MapInfo

MapInfo® Routing J Server v2.0

THE DRIVING DIRECTIONS ENGINE FOR WEB-BASED AND WINDOWS-BASED APPLICATIONS

ADD TURN-BY-TURN DRIVING DIRECTIONS TO ANY WEB-BASED OR WINDOWS-BASED APPLICATION WITH *MAPINFO ROUTING J SERVER*. CALCULATING EITHER THE SHORTEST DISTANCE OR QUICKEST TIMED ROUTE BETWEEN ANY TWO POINTS, THE *ROUTING J SERVER* RETURNS TEXT-BASED DRIVING DIRECTIONS TO YOUR USERS. EMPLOY THE *ROUTING J SERVER*—A DIRECTION ENGINE DEVELOPED IN JAVA—TO BUILD A POWERFUL ROUTING APPLICATION FOR USE ON THE INTERNET, CORPORATE INTRANET OR CLIENT/SERVER ENVIRONMENT.

FEATURES

- Java for platform independent implementations
- Servlet-based for optimal scalability and performance
- Generates precise directions including turns, street names and distances
- Optimize for either shortest distance or shortest travel time
- Creates routes between any two points (call for available countries)
- Recognizes one-way streets and turn restrictions
- Generates drive-time or drive-distance regions for market analysis
- Includes XML interface
- GDT Dynamap 2000® transportation data updated quarterly in the United States
- Includes COM component for Windows developers
- Users may dynamically update transportation data

MapInfo Routing J Server

The *MapInfo Routing J Server* allows companies to create customized spatial applications for routing people, products and resources.

Web-based services, such as MapInfo® miSites™ and MapInfo®miDirections™, are available for businesses to add routing to their web site without having to host it. However, the *Routing J Server* is best for applications demanding greater customization, control and security—ideal for customers with appropriate web, database and Java expertise.

With *MapInfo Routing J Server*, businesses can quickly develop and host high volume route requests calculating the shortest or quickest route between two points and return point-to-point driving directions.

Web site store locators with directions steer customers from a "click" site to a "brick" site—and are now vital, 90% of consumers expect to find such applications on appropriate sites.

Strategic applications are also increasingly common, such as dispatch for service and routing delivery fleets—both of which can be deployed via secure intranets.

Developers of Windows-based applications can embed routing functionality by utilizing the COM component now available from MapInfo.

The COM component as well as the Java client accommodates the "traveling salesperson" problem where optimal routes are calculated between an origin and multiple destination points.

Developer Benefits

MapInfo developed the *Routing J Server* in Java, making it platform independent and extensible.

The *MapInfo Routing J Server* handles concurrent requests for routes optimized for shortest time or shortest distance with accompanying drive time estimates and distance traveled. Application developers can select from a host of user-defined parameters, from controlling how memory is utilized to optimizing performance.

Implementing a Routing Application

Developing and deploying a routing application typically involves four pieces of technology—a geocoding server, routing server, map server and supporting street maps.

MapInfo® MapMarker® J Server—
This Java-based tool sends geocoding requests to the *MapInfo® MapMarker PLUS* engine—accessing it across the Internet via HTTP or TCP/IP on corporate intranets.

MapMarker PLUS, MapInfo's patented geocoder, validates origin and destination points against a comprehensive address dictionary based on GDT's Dynamap 2000 product (enhanced with other MapInfo data) and returns precise latitude and longitude coordinates.

MapInfo Routing J Server—MapInfo's routing/direction server accepts validated coordinates from *MapMarker PLUS* and determines the fastest or shortest driving route from origin to destination. Text-based directions are generated, turn-by-turn, with all street/route names identified and distances and drive-times calculated.

Driving algorithms are run against GDT's Dynamap 2000 Transportation Data, which is included with *Routing J Server*. This premium data set includes primary and secondary road systems with accompanying attributes such as one-way streets, legal and logical turn restrictions, speed limits and more.

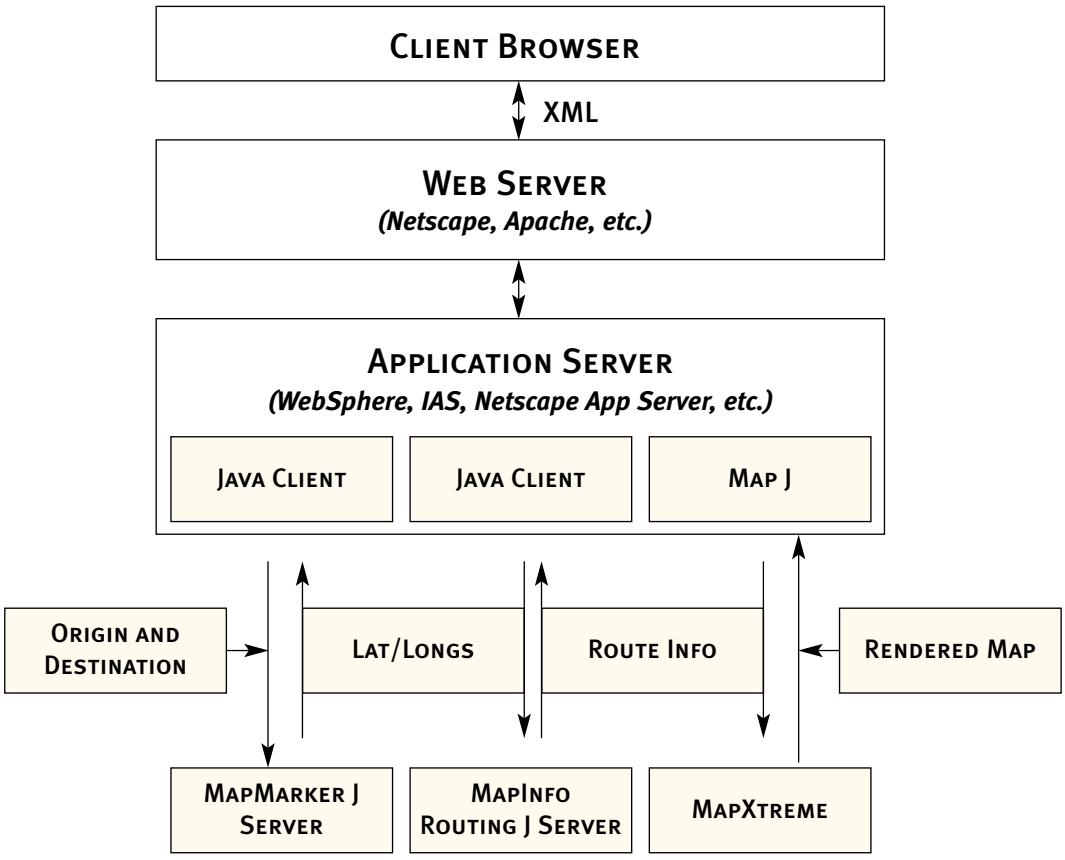
MapInfo ®MapXtreme ®—Include maps with the driving directions by adding *MapXtreme*, our Internet mapping server, to your routing application. Either version of *MapXtreme* (NT or Java Edition) may be used to produce detailed, interactive maps to pan, zoom and link to other corporate data sets.

MapInfo® StreetPro® Display—Add paper-map quality detail to maps served up by *MapXtreme* with *StreetPro*. *StreetPro* provides street network and landmark information to enhance route presentation. Based on GDT's Dynamap 2000 street files, *StreetPro* is optimized to work with all MapInfo products and is available in Oracle8*i*™ native format for easy installation.

Maintenance and Technical Support

The *MapInfo Routing J Server* is sold with data for the entire United States. Users may also opt to purchase data by individual state. This data includes an annual maintenance agreement and quarterly updates. Technical support is also included in the maintenance agreement.

As we look to improve our products, and better serve you, our web site contains the most current information available on this product. Please refer to www.mapinfo.com for the latest updates and features.



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