
armadillo.login("http://localhost:8080")

## End(Not run)
```

---

**armadillo.login_basic**  *Login with username / password (meant for dev and test environments)*

Description

Login with username / password (meant for dev and test environments)

Usage

```r
armadillo.login_basic(armadillo, username, password)
```

Arguments

- **armadillo**: URL of the Armadillo server
- **username**: the username
- **password**: the password

Examples

```r
## Not run:
armadillo.login(
  
  "https://armadillo.dev.molgenis.org", "admin", "admin"
)
armadillo.login("http://localhost:8080", "admin", "admin")

## End(Not run)
```
armadillo.move_resource

*Move the resource*

**Description**

Move the resource

**Usage**

```r
armadillo.move_resource(
  project,  # a study or collection of variables
  folder,   # the folder containing the resource to move
  name,     # a resource to move
  new_folder = folder,  # the folder to move the resource to, defaults to folder
  new_name = name       # use to rename the file, defaults to name
)
```

**Arguments**

- `project`
- `folder`
- `name`
- `new_folder`
- `new_name`

**Value**

NULL, invisibly

**Examples**

```r
## Not run:
armadillo.move_resource(
  project = "gecko",
  folder = "core_all",
  name = "table1",
  new_folder = "core_all_v2",
)
## End(Not run)
```
armadillo.move_table

Move the table

Description
Move the table

Usage

armadillo.move_table(
  project,
  folder,
  name,
  new_folder = folder,
  new_name = name
)

Arguments

  project  a study or collection of variables
  folder   the folder containing the table to move
  name     a table to move
  new_folder   the folder to move the table to, defaults to folder
  new_name   use to rename the file, defaults to name

Value
NULL, invisibly

Examples

## Not run:
armadillo.move_table(
  project = "gecko",
  folder = "core_all",
  name = "table1",
  new_folder = "core_all_v2",
)

## End(Not run)
armadillo.subset  Describes data available to subset and makes subset

Description

This automates the process of:

1. Checking what data is available to create subsets
2. Make the subset

Usage

armadillo.subset(
  input_source = NULL,
  subset_def = NULL,
  source_project = NULL,
  source_folder = NULL,
  source_table = NULL,
  target_project = NULL,
  target_folder = NULL,
  target_table = NULL,
  target_vars = NULL,
  new_project = NULL,
  dry_run = NULL
)

Arguments

input_source Character specifying how information about the target view is provided: choose 'subset_def' if providing a subset definition object, or 'arguments' if providing information directly.

subset_def R object containing subset definition created by armadillo.subset_definition(). Compulsory if input_source = 'subset_def'

source_project project from which to subset data

source_folder folder from which to subset data. Compulsory if input_source = 'arguments'.

source_table table from which to subset data. Compulsory if input_source = 'arguments'.

target_project project to upload subset to. Will be created if it doesn’t exist.

target_folder folder to upload subset to. Will be created if it doesn’t exist. Compulsory if input_source = 'arguments'.

target_table table to upload subset to. Compulsory if input_source = 'arguments'.

target_vars variables from ‘source_table’ to include in the view. Compulsory if input_source = 'arguments'.

new_project Deprecated: use target_project instead

dry_run Defunct: previously enabled dry-run to check which variables are missing
Value

missing variables provided in the subset definition

Examples

## Not run:
armadillo.subset(
    source_project = "gecko",
    target_project = "study1",
    subset_def = local_subset
)

## End(Not run)
armadillo.upload_resource

*Uploads a resource to a folder in a project*

**Description**

Uploads a resource to a folder in a project

**Usage**

```
armadillo.upload_resource(project, folder, resource, name = NULL)
```

**Arguments**

- **project**: the project to upload to
- **folder**: the folder to upload to
- **resource**: the resource to upload
- **name**: name of the resource (optional)

**Examples**

```r
## Not run:
armadillo.upload_table(
  project = "gecko",
  folder = "core_all",
  table1
)
## End(Not run)
```

armadillo.upload_table

*Uploads a table to a folder in a project*

**Description**

Uploads a table to a folder in a project

**Usage**

```
armadillo.upload_table(project, folder, table, name = NULL)
```
Arguments

- **project**: the project to upload to
- **folder**: the folder to upload to
- **table**: the table to upload
- **name**: name of the table (optional)

Examples

```r
## Not run:
armadillo.upload_table(
  project = "gecko",
  folder = "core_all",
  table = "core_all",
)
```

## End(Not run)
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