



# Mastering GeoServer

*Colin Henderson*

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**Mastering GeoServer** Colin Henderson

**A holistic guide to implementing a robust, scalable, and secure Enterprise Geospatial Data Hosting System by leveraging the power of GeoServer**

## About This Book

- Exploit the power of GeoServer to provide agile, flexible, and low total-cost community projects
- Explore the many different ways that vector and raster data can be exploited to deliver great looking maps
- Extend GeoServer's functionality by understanding techniques to work with advanced production system configuration, monitoring, and security

## Who This Book Is For

If you are a GIS professional who intends to explore advanced techniques and get more out of GeoServer deployment rather than simply delivering good looking maps, then this book is for you.

## What You Will Learn

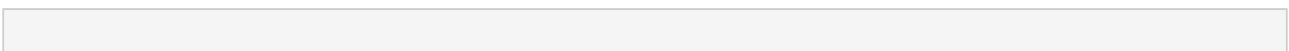
- Install GeoServer in a production environment to make it robust and scalable
- Optimize and exploit your vector and raster datasets from a range of data storage options
- Serve data that conforms to complex schemas
- Utilize proxy data requests to enhance server capabilities or secure data services
- Create great looking maps through alternative approaches for styling and web printing services
- Exploit the spatial analysis capabilities of GeoServer through scripting
- Integrate GeoServer in your corporate security mechanisms
- Monitor the performance and health of your GeoServer instance and optimize it for the production phase

## In Detail

Whether you have used GeoServer before or are just starting out with it, this book will give you the skills and knowledge to unlock the value of your spatial information and deliver great looking maps.

This book will take you on a journey from installing GeoServer in a production environment through to securing and optimizing it so it's ready for use. Along the way, you will learn how to optimize your raster data for efficient delivery, exploit data stored in a spatial database, style data to create great looking maps, use GeoServer as a proxy, create scripts to perform spatial analysis, and monitor the health of your server.

Consequently, if you are looking to unlock the potential of GeoServer to deliver powerful desktop and mobile web mapping solutions that exploit spatial and location-based data, the tutorials inside this book will meet your needs for a detailed solution.



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