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A third-party map service for every map? From now on, the vector tiles come from the EU.

The Map Tiles API delivers vector tiles, a ready-made map style for MapLibre GL JS, raster tiles for Leaflet and static map images by coordinates or IP. Built for portals, apps and documents that show their own maps.

AT A GLANCE

Style, tiles, fonts and sprites all come through the PaperOffice API. Static maps come as PNG at up to 800 × 600 pixels, with a marker if you want one.

01 · WHAT IT IS ABOUT

One map, many outside services. Now it all comes from one API.

A map in a portal needs tiles, a style, fonts and icons, often from different providers with keys of their own. The Map Tiles API delivers everything from one source: vector tiles from the EU, the matching style and static map images for documents and emails.

FORMATS

Vector tiles PBF (gzip), style JSON, raster tiles PNG, static maps as PNG or JSON

LIBRARIES

MapLibre GL JS through the style URL, Leaflet through the raster tiles

STATIC MAP

By coordinates or IP, zoom 4 to 16, up to 800 × 600 pixels, marker optional

ACCESS

REST API with bearer token, Publishable Key in the browser, MCP

**Vector tiles**

/maptiles/tiles/{z}/{x}/{y}.pbf returns vector tiles in the OpenMapTiles schema, gzip-compressed and cacheable in the browser for 30 days.

Ready-made map style

/maptiles/style.json points to the tiles, fonts, sprites and coastlines of the PaperOffice API. MapLibre GL JS loads everything else on its own.

Raster tiles for Leaflet

/maptiles/raster/{z}/{x}/{y}.png serves the same style as 256-pixel PNG tiles, a good fit for Leaflet and similar libraries.

Static maps

/maptiles/staticmap renders a PNG around lat and lon, with zoom, width, height and marker. For quotes, reports and emails.

Map by IP

Pass ip instead of coordinates and the map centers on the location of that IP address. In JSON format, city, region and country come along.

Cache-friendly

Tiles carry an ETag and long cache lifetimes. When the browser asks for a known tile again, the API answers with 304.

02 · HOW IT WORKS

Load the style. Show the map.

For interactive maps, you load the style and the library fetches the tiles on its own. For images in documents, a single call to staticmap is enough.

1

Create a key

Under **API & Developer** > **API Keys**, use **Create New Key** to create a key of type **API Key**. For the browser, choose **Publishable Key** with the scope **Look up (e.g., addresses, currencies)**.

2

Add the style URL

In MapLibre GL JS, set style to `/maptiles/style.json`. The map then loads tiles, fonts and sprites from there.

3

Or use raster tiles

In Leaflet, enter `/maptiles/raster/{z}/{x}/{y}.png` as the tile URL. The maps in the PaperOffice app use the same source.

4

Request a static map

GET or POST `/maptiles/staticmap` with lat, lon, zoom, width and height. `format=json` returns URL, size and place instead of the image.

TECHNICAL DATA

FEATURE	DETAILS
Endpoints	<code>/maptiles/tiles/{z}/{x}/{y}.pbf</code> , <code>/maptiles/style.json</code> , <code>/maptiles/raster/{z}/{x}/{y}.png</code> , <code>/maptiles/staticmap</code>
Vector format	Mapbox Vector Tiles (PBF), gzip, OpenMapTiles schema, ETag, 30-day cache
Style	Style JSON for MapLibre GL JS with sprites, fonts and coastlines, 1-hour cache
Static map	PNG, zoom 4 to 16, width 100 to 800, height 50 to 600 pixels, marker on or off
staticmap output	<code>format=image</code> (PNG with PaperOffice logo in the corner), <code>json</code> (url, dimensions, location) or <code>base64</code>
Access	Bearer token in the Authorization header, base URL <code>https://api.paperoffice.ai/latest</code>
MCP tools	<code>po_map_tiles_static_map_coordinates</code> , <code>po_map_tiles_static_map_ip_address (/mcp-full)</code>

03 · IN PRACTICE

Where your own maps are needed. Three real-world workflows.

Location map in the portal

The customer portal loads `/maptiles/style.json` in MapLibre GL JS and shows branches as markers. The Geocoding API supplies their coordinates from the addresses.

Overview map in a quote

The quote generator calls `staticmap` with the coordinates of the job site and places the PNG with a marker straight into the document as an overview map.

Senders on the map

The `Analytics AI > Sender Map` in the app shows the senders of your documents on raster tiles from the same API. Your own dashboards can draw on the same source.

FREQUENTLY ASKED QUESTIONS

Which map libraries work with it?

MapLibre GL JS loads the style URL and fetches the vector tiles on its own. For Leaflet, use the raster tiles as PNG.

Can I embed maps in documents?

Yes, `staticmap` returns a PNG by coordinates or IP at up to 800 × 600 pixels. With `format=base64` you get a data URI to embed directly in HTML and emails.

Where do tiles, fonts and icons come from?

Everything comes through the PaperOffice API: the style file points exclusively to its addresses for tiles, fonts, sprites and coastlines. Vector tiles from the EU.

Does it work from Claude?

Yes, through the MCP endpoint `/mcp-full`:
`po_map_tiles_static_map_coordinates` creates a map by coordinates,
`po_map_tiles_static_map_ip_address` by IP address.

GET STARTED

Your first map takes one style URL.

Create an account, create a key under `API & Developer > API Keys` and load `/maptiles/style.json` in MapLibre GL JS.

paperoffice.ai/en/ai-map-tiles-api-vector-raster-maps-worldwide



MORE ABOUT THE MODULE

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