

Tutorials

Design

- [Design](#) The structure of Mapbuilder, a good starting place for understanding how Mapbuilder works.


Configuring Mapbuilder

- [Modifying the Basic Examples](#) How to modify the basic examples in the 1.5 release.
- [Controlling Widget Output](#) How to use configuration properties for widget output.
- [Add WMS Tutorial](#) Adding a new WMS layer to your map.
- [WFS Tutorial](#) Creating a Web Feature Service (WFS) client for feature entry.
- [Changing Install Directory](#) How to install Mapbuilder into another directory structure.
- [Using template models](#) Using template models for dynamic configuration.
- [Using the WebServiceRequest tool](#) How to use the WebServiceRequest tool for generating OGC web service requests.
- [Using OGC Filter models](#) How to use OGC filter expressions for generating requests.
- [Compressing Mapbuilder](#) How to use the rhino compressor (/lib/util/custom_rhino.jar)
- [SLD Editor tutorial](#) How to use sld editor
- [Using Google-layers](#) How to add Google, Virtual Earth or Yahoo layers to a 1.5RC1+ application
- [Upgrading from pre-1.5](#) How to upgrade configurations file when updating from pre-1.5 releases.

Extending Mapbuilder

- [Add Widget Tutorial](#) Create a new Mapbuilder widget.
- [Add Button Tutorial](#) Create a new Mapbuilder button (also known as a tool).
- [Adding a new projection](#) A bit of information from email about adding new projections.
- [Add a new library](#) How to add an external library.
- [Add Translations](#) Add new translations to Mapbuilder.
- [Search Datasource](#) Search a new datasource or capabilities document in the Catalog demo.

Development

- [Debugging](#)
- [Acceptance Tests using Selenium](#)
-  [Building a Web App from Scratch](#) details the entire process of building a full map-enabled web page.

General Mapping Resources

-  [Open Web Mapping Course Notes](#) from PennState University. Covers WMS, WFS, GML, SLD and building a Webmapping application using Geoserver and Mapbuilder.

System Administration

- Notes for hosting at OSGeo are covered at [OSGeo Mapbuilder Hosting](#)