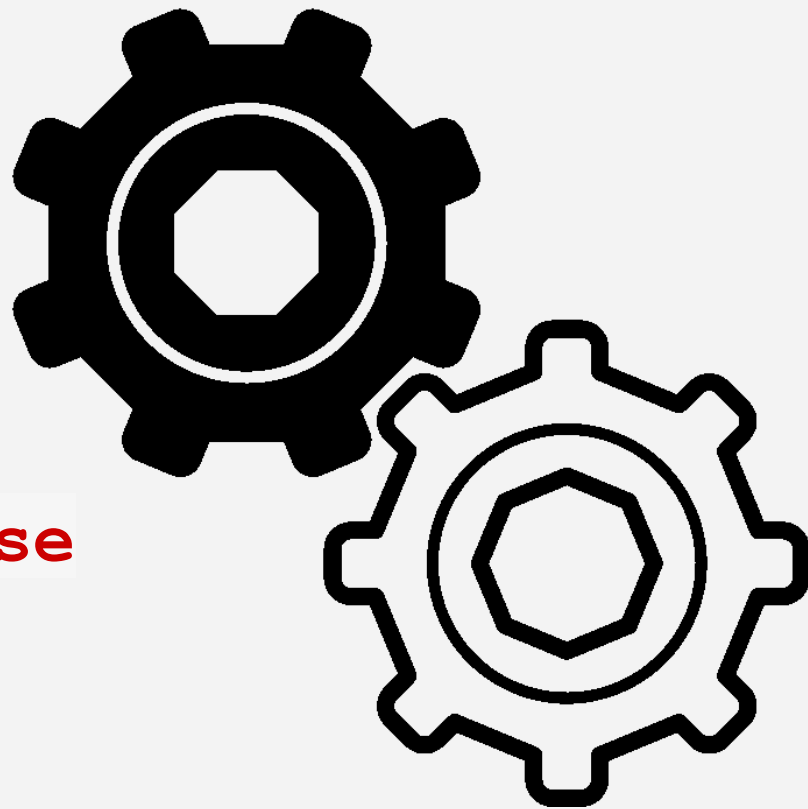


Clockwork Micro

Map tools that work like **Clockwork**

**Vector Tiles Directly
from a PostGIS Database
with db2vector**

Presented by
Brendan Farrell





Vector Tiles Directly from a PostGIS Database with db2vector

I have geospatial data in a postgresql
database (postgis). How can I **see** it?

How can I **share** it?

Vector Tiles

Vector Tiles:

- Partition the world according into squares based on zoom level (tiles).
- Pack content in a compressed, minimal format (vector) as opposed to images.
- Content is then presented according to a style by a browser.





Vector Tiles and Postgresql

The postgis extension for postgresql now can create tiles:

- ST_AsMVTGeom: clips to MapBox Vector Tiles.
- ST_AsMVT: collects geometry and data fields into vector tile.

What else is there to do?

db2vector: create a vector tile endpoint that creates tiles directly from the db

The screenshot shows the Clockwork Micro Map Tools interface. The top navigation bar includes 'Clockwork Micro Map Tools', 'Services', 'Help Center', 'Pricing', 'Documentation', 'Blog', 'Map Tools', and a user profile for 'Brendan Farrell'. Below the navigation bar, there are tabs for 'Filetler', 'DB2Vector', 'Simple Styler', and 'Map Stacker'. The main content area is titled 'Tile Sources' and features a '+ New Tile Source' button. Two tile sources are listed:

- brazil_from_autotool**
ID: 2c2abdd9-0690-4cfe-9a22-5949b6e1e681
Connection: demodb
Endpoint: [dropdown]
Query: [dropdown]
- counties_tx**
ID: 60f91bba-d5ab-4e6b-988d-3a7bc2a4a221
Connection: demodb
Endpoint: [dropdown]
Query: [dropdown]

Each tile source has 'Edit', 'Create Style', and 'Delete' buttons.

db2vector:

- Select schema/table
- Choose fields and generate query
- Or, write your own query.

demodb (0e8f6005-f38a-43d2-a637-d1a7085b628c) Test Connection

This is a valid database connection.

I will write my own query

Query *

Get Schemas From Database

Select A Schema: demo Get Tables From demo

Select A Table: brazil_states Get Columns From brazil_states

Check All

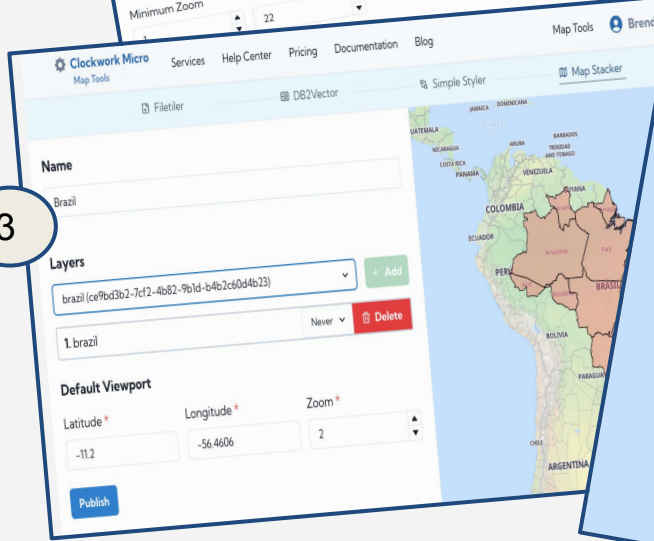
- id
- geom
- featurecla
- scalerank
- adm1_code
- diss_me
- iso_3166_2
- wikipedia

Generate Default Query

1 Reformat

Map Tools:

1. Visualize vector tiles
2. Style
3. Add to map
4. Share



Key Ideas

- PostGIS can create Vector tiles
- db2vector provides connection between steps
- No coding needed
- Can be used to view data while working with it
- Can easily create and share web maps



Thank you!

See you again soon