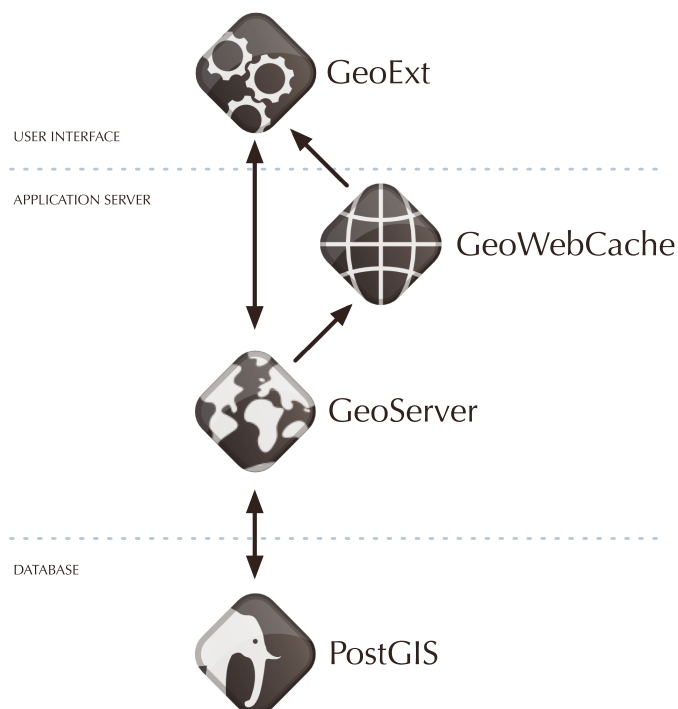


The OpenGeo Suite

Enterprise Ready: Supported, Tested, Integrated

The OpenGeo Suite is the fully integrated open source geospatial platform for serving maps and data through web applications, mobile devices, and desktop clients. Because of its modular design, users can plug individual components into existing infrastructure to modernize and extend the life of legacy systems. The OpenGeo Suite is ideal for cloud and clustered deployments because there are no license fees. OpenGeo provides product support, training, and custom development to meet your enterprise geospatial requirements.



Architecture: Fast, Scalable, Flexible

Built on proven open source technology, the OpenGeo Suite is the ideal solution for building dynamic geospatial applications.

PostGIS provides a fast and capable database back-end for answering spatial and standard attribute queries.

GeoServer, a map and feature server, provides standardized web access to underlying GIS data sources and cartographic quality maps.

GeoWebCache intelligently stores and serves map tiles using standard web protocols to make map services scale.

OpenLayers is the de facto standard for custom web map clients, capable of consuming maps from multiple sources and providing tools for data editing and capture.

GeoExt, an Ext JS-based interface framework, includes standard UI components and bindings for spatial features for building browser-based applications with the look, feel, and functionality of desktop clients.

A key feature of the OpenGeo architecture is that any component of the architecture is interchangeable with other products. This feature extends the life of legacy software systems and increases return on investment.

PostGIS can be used for storage or substituted with Oracle Spatial, SQL Server Spatial, DB2 Spatial or ArcSDE.

GeoServer is interchangeable with MapServer, ArcIMS, MapGuide, or any other WMS-capable map renderer for web map access.

Also, GeoServer is interchangeable with Erdas Apollo Server, CubeWerx, or any other fully featured Web Feature Server (WFS).

GeoWebCache is interchangeable with TileCache, Google Maps, or Microsoft Bing tile caches.

GeoExt and OpenLayers can be swapped with Google Maps, Microsoft Bing, or other components.

The Open Source Advantage

OpenGeo fully supports our open source geospatial software stack, providing these benefits:

- No licensing fees, so you can deploy in cloud and clustered deployments as needed
- No dependence on vendors, as code is freely available
- Easy to customize to your requirements
- Clients have direct input into our product roadmap
- Expert advice straight from the developers
- Fast and transparent resolution of bugs

Specifications

Platforms

Operating Systems: Windows, Linux, Mac OS X, Solaris

Java: 1.5 and up

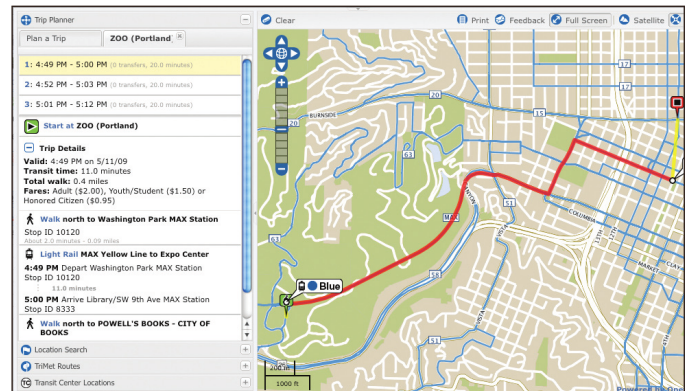
Application Servers: Jetty, Tomcat 5 and higher, OC4J, Weblogic, Websphere

OGC Compliance

- OGC reference WFS, WCS implementation
- Web Feature Server 1.0, 1.1 (including transactional)
- Web Map Server 1.1.1
- Web Coverage Server 1.1.0
- Styled Layer Descriptor 1.0.0
- Geography Markup Language 3.1.1
- Keyhole Markup Language 2.2
- Filter Encoding 1.1
- Web Map Context 1.1

Output Formats

Support for KML, GML, Shapefile, GeoRSS, GeoJSON, CSV, Excel, PDF, SVG, JPEG, GIF, PNG, and more.



Portland's TriMet transit agency uses an ExtJS-based map viewer on top of OpenLayers, GeoServer, and GeoWebCache to provide their customers with directions.

Supported Database, Vector, and Image Formats

- Oracle Spatial 10g and higher
- PostgreSQL with versions 8.1 and up (all platforms) or 8.2 and up (Windows)
- IBM DB2
- MySQL 5
- Microsoft SQL Server 2008
- ESRI ArcSDE 8.3 and higher
- ESRI Shapefile
- MapInfo MIF/MID
- Vector Product Format
- TIFF, GeoTIFF, BigTIFF
- ECW
- JPEG2000
- MrSID
- GTOPO30