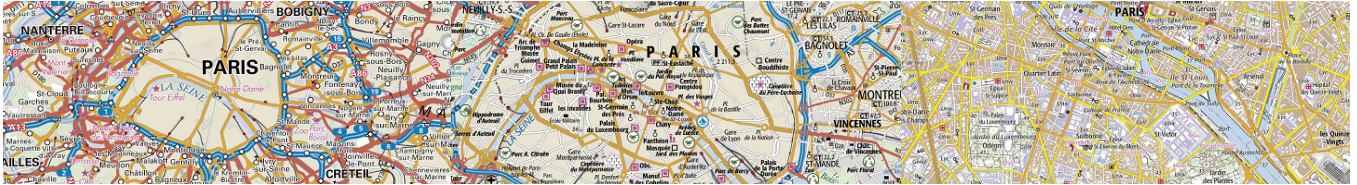


## What is GeoServer?

GeoServer is an open source Java-based server for publishing your geospatial data. GeoServer is designed for interoperability, publishing from any major spatial data source using Open Geospatial Consortium (OGC) standards.



## Easy to Install, Ready to Use

GeoServer is ready to use out of the box with standalone installers for Mac and Windows, a ready-to-run Linux bundle, and a web archive for enterprise use. It provides a web administration program with screens to configure data access, layer publication, and styling. Administrators are offered a full range of integration and security options.

GeoServer is ready to work with your organization providing:

- A comprehensive GUI for simplified administration
- Strong format support to work with your data
- Database support including PostGIS, DB2, SQL Server, and extensions for the latest cloud databases
- Ability to cascade map, feature, and tile web services
- Fine-grained control of access to individual services and per layer permissions
- Enterprise security with built-in integration for LDAP, CAS and Active Directory
- REST API for automating GeoServer deployment.
- Many extensions for additional format and services

## Create Beautiful Maps

Bring your cartography to the world with GeoServer Web Map Service (WMS). GeoServer rendering features:

- Fast vector data rendering enabling you to work with all your data
- Visualize raster data with band selection and normalization, fine tuned color maps, and time based animations
- Powerful label composition performing dynamic collision avoidance under your control
- Styling configured using industry standard OGC Style Layer Descriptor files, or your choice of CSS, JSON or YAML.
- Go beyond the standard with powerful rendering transformations that can preprocess your data for great effects like heat maps and contour lines
- Full range of interlayer special effects with alpha blending and grouping options

## Share Features Online

Go beyond simple maps with GeoServer Web Feature Service (WFS).

- Incorporate your data into websites, mobile and applications
- Our standards support provides a wide selection of clients, toolkits and libraries
- Access your information in standard GML, KML, and JSON formats, or look to our extensions for shapefile, excel, and more.

GeoServer offers WFS-Transactional for online editing, and Web Processing Service (WPS) for online analysis.

## Direct Raster Access

Share your raster data with full Web Coverage Service (WCS) support.

- Provide clients with direct access to raster data and imagery
- Explore advanced features including time, elevation and n-dimensional raster support.
- Additional support provided for MetOc and Earth Observation data

We also provide Web Processing Service (WPS) access to raster information allowing you to perform analysis on the server.

## Free, Open Source and Supported

GeoServer is free software with all the benefits of an open source license and vibrant community.

- Free lowers the financial barrier and avoids costly per-seat license agreements as your use grows.
- Our Open Source GPL License provides a better relationship than proprietary GIS products protecting you from vendor lock-in.
- A strong online community of users and developers provides peer support from all over the world, balanced with commercial training and support options for your team.
- GeoServer is structured as an OSGeo project with transparent communication, an open issue tracker and regular releases.

Free your data, free yourself, use GeoServer.