Package 'MolgenisArmadillo'

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Type Package

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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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Depends R (>= 4.1.0)

Imports base64enc, httr, urltools, dplyr, purrr, stringr, tidyr,
tibble, MolgenisAuth (>= 0.0.25), arrow, rlist, httr2, readr,
cli, lifecycle

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

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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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

armadillo.create_project

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_project_folder

Delete project folder

Description

Delete project folder

Usage

```
armadillo.delete_project_folder(project, folder)
```

Arguments

project   project to delete the object from
folder   folder to delete the object from

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 access 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 access 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(
  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,
  strict = FALSE
)
```

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 enabgled dry-run to check which variables are missing

strict   Boolean specifying whether to create subset if one or more target variables do
                 not exist in the target data. Option FALSE will throw and error, option TRUE
                 (default) creates subset and return a warning

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.subset_definition
                    Builds an R object containing info required to make subsets

---

Description

Builds an R object containing info required to make subsets

Usage

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

Arguments

reference_csv   .csv file containing details of the variable to subset. Must contain 5 columns:
                 'source_folder' specifying the folder from which to subset, 'souce_table' spec-
                 ifying the table from which to subset, 'target_folder' specifying the folder in
                 which to create the subset 'target_table' specifying the name of the subset and
                 'variable' specifying the variable(s) to include in the subset. Note that 'source_project'
                 and 'target_project' are specified as arguments to armadillo.subset.

vars   Deprecated: use reference_csv instead

Value

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

Examples

```
## Not run:
armadillo.subset_definition(
  reference_csv = "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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