

**GeoServer is a robust and proven solution. Mature open source software, battle-tested in over 80 countries and in large-scale deployments such as MassGIS and Portland TriMet.**

Spatial data is no longer constrained to portal-bound 2D maps. When you're looking to take full advantage of the emerging Geospatial Web, it is important to know the simplest, most effective place to begin.

GeoServer takes you there quickly, reliably and securely. GeoServer frees your data beyond the map, making it **instantly accessible** for mash-ups on slippy maps like Google Maps and OpenLayers, for **new visualizations** on virtual globes like Google Earth and NASA World Wind, and on **traditional desktop GIS** like ArcMap and uDig.

Built on Java Enterprise Edition, GeoServer works **seamlessly across platforms** including Windows, Mac OS X, and Linux and has the ability to take advantage of 64-bit architectures with no additional configuration. It is **easy to install and deploy**, and it offers a completely web-based administration system, along with **built-in security** to protect your data when needed.

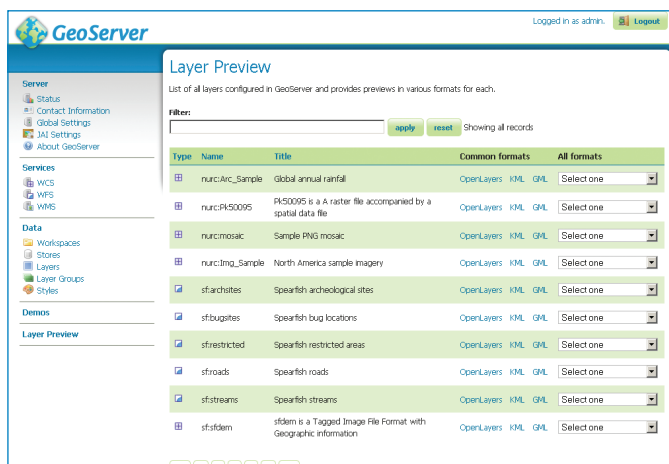
EXPORT TO :

[OpenLayers](#) | [GeoExt](#) | [Google Earth](#) | [GeoWebCache](#) | [more...](#)



IMPORT FROM :

[PostGIS](#) | [ArcSDE](#) | [Oracle Spatial](#) | [MySQL](#) | [DB2](#) | [Shapefiles](#)  
[GeoTIFF](#) | [MrSID](#) | [JPEG2000](#) | [ArcGrid](#) | [DTED](#) | [GTOPO3](#) | [and more...](#)



Type	Name	Title	Common formats	All formats
<input type="checkbox"/>	nurc:Arc_Sample	Global annual rainfall	OpenLayers KML GML	Select one
<input type="checkbox"/>	nurc:R50095	R50095 is a R raster file accompanied by a spatial data file	OpenLayers KML GML	Select one
<input type="checkbox"/>	nurc:mosaic	Sample PNG mosaic	OpenLayers KML GML	Select one
<input type="checkbox"/>	nurc:img_Sample	North America sample imagery	OpenLayers KML GML	Select one
<input checked="" type="checkbox"/>	st:archsites	Spearfish archeological sites	OpenLayers KML GML	Select one
<input checked="" type="checkbox"/>	st:bugsites	Spearfish bug locations	OpenLayers KML GML	Select one
<input checked="" type="checkbox"/>	st:restricted	Spearfish restricted areas	OpenLayers KML GML	Select one
<input checked="" type="checkbox"/>	st:roads	Spearfish roads	OpenLayers KML GML	Select one
<input checked="" type="checkbox"/>	st:streams	Spearfish streams	OpenLayers KML GML	Select one
<input type="checkbox"/>	st:tdem	tdem is a Tagged Image File Format with Geographic information	OpenLayers KML GML	Select one

GeoServer 2.0 features a completely new user interface designed for greater ease of use.

## High-Performance Across Platforms

### IMPRESSIVELY SCALABLE

Built to handle your most extreme demands.

GeoServer takes advantage of multiple processors and multi-core chip architectures to make the most of each machine and can be clustered across multiple computers.

Works with enterprise application servers like JBoss, WebSphere, GlassFish, Geronimo and WebLogic, and cooperates with your load balancing and distributed processing techniques.

### EXCEEDINGLY FAST

Gold-standard performance web mapping.

Transforms raw data at 10+Mbytes/second to enable completely streaming output for GML through WFS.

An incredibly responsive renderer combined with GeoWebCache integration provides high performance tiled mapping with both static and dynamic data.

Leverages the industry standard GDAL, Java Advanced Imaging and Image I/O libraries to deliver MrSID, DTED, Erdas Imagine, ECW, JPEG2000 and NITF with speed.

### REASSURING SECURITY

Protect your data as needed.

Easily integrates with your existing authentication methods and systems to work with your existing security settings and user database.

Leverages Acegi, a security framework for comprehensive authentication, authorization, instance-based access control, channel security and human user detection capabilities.

## Get the Most from Your Data

### NO OTHER SUPPORTS OGC STANDARDS SO EASILY

The most standards compliant open source server.

As 'standard by default', GeoServer allows you to configure your data once and have it available as WMS, WFS, WCS, GeoRSS, KML, SVG, GeoJSON, and more.

Funded by Google to be the first server to output KML and participated in the OGC OWS-5 testbed to contribute to turning KML in to an open standard.

### KEEP YOUR CURRENT DESKTOP GIS

Provides connectivity with traditional Desktop GIS through the WMS and WFS standards.

Has standard features and extensions to connect directly with proprietary applications like ArcMap, CadCorp, and MapInfo.

Works with open source options like uDig and gvSIG.

## Explore the Latest Innovations

### SET UP SHOP ON GOOGLE EARTH

The best way to get large datasets onto Google Earth.

Has features that no other server products support, such as 'super-overlays', extrusion (2.5D), time visualization and custom-templated output derived from multiple data sources.

KML innovation continues with advanced support for raster and vector based 'super-overlays' and default exposure of configured datasets to Google Maps and Earth Geo Search. GeoServer remains the most efficient and scalable way to bring your data to Google Earth.

### SAFELY EDIT THROUGH THE WEB

Fully supports the 'Transactional' portion of the WFS specification, enabling fully atomic changes to your backend database through the web.

Edit through the web is possible now, against PostGIS, ArcSDE, Oracle Spatial and DB2 databases.

Use tools that support live editing, including OpenLayers, uDig, and ArcGIS with add-on modules.

Built-in 'Locking' prevents conflicting edits, while 'Versioning' records and displays edits and enables a rollback of undesired changes.

### BEAUTIFUL VISUALIZATIONS AND USER EXPERIENCE

Standards-based approach allows integration with compelling front end applications like OpenLayers, a great open source slippy map toolkit.

Supports OpenLayers as a default AJAX viewer. This integrated client enables quick, customizable visualizations.

**GeoServer was founded in 2001 by OpenGeo as an open source software project to implement and promote open standards. Over time, a vibrant open source community has grown to contribute more features, performance enhancements, and bug fixes than one company could ever achieve alone—giving you the features you seek with the performance you need. GeoServer will soon enter OSGeo incubation.**

