

GEOINT DATA EXPLORER

About DATA included in the app
Optional Offline and Online Connected
Services



Supported Offline Formats

Shapefile Zip

GeoJSON

KML

CSV

MBTILES - vector tiles &
raster tiles

OSM MBTILES

Mbtiles for Elevation

GPKG - GeoPackage Vector
Features and Raster Tiles

GeoTagged Photos

JSON Catalog

Supported Online Formats

Raster Tiles (XYZ/TMS & OGC
WMTS)

ESRI Feature Layer
(FeatureServer)

Vector Tiles (PBF/MVT from
XYZ URL)

MapZen Terrarium Elevation

OGC WMS

ESRI Dynamic Map
(MapServer)

ESRI Tile Map (Cached Map
Server/Image Server)

Open Map Tiles Data

Open Street Map Vector Tiles

For each Country

Contour Lines Vector Tiles

We have this data ready!

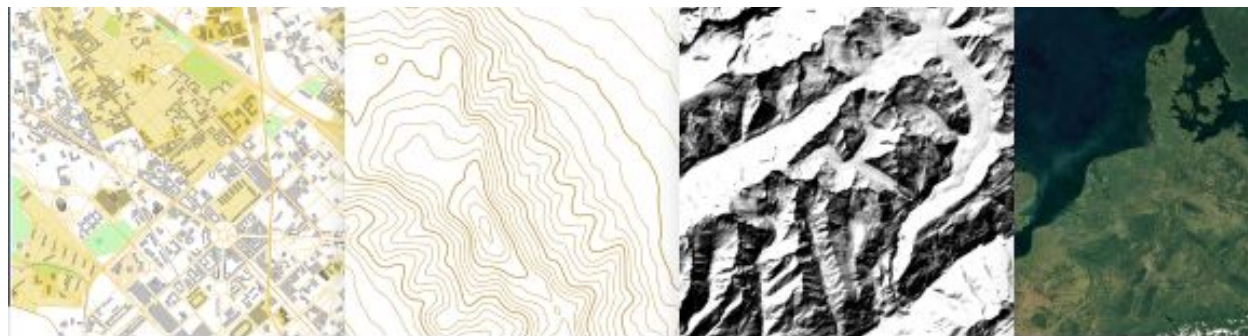
Hillshade Raster Tiles

In optimized mbtiles format with a Style Picker.

Satellite Imagery Raster Tiles
(0-13)



This control works with both the default internet connected vector tile Open Street Map basemap (from OpenMapTiles hosted by Tech Maven Geospatial) as well as the optional offline data. The app includes support for the following Styles - Bright, Toner, Positron, Dark Matter, Klokantech, Klokantech3D. And 3 styles for use with other basemaps below the OSM vector tiles so those styles have Opacity settings/transparency for the polygons (Bright, Dark Matter, and Klokantech)

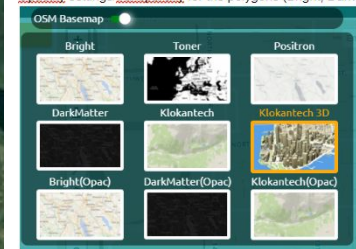


OpenStreetMap

Contours

Hillshade

Satellite



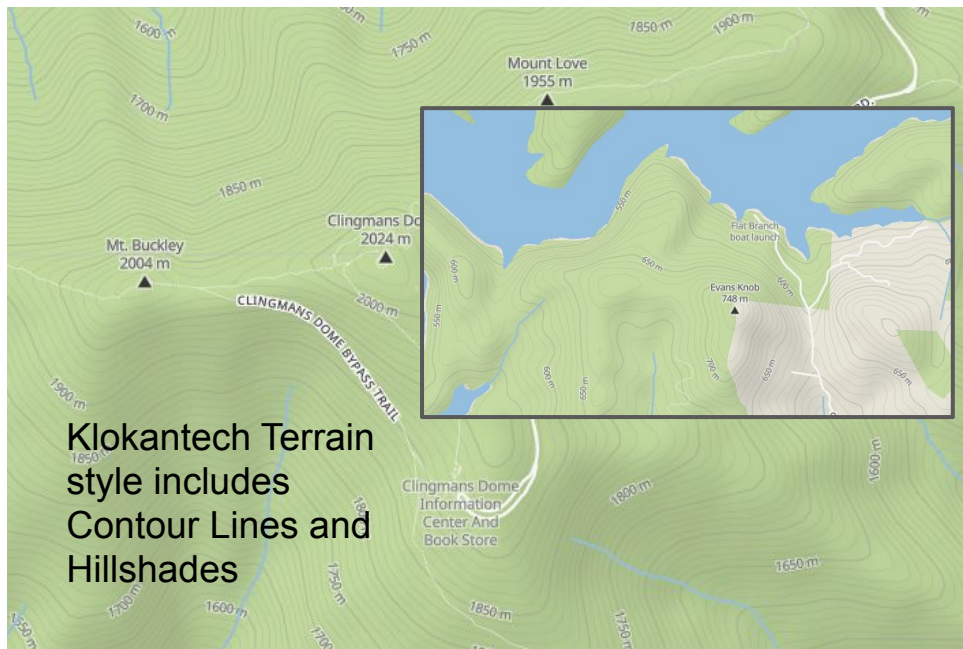
Note there is a toggle to turn off the OSM Basemap. If you load a Raster Tile Basemap from the Basemap Picker you will NOT see it unless you've either turned off the OSM Basemap or switched the style to one with Opacity

Highly Optimized Foundational Base Data

Open Street Map data as Vector Tiles (pbf)

<https://openmaptiles.org/schema/>

*Future releases of the app will support loading your own custom
STYLE*



Klokantech Terrain
style includes
Contour Lines and
Hillshades

The vector tile schema describes how the vector data is organized into different thematic layers and which attribute and values each layer contains. This is useful for writing a map style and allows for alternative implementations of a schema.

The OpenMapTiles schema is open (CC-BY) and you are free to use, extend or [build upon the existing implementation](#) (BSD license). Please reference OpenMapTiles if you build upon the schema.

The vector tile schema has been developed by [Klokantech Technologies GmbH](#) and was initially modelled after the cartography of the [Carto Basemap Positron](#). The vector tile schema has been refined and improved in cooperation with the [Wikimedia Foundation](#) and is heavily influenced by the many years Paul Norman's experience of creating maps from OpenStreetMap.

Open Street Map derived data with Styling and Data from **Stamen** and **Thunderforest**

Tech Maven Geospatial has OSM Planet PBF extract and process to build worldwide raster tiles and style the data in many ways and include other elements and layers.

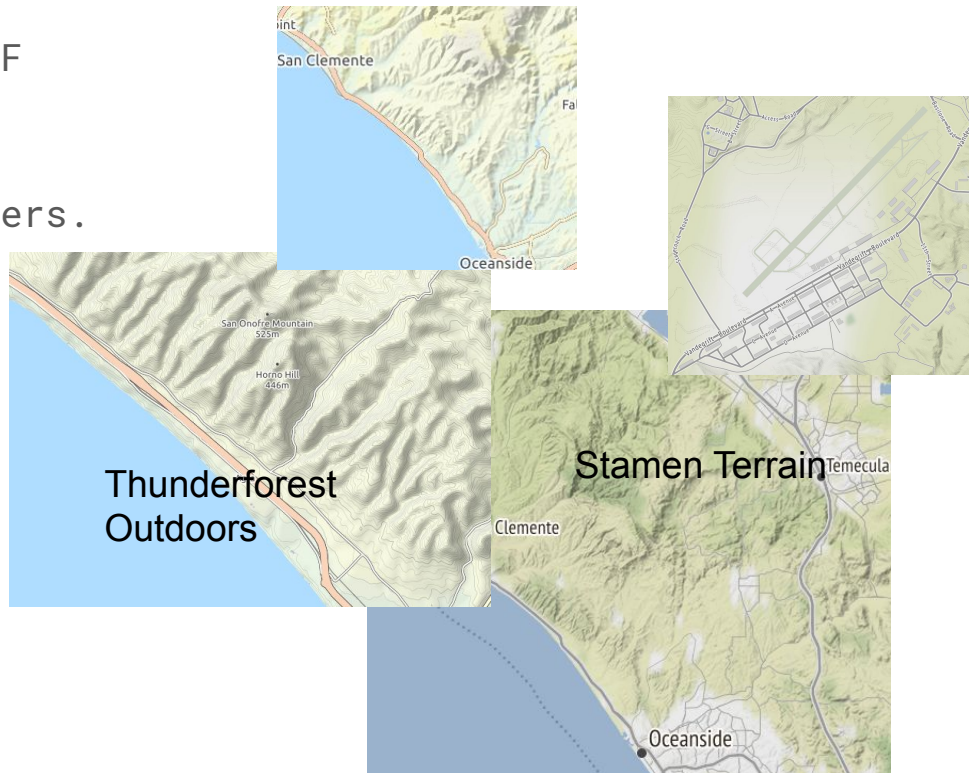
We've included:

Stamen Terrain Background Raster Tiles

Stamen Reference Lines Raster Tiles

Stamen Reference Labels Raster Tiles

Thunderforest Outdoors Raster Tiles



Elevation Tiles

Tech Maven Geospatial has included for each Country in MBTILES format or online streaming service MapZen created Terrarium Elevation Tiles

<https://registry.opendata.aws/terrain-tiles/>. This is elevation data that has been encoded in RGB of PNG Raster Image. The app is able to show Spot Elevation and Terrain Profile View. In future releases, we will do 3D Visualization with this data.

The range of the elevation data
(-11000 to 8900 meters)

Online Services

Add Layer Menu - supports loading data configured via the JSON CATALOG

USGS National Map Layers

NexRad Weather Radar, Satellite (GEOS, Global Imagery Mosaic, etc)

Political Boundaries

Transportation

Structures

Hydrology

Vector Tile Layers (internet services hosted by Tech Maven Geospatial)

International Boundaries

Timezones

Military Bases and Ranges

Zip Codes

US State Borders

MGRS GRID

PlaceNames

Cities

Global Area Reference
System (GARS)

Urban Areas

OpenMapTiles - Contours,
Hillshade

Color ETOP0