Package 'DominoDataR'

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Title 'Domino Data R SDK'

Version 0.2.3

Description A wrapper on top of the 'Domino Data Python SDK' library. It lets you query and access 'Domino Data Sources' directly from your R environment. Under the hood, 'Domino Data R SDK' leverages the API provided by the 'Domino Data Python SDK', which must be installed as a prerequisite. 'Domino' is a platform that makes it easy to run your code on scalable hardware, with integrated version control and collaboration features designed for analytical workflows. See <https://docs.dominodatalab.com/en/latest/api_guide/140b48/domino-data-api> for more information.

License Apache License (>= 2)

URL https://github.com/dominodatalab/DominoDataR

Encoding UTF-8

RoxygenNote 7.2.3

Imports arrow, ConfigParser, httr, reticulate

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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Contents

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add_credentials   *Add credentials override for the right datasources*

Description

Add credentials override for the right datasources

Usage

```
add_credentials(auth_type, config = list())
```

Arguments

auth_type	Datasource Authentication type
config	existing config override to extend

Value

named list of override configuration values

---

add_override   *Add override configuration values*

Description

Add override configuration values

Usage

```
add_override(..., .override = character())
```

Arguments

...	named configuration values.
.override	a named character vector

Value

named list of override configuration values

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datasource_client   *Create a client to Domino datasources*

Description

Create a client to Domino datasources

Usage

```
datasource_client(api_key = NULL, token_file = NULL)
```

Arguments

api_key   string key to override the environment variable

token_file   location of file to read token from

Value

A `domino_data.data_sources.DataSourceClient`.

---

get_object   *Retrieve an object from a datasource*

Description

Retrieve an object from a datasource

Usage

```
get_object(client, datasource, object, as = "raw", override = list())
```

Arguments

client   As returned by datasource_client()

datasource   The name of the datasource to query

object   The object to retrieve

as   Passed through to content

override   Configuration values to override (add_override())

Value

Raw vector representation of the object

| list_keys | *List the keys starting with prefix in an object store* |

Description

List the keys starting with prefix in an object store

Usage

```
list_keys(client, datasource, prefix = "", override = list(), page_size = 50)
```

Arguments

client	As returned by datasource_client()
datasource	The name of the datasource to query
prefix	Prefix to filter keys to list
override	Configuration values to override (add_override())
page_size	Number of objects to fetch

Value

A vector or string keys

| load_aws_credentials | *Load AWS Credentials* |

Description

Load AWS Credentials

Usage

```
load_aws_credentials(location, profile = NULL)
```

Arguments

location	file path where AWS credentials are located
profile	AWS profile or section to use

Value

named list of override configuration values

```
load_oauth_credentials
```
Load OAuth Credentials

Description

Load OAuth Credentials

Usage

```
load_oauth_credentials(location)
```

Arguments

location   file path where token is located

Value

named list of override configuration values

```
object_http
```
HTTP requests for Object Stores

Description

HTTP requests for Object Stores

Usage

```
object_http(
  verb = "GET",
  url,
  datasource_type,
  config = list(),
  headers = list(),
  request_body = "",
  write_disk = NULL
)
```

Arguments

`verb`	A character string containing an HTTP verb, defaulting to "GET".
`url`	Signed URL to download object at.
`datasource_type`	
	Type of datasource the object is stored in.
`config`	A list of config values for the REST call.
`headers`	A list of request headers for the REST call.
`request_body`	A character string containing request body data.
`write_disk`	An argument like `write_disk` to write the result directly to disk.

Details

This is mostly for internal use by object store APIs.

Value

a `response` object.

`put_object`	*Upload an object to a datasource*

Description

Upload an object to a datasource

Usage

```
put_object(client, datasource, object, what, override = list())
```

Arguments

`client`	As returned by `datasource_client()`
`datasource`	The name of the datasource to query
`object`	The object to retrieve
`what`	character vector, raw vector
`override`	Configuration values to override (`add_override()`)

Value

Raw vector representation of the object

```
py_domino_data_install
```
Install domino_data Python package

Description

Install domino_data Python package

Usage

```
py_domino_data_install(version)
```

Arguments

version   Version of the domino_data package to install.

Value

TRUE if installation was successful, FALSE otherwise.

```
py_select_interpreter
```
Tell reticulate to use Python Conda version available on Domino Data Lab.

Description

Provide other options in case the package is used for local development.

Usage

```
py_select_interpreter()
```

Value

TRUE if a python binary was bound to reticulate, FALSE otherwise

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query   *Query a datasource and returns an arrow Table*

Description

Query a datasource and returns an arrow Table

Usage

```
query(client, datasource, query, override = list())
```

Arguments

client	As returned by [datasource_client()](#)
datasource	The name of the datasource to query
query	The query to run against the provided datasource
override	Configuration values to override ([add_override()](#))

Value

An [arrow::Table](#)

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save_object   *Save an object from a datasource to a local file*

Description

Save an object from a datasource to a local file

Usage

```
save_object(
  client,
  datasource,
  object,
  file = basename(object),
  override = list()
)
```

Arguments

client	As returned by [datasource_client()](#)
datasource	The name of the datasource to query
object	The object to retrieve
file	File path to save object at. Defaults to the object base name.
override	Configuration values to override ([add_override()](#))

Value

Raw vector representation of the object

---

upload_object	*Upload a file to a datasource*

Description

Upload a file to a datasource

Usage

```
upload_object(client, datasource, object, file, override = list())
```

Arguments

client	As returned by datasource_client()
datasource	The name of the datasource to query
object	The object to retrieve
file	File path to upload..
override	Configuration values to override (add_override())

Value

Raw vector representation of the object

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