

Package ‘foundry’

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Type Package

Title 'Palantir Foundry' Software Development Kit

Version 0.13.0

Maintainer Alexandre Guinaudeau <aguinaudeau@palantir.com>

Description Interface to 'Palantir Foundry', including reading and writing structured or unstructured datasets, and more <<https://www.palantir.com/platforms/foundry/>>.

URL <https://github.com/palantir/palantir-r-sdk>

BugReports <https://github.com/palantir/palantir-r-sdk/issues>

Encoding UTF-8

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Depends R (>= 3.5.0)

Imports arrow (>= 0.14.0), jsonlite, httr, R6, yaml

Suggests lintr, httpptest, testthat (>= 3.0.0), withr

Collate 'config.R' 'api_client.R' 'utils.R' 'schema.R' 'datasets_api_client.R' 'datasets.R'

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Author Alexandre Guinaudeau [aut, cre],
Palantir Technologies [aut, cph]

Repository CRAN

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datasets.download_files

Download Foundry Files locally.

Description

Download Foundry Files locally.

Usage

```
datasets.download_files(alias, files)
```

Arguments

alias	The alias representing the Dataset.
files	The file paths or file properties.

Value

A list mapping Foundry Dataset files to the local file paths where files were downloaded.

Examples

```
## Not run:  
# Download a single file in a Dataset  
downloaded_file <- datasets.download_files("my_alias", c("dir/my_file.csv"))  
read.csv(downloaded_file$`dir/my_file.csv`)  
  
# Extract text from all PDF files in a Dataset  
pdf_files <- datasets.list_files("my_alias", regex = ".*\\.pdf")  
downloaded_files <- datasets.download_files("my_alias", pdf_files)  
contents <- lapply(downloaded_files, pdftools::pdf_text)  
  
## End(Not run)
```

datasets.list_files *Lists the files stored in a Foundry Dataset.*

Description

Lists the files stored in a Foundry Dataset.

Usage

```
datasets.list_files(alias, regex = ".*")
```

Arguments

alias	The alias representing the Dataset.
regex	A regex used to filter files by path.

Value

The lists of file properties.

Examples

```
## Not run:  
# List all PDF files in a Dataset  
all_files <- datasets.list_files("my_dataset", regex=".*\\.pdf")  
  
# Get all file names  
file_names <- sapply(all_files, function(x) x$path)  
  
## End(Not run)
```

datasets.read_table *Reads a tabular Foundry dataset as data.frame or an Apache Arrow Table.*

Description

Reads a tabular Foundry dataset as data.frame or an Apache Arrow Table.

Usage

```
datasets.read_table(  
  alias,  
  columns = NULL,  
  row_limit = NULL,  
  format = "data.frame"  
)
```

Arguments

alias	The alias representing the Dataset. The Dataset must be tabular, i.e. have a schema.
columns	The subset of columns to retrieve.
row_limit	The maximum number of rows to retrieve.
format	The output format, can be 'arrow' or 'data.frame'.

Value

A data.table or an Arrow Table

Column types

Note that types may not match exactly the Foundry column types. See <https://arrow.apache.org/docs/r/articles/arrow.html> for details on type conversions from an arrow Table to a data.frame.

Examples

```
## Not run:
# Download a subset of a tabular Dataset
df <- datasets.read_table("my_input", columns = c("columnA", "columnB"), row_limit = 1000)

## End(Not run)
```

datasets.upload_files *Upload a local file or folder to a Foundry Dataset.*

Description

Upload a local file or folder to a Foundry Dataset.

Usage

```
datasets.upload_files(files, alias)
```

Arguments

files	The local files and folders to upload. If a folder is provided, all files found recursively in subfolders will be uploaded.
alias	The alias representing the Dataset.

Value

A list mapping local file paths to the corresponding Foundry Dataset file.

Examples

```
## Not run:  
# Upload RDS files to a Dataset  
local_dir <- file.path(tempdir(), "to_upload")  
dir.create(local_dir)  
saveRDS(iris, file.path(local_dir, "iris.rds"))  
saveRDS(Titanic, file.path(local_dir, "Titanic.rds"))  
  
datasets.upload_files(local_dir, "my_output")  
  
## End(Not run)
```

datasets.write_table *Writes a data.frame to a Foundry dataset.*

Description

Writes a data.frame to a Foundry dataset.

Usage

```
datasets.write_table(data, alias)
```

Arguments

data	A data.frame or an arrow Table.
alias	The alias representing the Dataset.

Column types

Note that types may not be exactly preserved and all types are not supported. See <https://arrow.apache.org/docs/r/articles/arrow> for details on type conversions from a data.frame to an arrow Table. Use `arrow::Table$create` to use more granular types.

Row Names

Row names are silently removed.

Examples

```
## Not run:  
datasets.write_table(mtcars, "my_output")  
  
## End(Not run)
```

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