Package 'MolgenisArmadillo'

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Type Package

Version 2.3.0

Title Armadillo Client for the Armadillo Service

Description A set of functions to manage data shared on a
'MOLGENIS Armadillo' server.

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tibble, MolgenisAuth (>= 0.0.25), arrow, rlist

Suggests stringi, withr, knitr, testthat, webmockr, mockery, datasets,
rmarkdown, DSMolgenisArmadillo

License LGPL (>= 2.1)

URL https://github.com/molgenis/molgenis-r-armadillo/,

https://molgenis.github.io/molgenis-r-armadillo/

BugReports https://github.com/molgenis/molgenis-r-armadillo/issues/

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R topics documented:

.compress_resource   *Helper function for compressing to an RDS file*

Description

Helper function for compressing to an RDS file

Usage

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

Arguments

resource	the resource to write to file
file	the name of the file (without extension)

Value

the extension of the file

.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

.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

---

armadillo.copy_resource

Copy resource

Description

Copy resource

Usage

```
armadillo.copy_resource(
  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

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

## End(Not run)
```

---

armadillo.copy_table   *Copy table*

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, users = NULL)
```

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

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

Examples

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

## End(Not run)
```

---

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

```
armadillo.get_projects_info()
```

Value

the projects and their information

Examples

```
## 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

```
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.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

paths	the path(s) to the package(s), can be a vector or a string
profile	the selected profile

```
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.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

```
## 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

```
## 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

```
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

```
## 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

```
## 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

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

Arguments

armadillo	URL of the Armadillo server
username	the username
password	the password

Examples

```
## 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

```
armadillo.move_resource(
  project,
  folder,
  name,
  new_folder = folder,
  new_name = name
)
```

Arguments

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

Value

NULL, invisibly

Examples

```
## 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(
  source_project = NULL,
  new_project = NULL,
  subset_def = NULL,
  dry_run = FALSE
)
```

Arguments

source_project	project from which to subset data
new_project	project to upload subset to. Will be created if it doesn't exist.
subset_def	R object containing subset definition created by armadillo.subset_definition()
dry_run	you can dry-run the function to which variables are missing

Value

missing variables provided in the subset definition

Examples

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

## End(Not run)
```

---

armadillo.subset_definition

Builds an R object containing info required to make subsets

Description

This file must contain three columns with the headers 'folder', 'table' and 'variables'. 'Folder' must refer to a folder in the armadillo project to be subsetted. 'Table' must refer to a table within that folder. 'variables' must refer to variables within that table.

Usage

```
armadillo.subset_definition(vars = NULL)
```

Arguments

vars   .csv file containing vars to subset.

Value

a dataframe containing variables that is used for input in the `armadillo.subset()` method

Examples

```
## Not run:
armadillo.subset_definition(
  vars = "C:/tmp/vars.csv"
)

## 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

```
## 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

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

## End(Not run)
```

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