



Workshop Title: Getting Started with MapServer



Workshop Summary: MapServer is the engine behind so many web services today, offering fast and flexible publishing and sharing of spatial data. Underneath the hood, MapServer offers many powerful and advanced features that many users never dig into, and new features are being added constantly. Come learn hands-on about some of the more advanced features of MapServer, from extending OGC services to exporting data to GDAL file formats to very complex symbology and labeling. Learn simple and advanced use cases and debugging techniques for some of these advanced features from a passionate presenter with almost 20 years of MapServer experience!

Duration: 4 hours

Audience Level: all

Presenter: Jeff McKenna, Gateway Geomatics

About Jeff McKenna: Jeff is a longtime Project Steering Committee (PSC) member of the MapServer project, as well as the lead of its documentation. Jeff has been giving MapServer workshops as far back as 2003 all over the globe, and brings passion and enthusiasm to helping users share their geospatial information through Open Source software and Open Standards. Jeff is also the President Emeritus of the Open Source Geospatial Foundation (OSGeo).

About Gateway Geomatics: Gateway Geomatics is a small company from the East Coast of Canada who develops and maintains the popular MapServer for Windows (MS4W) installer, to help both new and power users of MapServer, the fastest mapping engine in the world. MS4W is downloaded 6000 times per month from <http://ms4w.com>

Workshop Outline:

- Introduction: MapServer history & features
- Installation
- Connecting to data sources (such as OpenStreetMap)
- Advanced Symbology and Labels
- Tips and tricks
- Implementing OGC web services
- Caching through MapCache



- Front-end Applications

Technical Requirements:

For Case of Workshop lab with desktop machines provided (preferred):

- as Administrator, install the latest exe installer from <http://ms4w.com> (install all package options during that installer)
- verify opening page is visible: <http://127.0.0.1>
- will also provide workshop materials to extract when closer to workshop date
- *important note:* it is preferred that each attendee has Administrator privileges on the machines during the workshop (as sometimes Apache changes require Admin rights)
- install a text editor (such as Notepad++ <https://notepad-plus-plus.org/>)
- install latest Chrome browser

For Case of Attendees bringing own laptops:

- we will assume the laptops are running Windows during the workshop
- installations can happen at beginning of workshop

Room Requirements:

- projector
- whiteboard
- power extension cords for attendees and presenter
- instructor desktop machine (preferred, or else can use own laptop)