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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
```

