

Package ‘tmap.sources’

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Title Data Sources for 'tmap'

Version 0.1

Description Provides support for a variety of spatial data sources in 'tmap', including remote, tiled, and streaming formats. Enables the use of external vector and raster data without requiring full data import, facilitating efficient visualization workflows.

License GPL-3

Encoding UTF-8

Depends R (>= 4.1)

Imports tmap (>= 4.3), sf, httr2, jsonlite, freestiler, data.table, servr, cli

Suggests tmap.mapgl (>= 0.2-1)

Config/Needs/website bookdown, rmarkdown, r-tmap/tmap, walkerke/mapgl, r-tmap/tmap.mapgl

URL <https://github.com/r-tmap/tmap.sources>

BugReports <https://github.com/r-tmap/tmap.sources/issues>

Config/roxygen2/version 8.0.0

NeedsCompilation no

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Repository CRAN

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tmap_src_accessors *Derived accessors for tmap source metadata*

Description

Convenience functions to extract specific parts of the metadata object returned by [tmap_src_meta](#).

Usage

```
tmap_src_layers(meta)

tmap_src_vars(meta, layer = NULL)

tmap_src_cats(meta, layer = NULL, var)
```

Arguments

meta	List. Output of tmap_src_meta .
layer	Character. Layer name. May be omitted when the source has exactly one layer; required otherwise.
var	Character. Variable name within the layer.

Value

`tmap_src_layers` Character vector of layer names.

`tmap_src_vars` Data frame with columns `variable`, `class`, `categories` (list-column), and `palette` (list-column) for all variables in the layer.

`tmap_src_cats` A list with elements `categories` (character vector of known category values) and `palette` (named character vector of hex colours), both `NULL` when no catalogue entry exists for `layer.var`.

Examples

```
urls <- tmap_src_overture()
meta <- tmap_src_meta(urls$buildings)

tmap_src_layers(meta)

tmap_src_vars(meta, layer = "building")

tmap_src_cats(meta, layer = "building", var = "subtype")
```

tmap_src_meta	<i>Get tmap source metadata</i>
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Description

Returns all known metadata for a PMTiles source. For Overture Maps URLs, the layer_vars data frames are automatically annotated with categories and palette list-columns for variables that have a known closed value set.

Usage

```
tmap_src_meta(x)
```

Arguments

x URL or local file path to a PMTiles source.

Value

A list with elements: input, type, tile_type, url, layers, layer_vars, bbox, zoom. Each element of layer_vars is a data frame with columns variable, class, categories (list), palette (list).

tmap_src_overture	<i>Get Overture Maps PMTiles URLs</i>
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Description

Returns a named list of PMTiles URLs for all Overture themes. When release = "latest" (default), the version is resolved via the Overture STAC catalog at runtime.

Usage

```
tmap_src_overture(release = "latest")
```

Arguments

release Character. "latest" or an explicit release string such as "2026-03-18" or "2026-03-18.0".

Value

Named list of URLs: addresses, base, buildings, divisions, places, transportation.

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