

GeoMedia® WebMap – Version 6.1



GeoMedia® WebMap and GeoMedia WebMap Professional allow you to build powerful geospatial Web applications – either interactive Web sites or programmable Web Services. These Web applications provide real-time access to geospatial data that your enterprise maintains, or to geospatial data from any organization that makes it available

through industry-standard methods. GeoMedia WebMap brings the power of geospatial processing to the Web and the use of geospatial information into your workflow.

CUSTOMER BENEFITS

- Provides a fully-scalable server solution in the form of Web Services or Web sites (thin-client solutions), including enterprise data access, sophisticated geospatial analysis, and map generation
- Includes GeoMedia WebMap Publisher, which allows you to easily create and configure Web sites or Web Services – with no programming required
- Provides direct, real-time access to enterprise geospatial data, enabling you to build Web sites that provide thin clients with a powerful, dynamic, and open geospatial application previously available only on the desktop

FOCUS OF ENHANCEMENTS

Enhancements in this release build on the power of our GeoMedia suite and enable you to leverage the power of the Web.

- Create a Google Maps or Microsoft Virtual Earth “mashup” without having to learn your geospatial browser’s application programming interface.
- Take advantage of the geospatial browser’s base data – both imagery and vector.
- Integrate the geospatial browser data with your GeoMedia data, or with any data you can access through our GeoMedia data servers, including other Open Geospatial Consortium (OGC®) Web Services.
- Perform sophisticated geospatial analysis and view results overlaid in your geospatial browser’s map view.
- Use the same graphic user interface (GUI) you use with Google Maps or Virtual Earth – a modern Asynchronous JavaScript and XML (AJAX)

- GUI with zoom control and pan, as well as multiple data modes for map, satellite, and hybrid.
- Perform server-side tiling and caching, and then cache maps on the local client – so you pay the bandwidth price for loading a tile only once.
- Leverage Web Services provided in previous releases, including both OGC and SOAP/WSDL interfaces:
 - New Web coverage service enables the exchange of geospatial continuous spatial data, such as aerial photography, land cover, and elevation data (OGC WCS).
 - Reverse Geocode finds the address of a set of coordinates (SOAP/WSDL, OGC OpenLS [OLS] 1.1 Reverse Geocode Service).
 - OGC Catalog Service (CS-W) supports metadata that conforms to either the FGDC Profile or the ISO-19115 profile.
 - Upgraded **Generate Map** command supports OGC WMS 1.3.
 - Enhanced routing Web Service in WebMap Professional provides best order routing, finds closest routing, handles NAVTEQ and Tele Atlas data without building your own routing network, supports maneuvers, and supports Z-elevation.
 - Web Services for both dynamic segmentation and reverse dynamic segmentation allow basic linear referencing.
 - LRS precision location Web Service and overlay Web Service increase flexibility.
- Take advantage of new display pathway for higher-fidelity rendering:
 - Attribute-based symbology provides a mechanism for differentiating between features based on single or multiple attribute values.

- Translucency of all raster data and area color fill increases usability.
- The ability to identify different text features as you pan and zoom provides conflict detection.
- Additional thematics map types, such as dot density, bar charts, graduated symbols, and pie charts, provide you with more visual options.
- Symbology integration with desktop and mobile devices enables data sharing.
- Additional rendering features – such as text/symbol masking with a halo, user-defined area hatching, symbol and text display in a single legend entry, endcap and midline joint specification, user-defined styles, “none” as a color choice for linear graphic elements, and view-independent text and symbols – enhance map detail.
- Access an enterprise library for use with WebMap Publisher metadata and custom WebMap applications.
- Perform sophisticated grid analysis with GeoMedia Grid raster engine.
- Include Oracle georaster data in your workflow.
- Take advantage of two new data servers: geographics and MAP file.

PREVIOUS ENHANCEMENTS

Key focus areas of previous GeoMedia WebMap releases included these enhancements:

- Provided a Service-Oriented Architecture:
 - Support for Web Service industry standards – OGC, XML, SOAP, WSDL – gives you access to industry-standard Web tools.
 - Seamless integration with WebMap Publisher simplifies workflow.
 - Web Services for query and map generation, feature manipulation, routing, address geocoding, and catalog query leverage the power of the Web in the mapping environment.
- Added WebMap Publisher usability enhancements, including an easier-to-manage project-oriented GUI, Web site layout templates, Oracle or SQL-Server metadata option, enhanced zoom and pan commands, native SVG translucency, and MapText LabelWeb integration.

ABOUT INTERGRAPH

Intergraph Corporation is the leading global provider of spatial information management (SIM) software. Security organizations, businesses, and governments in more than 60 countries rely on the company’s spatial technology and services to make better and faster operational decisions. Intergraph’s customers organize vast amounts of complex data into understandable visual representations, creating intelligent maps, managing assets, building and operating better

plants and ships, and protecting critical infrastructure and millions of people around the world.

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