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Titolo	GeoServer beginner's guide [[electronic resource]] : share and edit geospatial data with this open source software server // Stefano Iacovella, Brian Youngblood
Pubbl/distr/stampa	Birmingham, : Packt Pub., 2013
ISBN	1-299-26140-X 1-84951-669-3
Descrizione fisica	1 online resource (350 p.)
Collana	Community experience distilled
Altri autori (Persone)	YoungbloodBrian
Disciplina	005.72
Soggetti	Geospatial data Computer-aided design Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Authors; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: GIS Fundamentals; What is GIS about?; The foundation of any GIS - spatial data; Measuring the world; Projecting a sphere on a plane; Understanding coordinate systems; Commonly used coordinate systems; Universal Transverse Mercator system; Web Mercator; Spatial Reference Identifier (SRID); Representing geometrical shapes; Modeling the real world with raster data; Representing the world; Time for action - explore OpenStreetMap; Adding more colors to your maps Choropleth mapsProportional maps; Time for action - make your thematic map; Summary; Chapter 2: Getting Started with GeoServer; Installing Java; Time for action - checking the presence of Java on Windows; Time for action - checking the presence of Java on Ubuntu; Time for action - installing JRE on Windows; Time for action - installing JRE on Ubuntu; Installing Apache Tomcat; Time for action - installing Apache Tomcat on Windows; Time for action - installing Apache Tomcat on Ubuntu; Time for action - configuring Tomcat as a service on Ubuntu; Installing GeoServer Time for action - deploying GeoServer on TomcatImplementing basic security; Time for action - improving security settings; Summary;

Chapter 3: Exploring the Administrative Interface; Understanding the interface; About & Status; Server Status; Locks; Connections; Memory Usage; JVM Version and fonts; JAI usage and configurations; Update Sequence; Resource Cache; Configuration and catalog; GeoServer Logs; Contact Information; About; Time for action - manually reloading configuration; Data; Layer Preview; Time for action - OpenLayers preview; Time for action - KML preview; Workspaces
Time for action - creating a workspaceStores; Layers; Layer groups; Styles; Services; WMS; Time for action - limiting the SRS list from WMS; WFS; WCS; Settings; Global; Verbose Reporting; Enable Global Services; Proxy Base URL; Logging Profile; Log to StdOut; Log location; Time for action - changing your logging configuration; JAI; Tile Caching; Security; Settings; Users, Groups, and Roles; Data; Catalog security; Services security; Demos; Time for action - exploring Demo requests; SRS List; Time for action - filtering the projection list; Summary;

Chapter 4: Accessing Layers; Layer types
OpenLayersTime for action - exploring OpenLayers options; Working with tiles; Exploring the Web Map Service output formats; AtomPub; GIF; GeoRSS; JPEG; KML (Plain); KMZ (Compressed); PDF; PNG; SVG; TIFF; Web Feature Service; CSV; GML (plain text); GML2 (compressed GZIP); GeoJSON; Time for action - parsing GeoJSON; Shapefile; Extra output options; GDAL and OGR output; TEXT/HTML; Time for action - using the GetFeatureInfo freemarker template; Using WMS Reflector; Time for action - using WMS Reflector; Summary; Chapter 5: Adding Your Data; Configuring your data; Configuring vector data sources
Adding a properties file

Sommario/riassunto

Step-by-step instructions are included and the needs of a beginner are totally satisfied by the book. The book consists of plenty of examples with accompanying screenshots and code for an easy learning curve. You are a web developer with knowledge of server side scripting, and have experience with installing applications on the server. You have a desire to want more than Google maps, by offering dynamically built maps on your site with your latest geospatial data stored in MySQL, PostGIS, MsSQL or Oracle. If this is the case, this book is meant for you.
