TileMill Mapbox Studio Fundamentals

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Introduction

- Mapbox
- Presenters
- Mapbox Studio
- This workshop



Mapbox Studio

- Create & publish custom styles
- Create & publish custom sources
- Leverage Mapbox rendering
 - In-app or on our web backend
 - Serves rasterized map tiles

Download & Install

- mapbox.com/mapbox-studio
- Cross-platform
 - Windows, OS X, Linux
- One-click app launcher



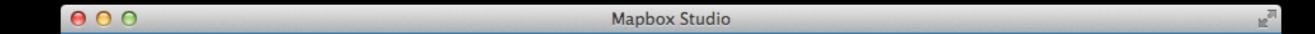
Signup

- Starter account ok for vector tile access
 - \$0 / 3,000 map views (45k tiles) per month
- But Standard or above needed for publishing
 - \$49 / 100k map views (1.5M tiles) per month
 - Use coupon discount code FOSS4GSTUDIO for 3 free months

Signup

- mapbox.com/signup
- Coupon: FOSS4GSTUDIO





Mapbox

Connect to your Mapbox account to get started.









Mapbox

Authorize your account



Mapbox Studio will be able to read and write to maps in your account.



Mapbox Studio will not be able to access your password or other private information.

You can revoke this authorization at any time from your Account page.

Deny

Allow

Not Justin Miller? Sign out

Setup Break

Projects: Styles & Sources

- Mapbox Studio is just as much a data editor as it is for styling
- We'll start with styling Mapbox Streets, a vector tile source
- We'll get into custom sources a little later

Interface Tour

CartoCSS

- CartoCSS is code
 - Very much like CSS
- Through (light) code, you style sources

```
#borders {
   line-color: #fff;
   line-width: 3;
}
```

Symbolizers

- Line (for lines & polygons)
- Polygon (for polygons)
- Point (for points)
- Text (for points, lines, and polygons)
- Shield (for points & lines)

- Line Pattern (for lines & polygons)
- Polygon Pattern (for polygons)
- Raster (for rasters)
- Markers (for points, lines, & polygons)
- Buildings

Commenting Code

- Surround code with /* and */
 - Works for multiple lines, too
- Preface code with //
 - Works for single lines only

Using Variables

Variables for features

```
@water: #000;
```

Variables for scale or zoom

```
@z1: 1.5;
```

Styling Demo

Styling Break

Sources

- Sources are packages of data
- You can use custom, local sources
- But you can also upload them to Mapbox
 - Able to be used in published styles
 - Highly optimized into vector tiles

Supported Formats

Shapefiles

VRT

GeoJSON

KML

SQLite geo DBs

GPX

PostGIS DBs

CSV (with lat & lon)

GeoTIFF (raster)

Geodatabase

Source Demo

tinyurl.com/cartskml

Source Break

For More Info

- mapbox.com/mapbox-studio
- Email help@mapbox.com
- irc.freenode.net #mapbox
- Email justin / rafa / dane@mapbox.com

