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## Map Commands

### Map Layers

Map layer is a simple string format that allows you to pass in information about a map layer.

It can contain the following properties:

- **layertype** = The type of layer (layer, raster, tile)
  - For layer layertype, you can use the same key value pairs used to specify a Workspace.
  - For raster layertype, you specify a source=file key value pair.
  - For tile layertype, you use the same key value pairs used to specify a Tile layer.
- **layername** = The name of the Layer/Raster/Tile
- **layerprojection** = The Projection
- **style** = The SLD, CSS, or other style

Examples:

- **Vector Layer**
  - **layertype**=layer      **dbtype**=geopkg      **database**=/Users/user/Desktop/countries.gpkg  
    **layername**=countries **style**=/Users/user/Desktop/countries.sld
  - **layertype**=layer      **file**=/Users/user/Desktop/geoc/polygons.csv      **layername**=polygons  
    **style**=/Users/user/Desktop/geoc/polygons.sld
  - **layertype**=layer      **file**=/Users/user/Desktop/geoc/points.properties  
    **style**=/Users/user/Desktop/geoc/points.sld
  - **layertype**=layer **file**=/Users/user/Projects/geoc/src/test/resources/polygons.shp
  - **layertype**=layer      **directory**=/Users/user/Projects/geoc/src/test/resources/points.properties  
    **layername**=points
- **Raster**
  - **layertype**=raster **source**=rasters/earth.tif
- **Tile**
  - **layertype**=tile **file**=world.mbtiles
  - **layertype**=tile **type**=geopackage **file**=states.gpkg

# Draw

Draw a map.

Short Name	Long Name	Description
-l	--layer	The map layer
-f	--file	The output image file
-t	--type	The type of document
-w	--width	The width
-h	--height	The height
-b	--bounds	The bounds
-g	--background-color	The background color
-p	--projection	The projection
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc map draw -l "layertype=layer file=src/test/resources/data.gpkg layertype=layer  
style=src/test/resources/ocean.sld" -l "layertype=layer  
file=src/test/resources/data.gpkg layertype=layer  
style=src/test/resources/countries.sld" -f target/map.png
```



## Map Cube

Draw a map cube.

Short Name	Long Name	Description
-l	--layer	The map layer
-f	--file	The output image file
-o	--draw-outline	The flag to whether to draw outlines or not
-t	--draw-tabs	The flag to whether to draw tabs or not
-s	--tab-size	The tab size
-i	--title	The title
-c	--source	The data source or credits
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc map cube -l "layertype=layer file=src/test/resources/data.gpkg layertype=layer  
style=src/test/resources/ocean.sld" -l "layertype=layer  
file=src/test/resources/data.gpkg layertype=layer  
style=src/test/resources/countries.sld" -o -f target/cube.png
```



Draw a blank map cube.

```
geoc map cube -o -f target/cube_blank.png
```

