

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 (>= 3.6)

Imports base64enc, httr, urltools, MolgenisAuth (>= 0.0.25), arrow

Suggests stringi, withr, knitr, testthat, webmockr, mockery, datasets, tibble, 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	2
.compress_table	3
.load_resource	3
.load_table	4
armadillo.copy_resource	4
armadillo.copy_table	5
armadillo.create_project	6
armadillo.delete_project	7
armadillo.delete_resource	7
armadillo.delete_table	8
armadillo.install_packages	9
armadillo.list_projects	9
armadillo.list_resources	10
armadillo.list_tables	10
armadillo.load_resource	11
armadillo.load_table	12
armadillo.login	12
armadillo.login_basic	13
armadillo.move_resource	14
armadillo.move_table	15
armadillo.upload_resource	16
armadillo.upload_table	16
Index	18

.compress_resource	<i>Helper function for compressing to an RDS file</i>
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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

<code>.load_table</code>	<i>Helper function to extract a parquet file</i>
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Description

Helper function to extract a parquet file

Usage

```
.load_table(file)
```

Arguments

<code>file</code>	file to extract
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Value

the contents of the file, as data frame

<code>armadillo.copy_resource</code>	<i>Copy resource</i>
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Description

Copy resource

Usage

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

Arguments

<code>project</code>	study or other variable collection
<code>folder</code>	the folder containing the resource
<code>name</code>	specific resource for copy action
<code>new_folder</code>	name of the folder in which to place the copy, defaults to folder
<code>new_name</code>	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)
```

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.

Value

TRUE if successful

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.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.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)
```

Index

[.compress_resource, 2](#)
[.compress_table, 3](#)
[.load_resource, 3](#)
[.load_table, 4](#)

[armadillo.copy_resource, 4](#)
[armadillo.copy_table, 5](#)
[armadillo.create_project, 6](#)
[armadillo.delete_project, 7](#)
[armadillo.delete_resource, 7](#)
[armadillo.delete_table, 8](#)
[armadillo.install_packages, 9](#)
[armadillo.list_projects, 9](#)
[armadillo.list_resources, 10](#)
[armadillo.list_tables, 10](#)
[armadillo.load_resource, 11](#)
[armadillo.load_table, 12](#)
[armadillo.login, 12](#)
[armadillo.login_basic, 13](#)
[armadillo.move_resource, 14](#)
[armadillo.move_table, 15](#)
[armadillo.upload_resource, 16](#)
[armadillo.upload_table, 16](#)