Package 'RFeder8'

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Type Package

Title Interface to the Feder8 Storage Service

Version 2.0

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Description This package allows you to retrieve, store, list and delete files on the different storage services in Feder8

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Encoding UTF-8

LazyData true

Imports keyring, httr, uuid, rjson

RoxygenNote 7.1.1

R topics documented:

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delete_file_with_key   *Delete the file with the given file key*

Description

Delete the file with the given file key

Usage

```
delete_file_with_key(env, file_key, auth_source)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-ATION_DEV".
file_key	key of the file to be deleted
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

---

delete_file_with_uuid   *Delete the file with the given UUID*

Description

Delete the file with the given UUID

Usage

```
delete_file_with_uuid(env, uuid, auth_source)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-ATION_DEV".
uuid	UUID of the file to be deleted
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

```
download_file_with_key
```
Download the file with the given file key

Description

Download the file with the given file key

Usage

```
download_file_with_key(env, file_key, auth_source)
```

Arguments

`env`	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDERATION_DEV".
`file_key`	the file key of the file to be downloaded
`auth_source`	A string indicating the source of authentication i.e. "webapi" or "local".

```
download_file_with_uuid
```
Download the file with the given UUID

Description

Download the file with the given UUID

Usage

```
download_file_with_uuid(env, uuid, auth_source)
```

Arguments

`env`	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDERATION_DEV".
`uuid`	UUID of the file to be downloaded
`auth_source`	A string indicating the source of authentication i.e. "webapi" or "local".

Feder8	*Feder8: API package for connecting to the Feder8 Storage Services*

Description

The Feder8 provides a set of functions to use the Feder8 storage services

Feder8 functions

set_credentials_with_prompt(env) set_credentials(env, username, password) get_credentials(env)
get_webapi_base_url() set_webapi_base_url(url) get_token_context_from_webapi(env) get_token_context_from_vault(
list_data_files(env, auth_source) list_studies(env, auth_source) get_study(env, study_id, auth_source)
list_files(env, file_key_prefix, auth_source) list_script_results(env, study_id, script_version_uuid,
latest_version_only, auth_source) save_data_files(env,file_name,auth_source) save_script_result(env,
script_version__uuid, file_name, auth_source) download_file_with_uuid(env, uuid, auth_source)
download_file_with_key(env, file_key, auth_source) delete_file_with_uuid(env, uuid, auth_source)
delete_file_with_key(env, file_key, auth_source)

find_script_metadata_file	
	Helper function to find a "metadata.json" in the current working directory

Description

Helper function to find a "metadata.json" in the current working directory

Usage

```
find_script_metadata_file()
```

find_script_uuid_in_metadata	
	Helper function to retrieve the script uuid from a "metadata.json" in the current working directory

Description

Helper function to retrieve the script uuid from a "metadata.json" in the current working directory

Usage

```
find_script_uuid_in_metadata()
```

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find_script_uuid_in_zeppelin

Helper function to retrieve the script uuid from the given Zeppelin context 'z'

Description

Helper function to retrieve the script uuid from the given Zeppelin context 'z'

Usage

```
find_script_uuid_in_zeppelin(zeppelin_context)
```

Arguments

zeppelin_context
              The Zeppelin 'z' context

---

get_credentials   *Retrieve user credentials from the local credential store*

Description

Retrieve user credentials from the local credential store

Usage

```
get_credentials(env)
```

Arguments

env   A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDERATION_DEV".

Examples

```
get_credentials("HONEUR")
```

---

get_study   *Retrieve the details of the study with the given ID*

Description

Retrieve the details of the study with the given ID

Usage

```
get_study(env, study_id, auth_source)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-ATION_DEV".
study_id	Integer representing the id of the study
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

Value

The study details

Examples

```
get_study("HONEUR", 3, "local")
```

---

get_token_context   *Helper function to get the token context from the given source*

Description

Helper function to get the token context from the given source

Usage

```
get_token_context(env, auth_source)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-ATION_DEV".
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

get_token_context_from_vault

> *Get token to access files or notebooks in the storage service from the local credentialstore Credentials for the resepective credential store should be provided through set_credentials(env)*

Description

Get token to access files or notebooks in the storage service from the local credentialstore Credentials for the resepective credential store should be provided through set_credentials(env)

Usage

```
get_token_context_from_vault(env)
```

Arguments

env   A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDERATION_DEV".

Examples

```
get_token_context_from_webapi("HONEUR")
```

get_token_context_from_webapi

> *Get token to access files or notebooks in the storage service from the webapi The webapi should be accessible under http://localhost:8080/webapi*

Description

Get token to access files or notebooks in the storage service from the webapi The webapi should be accessible under http://localhost:8080/webapi

Usage

```
get_token_context_from_webapi(env)
```

Arguments

env   A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDERATION_DEV".

get_webapi_base_url	*Get the configured base URL of WebAPI (the default is 'http://localhost:8080/webapi')*

Description

Get the configured base URL of WebAPI (the default is 'http://localhost:8080/webapi')

Usage

```
get_webapi_base_url()
```

get_webapi_token_endpoint
Helper function to get the WebAPI endpoint to get a token

Description

Helper function to get the WebAPI endpoint to get a token

Usage

```
get_webapi_token_endpoint()
```

list_data_files	*List all files in a particular environment.*

Description

List all files in a particular environment.

Usage

```
list_data_files(env, auth_source)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDERATION_DEV".
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

Value

The list of files with uuid, timestamp and name.

Examples

```
list_data_files("HONEUR","local")
```

---

list_files   *List all files with a file key that matches the given prefix*

Description

List all files with a file key that matches the given prefix

Usage

```
list_files(env, file_key_prefix, auth_source)
```

Arguments

env   A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT",
               "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-
               ATION_DEV".

file_key_prefix
               A string indicating a part of file key to search for (e.g. "studies/<study-uuid>/")

auth_source   A string indicating the source of authentication i.e. "webapi" or "local".

Value

The list of files with file key that matches the given prefix

Examples

```
list_files("HONEUR","studies/2a669940-75a9-440e-9be1-5dff514ad2cf", "local")
```

---

list_script_results   *List all results for a study or for a specific script version*

Description

List all results for a study or for a specific script version

Usage

```
list_script_results(
  env,
  study_id,
  script_version_uuid = NULL,
  latest_version_only = FALSE,
  auth_source
)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-ATION_DEV".
study_id	String id of the study to retrieve the results for
script_version_uuid	
	String the UUID of a script version that belongs to the study
latest_version_only	
	TRUE/FALSE to respectively only retrieve the latest version of every single result per source for a given script or retrieve all results
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

Value

The list of the result files for a given study or script version

Examples

```
list_script_results("HONEUR", 3, latest_version_only = TRUE, auth_source="local")
```

---

list_studies	*List all studies in a particular environment.*

Description

List all studies in a particular environment.

Usage

```
list_studies(env, auth_source)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-ATION_DEV".
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

Value

The list of all studies with

Examples

```
list_studies("HONEUR","local")
```

| save_data_files | *Saves a file to the storage service* |

Description

Saves a file to the storage service

Usage

```
save_data_files(env, file_name, auth_source)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDERATION_DEV".
file_name	A string indicating the path for the file to be saved
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

| save_notebook_results | *Saves results for a given notebook (!!! Deprecated !!! save_script_result should be used instead)* |

Description

Saves results for a given notebook (!!! Deprecated !!! save_script_result should be used instead)

Usage

```
save_notebook_results(env, notebook_uuid, file_name, auth_source)
```

Arguments

env	A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDERATION_DEV".
notebook_uuid	String with the uuid for the respective notebook that generated the results
file_name	A string indicating the path to the file containing the result
auth_source	A string indicating the source of authentication i.e. "webapi" or "local".

---

save_script_result   *Saves a result for the script version with the given UUID*

Description

Saves a result for the script version with the given UUID

Usage

```
save_script_result(env, script_version_uuid, result_file, auth_source)
```

Arguments

env   A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT",
                     "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-
                     ATION_DEV".

script_version_uuid
                     A string indicating the UUID of the script version to link the result to

result_file   A string indicating the filename of the result to be saved

auth_source   A string indicating the source of authentication i.e. "webapi" or "local".

---

set_credentials   *Set user credentials on the local credential store Using this function*
                            will allow the user to store the provided credentials for the selected
                            environment in the local credential store

---

Description

Set user credentials on the local credential store Using this function will allow the user to store the
provided credentials for the selected environment in the local credential store

Usage

```
set_credentials(env, username, password)
```

Arguments

env   A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT",
                     "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-
                     ATION_DEV".

username   The username of the platform account

password   The password of the platform account

set_credentials_with_prompt

> *Set user credentials on the local credential store Using this function will allow the user to enter credentials for the selected environment. In the first popup the username should be entered, in the second popup the password (as used to enter the respective central Feder8 application)*

Description

Set user credentials on the local credential store Using this function will allow the user to enter credentials for the selected environment. In the first popup the username should be entered, in the second popup the password (as used to enter the respective central Feder8 application)

Usage

```
set_credentials_with_prompt(env)
```

Arguments

env   A string in uppercase for the environment i.e. "HONEUR", "HONEUR_UAT", "HONEUR_DEV", "PHEDERATION", "PHEDERATION_UAT", "PHEDER-ATION_DEV".

set_webapi_base_url   *Function to set base URL of WebAPI (the default is 'http://localhost:8080/webapi')*

Description

Function to set base URL of WebAPI (the default is 'http://localhost:8080/webapi')

Usage

```
set_webapi_base_url(url)
```

Arguments

url   The base URL of WebAPI (e.g. 'http://localhost:8080/webapi')

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