Package 'wklsr'

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Type Package

Title Well-Known Locations in R

Version 0.2.5

Description Makes it easy to find global administrative boundaries from countries to cities using readable, 'chainable' R syntax. Fetches geometries from Overture Maps Foundation data. Ported from <https://github.com/wherobots/wkls>.

License Apache License (>= 2)

Encoding UTF-8

RoxygenNote 7.3.3

Suggests curl, jsonlite, testthat (>= 3.0.0)

Config/testthat/edition 3

Imports DBI, duckdb, utils

NeedsCompilation no

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Contents

as.data.frame.wkls_proxy *Convert wkls_proxy to data frame*

Description

Explicitly converts a wkls_proxy to a data frame by resolving the chain

Usage

```
## S3 method for class 'wkls_proxy'
as.data.frame(x, ...)
```

Arguments

x	A wkls_proxy object
...	Additional arguments (unused)

Value

A data frame with columns: id, country, region, subtype, name

dim.wkls_proxy *Get dimensions*

Description

Returns the dimensions (rows and columns) of the resolved data

Usage

```
## S3 method for class 'wkls_proxy'
dim(x)
```

Arguments

x	A wkls_proxy object

Value

An integer vector of length 2 giving rows and columns, or c(0L, 0L) for empty chains

is.data.frame.wkls_proxy *Check if object is a wkls_proxy*

Description

S3 method that identifies wkls_proxy objects as data frames

Usage

```
is.data.frame.wkls_proxy(x)
```

Arguments

x	A wkls_proxy object

Value

A logical value: always returns TRUE for wkls_proxy objects

names.wkls_proxy *Get column names*

Description

Returns the column names of the resolved data

Usage

```
## S3 method for class 'wkls_proxy'
names(x)
```

Arguments

x	A wkls_proxy object

Value

A character vector of column names, typically: "id", "country", "region", "subtype", "name"

ncol.wkls_proxy *Get number of columns*

Description

Returns the number of columns in the resolved data

Usage

```
ncol.wkls_proxy(x)
```

Arguments

x	A wkls_proxy object

Value

An integer representing the number of columns, or 0L for empty chains

nrow.wkls_proxy *Get number of rows*

Description

Returns the number of rows in the resolved data

Usage

```
nrow.wkls_proxy(x)
```

Arguments

x	A wkls_proxy object

Value

An integer representing the number of rows, or 0L for empty chains

print.wkls_proxy *Print method for wkls_proxy*

Description

Prints the resolved data frame for a wkls_proxy chain

Usage

```
## S3 method for class 'wkls_proxy'
print(x, ...)
```

Arguments

x	A wkls_proxy object
...	Additional arguments (unused)

Value

Invisibly returns the resolved data frame

wkls *Well-Known Locations Object*

Description

The main entry point for accessing global administrative boundaries. Chain country, region, and city codes to retrieve geographical data.

Usage

```
wkls
```

Format

A wkls_proxy object

Examples

```
# Get country geometry
wkls$us$wkt()

# Get region geometry
wkls$us$ca$geojson()

# Get city geometry
wkls$us$ca$sanfrancisco$wkt()

# List all countries
wkls$countries()

# List regions in a country
wkls$us$regions()
```

`[.wkls_proxy` *Extract rows/columns like a data frame*

Description

Allows subsetting the resolved data

Usage

```
## S3 method for class 'wkls_proxy'
x[i, j, drop = TRUE]
```

Arguments

`x`	A wkls_proxy object
`i`	Row indices
`j`	Column indices
`drop`	Whether to drop dimensions

Value

A subset of the resolved data frame

[[.wkls_proxy *Double bracket operator for wkls_proxy*

Description

Allows dictionary-style access and pattern matching with percent signs

Usage

```
## S3 method for class 'wkls_proxy'
x[[name]]
```

Arguments

x	A wkls_proxy object
name	Name to access (supports % for pattern matching)

Value

A wkls_proxy object for regular lookups, or a data frame when pattern matching is used (names containing %)

$.wkls_proxy *Dollar operator for wkls_proxy*

Description

Provides access to chaining attributes and methods

Usage

```
## S3 method for class 'wkls_proxy'
x$name
```

Arguments

x	A wkls_proxy object
name	Name of attribute or method to access

Value

Depends on usage: a wkls_proxy object for chaining, a function for methods (wkt, wkb, etc.), or a data frame for helper methods (countries, regions, etc.)

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