GeoMedia WebMap supports a broad range of customers needing to visualize and examine geographic data on the Web. From easily creating web services and interactive Web mapping applications to providing sophisticated, Web-based visualization and analysis of your enterprise’s valuable geographic information, GeoMedia WebMap enables users to build powerful geospatial Web applications that securely share your organization’s rich geospatial data.

**PUBLISH MAPS WITH THE CLICK OF A MOUSE**

Using GeoMedia® as a visual authoring environment, GeoMedia WebMap allows you to publish high-performance Web applications with a simple click of a mouse. Eliminating the need for programming, GeoMedia WebMap enables direct development of interactive web maps using the configuration and application creation tools provided in GeoMedia itself. You can configure the layout of your Web interface, as well as user-defined queries and other components, and provide direct, real-time access to your geospatial data. Users can simultaneously access multiple geospatial formats and view, query, and analyze geospatial data with no pre-publishing or translation required.

**COMPLEMENTS OTHER INTERGRAPH GEOSPATIAL PRODUCTS**

Intergraph’s geospatial product portfolio can be used together seamlessly to comprise a complete solution that geo-enables your entire enterprise. GeoMedia WebMap greatly enhances the GeoMedia Smart Client solution by providing broader access to various types of data, including web services and on-the-fly coordinate transformation capabilities. Integrating GeoMedia WebMap enables GeoMedia Smart Client to use OGC® web services (WMS, WFS) and expands direct file support by 40 formats.
Expanding the power of rapid image delivery across our product suite, raster backdrops based on the fast ECWP streaming protocol can be displayed in GeoMedia WebMap client applications, provided by ERDAS APOLLO. ECWP provides superior image delivery performance in comparison to any other image-serving solution on the market, and substantially reduces the volume requirements of the client cache.

GeoMedia WebMap utilizes Geospatial Portal as an integrated web client for web map publishing and also as the front end for users to view, analyze, capture, and update geospatial information. WebMap Publisher is built into the Geospatial Portal and provides easy web application creation from a GeoMedia GeoWorkspace.

**REAL-WORLD BENEFITS WITH GEOMEDIA WEBMAP**

- Bring the power of geospatial processing to Web users and mainstream the use of geospatial information and capabilities
- Maximize the value of your geographic information and capabilities by publishing it on the Web, providing employees, customers, and the public with fast and easy access to your geospatial data and functionality
- Access and analyze data anywhere and anytime, enabling employees to use up-to-date information quickly to improve productivity
- Create and configure Web sites and Web Services without any programming expertise
- Create and configure Web Services that implement OGC specifications including OGC-compliant versions of Web Map Server (WMS) and Web Feature Service (WFS, WFS-T)
- Take advantage of a proven performance scalability model
- Use an API to create your own custom web application

**POWERFUL VISUALIZATION CAPABILITIES**

GeoMedia WebMap enables you to generate both raster and vector maps, and renders maps on the Web using native browser functionality or one of several available plug-in technologies. You can query a database and see information described in a map, or click on a map features or area and see selected database information about that particular feature. With GeoMedia WebMap’s simple interfaces, it’s easy to navigate through large quantities of information.
ROBUST WEB SERVICE SUPPORT
Support for web service industry standards, including OGC, INSPIRE, and XML, gives you access to industry-standard web tools. Deliver data with ease into client applications using GeoMedia WebMap’s industry-defined web services, including OGC WMS (Web Map Service), OGC WFS (Web Feature Service), and OGC WCS (Web Coverage Service). 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.

POWERFUL GEOSPATIAL EDITING
GeoMedia WebMap allows you to view and analyze spatial data, as well as update, modify, or capture it. You can capture spatial data in accordance with a central data model and write it directly to Microsoft® Access, SQL Server®, or Oracle®. GeoMedia WebMap also facilitates the creation and update of attribute data with drop-down lists and integrity checks during data capture. In addition, you can authorize selected individuals to create and store geometry on the server from remote locations.

PRESENTATION OF COMPLEX DATA MODELS
GeoMedia WebMap can make interrelated, complex data models transparent on the Web client. For example, if your data model contains a relationship between buildings and properties, GeoMedia WebMap allows you to display all buildings related to a selected property and navigate through them in the attribute dialog.

IN-DEPTH QUERY CAPABILITIES
With real-time links to GIS data warehouses, your end users can perform various types of spatial and attribute queries. See information described in a map, or click on a map feature and see selected database information about that particular feature and export the results to other applications. Simple interfaces enable you to quickly navigate through large quantities of information. And, GeoMedia WebMap provides the performance needed to serve all the clients of your Web application, meeting user needs as demand increases.

A web-based administration console enables you to create and configure all aspects of GeoMedia WebMap server-side engines, web services, and web applications - in one place.
**COMPLEX SPATIAL ANALYSIS**

As with the entire GeoMedia product line, GeoMedia WebMap offers powerful analysis functions you can use in any combination. General analysis tools include buffer zoning, spatial intersection, spatial difference, analytical merge, aggregation, join, geocoding, reverse geocoding, and functional attributes.

More sophisticated GeoMedia WebMap users may perform analyses such as route analysis (including OpenLS routing), proximity analysis, and area allocation. GeoMedia WebMap also enables end users to conduct dynamic segmentation and linear analysis quickly and easily over the Web. Dynamic segmentation is a powerful tool for analyzing tabular data that references linear features on a map, and enables you to visualize your inventory of assets more clearly than you can by just reviewing columns of data.

**ADMINISTRATION AND USER CONFIGURATION**

A high-performance administration component is critical to secure administration of true enterprise applications. GeoMedia WebMap allows you to administer your web applications in three key areas: content, function, and spatial access. The GeoMedia WebMap administrator can control which users can view, modify, or capture which features. The administrator can also control what functionality is available to individual users, and which spatial extents they can access.

**GEOCACHING**

GeoMedia WebMap offers the administrator the option of caching geodata on the client, guaranteeing high performance even in a low-bandwidth network. The client-side cache files are maintained automatically, ensuring you are always working with the most up-to-date datasets. GeoMedia WebMap also supports server-side geocaching for feature classes which are not frequently updated.

GeoMedia WebMap allows you to publish high-performance web applications with the simple click of a mouse.
ABOUT INTERGRAPH

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph’s industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer and smarter. The company’s software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation and data management of plants, ships and offshore facilities. Intergraph SG&I provides geospatially powered solutions, including ERDAS technologies, to the public safety and security, defence and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is a wholly owned subsidiary of Intergraph Corporation responsible for the SG&I U.S. federal business.

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