

Package: tmap.sources (via r-universe)

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Title Data Sources for 'tmap'

Version 0.1

LazyData true

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), tmap.mapgl (>= 0.2-1), sf, httr2, jsonlite, freestiler, data.table, servr, cli

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>

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Config/pak/sysreqs libabsl-dev cmake libgdal-dev gdal-bin libgeos-dev make libpng-dev libuv1-dev libxml2-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev zlib1g-dev libclang-dev

Repository <https://r-tmap.r-universe.dev>

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tmap_src_accessors	<i>Derived accessors for tmap source metadata</i>
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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

```
## Not run:
urls <- tmap_src_overture()
meta <- tmap_src_meta(urls$buildings)

tmap_src_layers(meta)
#> [1] "building" "building_part"
```

```
tmap_src_vars(meta, layer = "building")

tmap_src_cats(meta, layer = "building", var = "subtype")
#> $categories
#> [1] "residential" "commercial" ...
#> $palette
#> residential commercial ...
#> "#f4a460" "#4169e1" ...

## End(Not run)
```

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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