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# **Read the Docs Template Documentation**

***Release 1.0***

**Read the Docs**

**Jul 15, 2023**



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Contents:



## 1.1 Overview

This script is for building a basic tile server with OpenStreetMap data

## 1.2 Authors

- David Ghedini
- Kaloyan Petrov
- Cited, Inc

## 1.3 Components

<https://www.openstreetmap.org>

<http://www.geofabrik.de/>

<http://mapnik.org/>

<http://openlayers.org/>

<http://leafletjs.com>

<http://www.postgresql.org/>

<http://postgis.net/>

<https://github.com/gravitystorm/openstreetmap-carto>

<https://github.com/mapbox/osm-bright>





This script is for building a basic tile server with OpenStreetMap data.  
Only for use on a clean Ubuntu 14, Ubuntu 16, or Ubuntu 18 install!!

### 2.1 Features

- Load OSM Data
- Load OSM data (city, country, continent or planet).
- Postgres, PostGIS, and osm2pgsql
- Installs Postgres, PostGIS, and osm2pgsql.
- Installs and configures Apache for http or https
- Mapnik, mod\_tile, and renderd
- OSM-carto or OSM-bright
- OpenLayer and Leaflet example page.

### 2.2 Installation

Step 1: Get opentileservr.sh script from GitHub

Step 2: Make it executable:

```
$ chmod 755 opentileservr-ubuntu-xx.sh
```

Step 3 (for non-Latin alphabet)

If using a non-Latin alphabet, uncomment line 24 below if needed:

```
$ export LC_ALL=C
```

See <https://github.com/AcuGIS/opentilesserver/issues/4>

Step 4: Run the script:

```
$ ./opentilesserver-ubuntu-xx.sh [web|ssl] [bright|carto] pbf_url
```

## 2.3 Options

```
[web|ssl]: 'web' for http and 'ssl' for https  
[bright|carto]: 'carto' for openstreetmap-carto or 'bright' for openstreetmap-bright  
pbf_url: Complete PBF url from GeoFabrik (or other source)
```

## 2.4 Examples

Load Delaware data with openstreetmap-carto style and no SSL:

```
$ ./opentilesserver.sh web carto http://download.geofabrik.de/north-america/us/  
↪delaware-latest.osm.pbf
```

Load Bulgaria data with openstreetmap-bright style and SSL:

```
$ ./opentilesserver-ubuntu-xx.sh http://download.geofabrik.de/europe/bulgaria-latest.  
↪osm.pbf bright
```

Load South America data with openstreetmap-carto style and SSL:

```
$ ./opentilesserver-ubuntu-xx.sh ssl carto http://download.geofabrik.de/south-america-  
↪latest.osm.pbf
```

## 2.5 Welcome Page

Once installation completes, navigate to the IP or hostname of your server.

You should see a page as below:



Leafletjs Example



OpenLayers Example

Click on both the OpenLayer and Leaflet Examples and check your installation is rendering

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[Cited, Inc. Wilmington, Delaware](<https://citedcorp.com>)

## 2.6 Contribute

- Issue Tracker: [github.com/AcuGIS/OpenTileServer/issues](https://github.com/AcuGIS/OpenTileServer/issues)
- Source Code: [github.com/AcuGIS/OpenTileServer](https://github.com/AcuGIS/OpenTileServer)

## 2.7 Support

If you are having issues, please let us know. We have a mailing list located at: [project@google-groups.com](mailto:project@google-groups.com)

## 2.8 License

The project is licensed under the BSD license.



## CHAPTER 3

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### Usage

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Tile urls have the form ‘`http://host/osm_tiles/{z}/{x}/{y}.png`’:

```
http://192.83.58.10/osm_data/{z}/{x}/{y}.png
```

```
http://domain.com/osm_data/{z}/{x}/{y}.png
```



## CHAPTER 4

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