

MapInfo® MapXtreme® Java Edition v3.0



MapXtreme is a 100% Java mapping server for the Internet or your corporate intranet or extranet. It is designed for companies that need to broadly deploy mapping and location-based analysis to better serve their customers, make better business decisions, and manage assets and operations more effectively. *MapXtreme* offers application developers a highly visual, intuitive component for integrating mapping functionality into any web application.

MapXtreme enables you to run mapping applications on a centrally managed server, lowering hardware and administrative costs, while dramatically improving application performance, reliability and security.

Feature Highlights

- Full-featured mapping server including robust map viewing, manipulation, and thematic mapping functions
- 100% Java enables cost-effective multi-platform deployment
- Multi-threading offers scalability under heavy usage demand
- Visual and non-visual Java Beans speed application development
- Compatibility with all major web and application servers
- Supports a variety of web architectures from thin to robust clients
- Spatial Server Access (SSA) for live connections to databases
- Full support for Oracle8™ Spatial (8.1.5 and 8.1.6)

Robust Mapping Functionality

MapXtreme provides robust mapping functions for displaying, selecting and manipulating data.

Thematic Mapping—Use colors and symbols to represent data values on a map, revealing trends and patterns in data.

Map Display & Manipulation—Pan, Zoom, and Re-center maps. Click on map objects and retrieve associated database information.

Layer Control—Manage multiple layers of geographic information, such as data layer colors, zoom layering, visibility and label styles.

Spatial Selections—Select and work with spatial data at a selected location, or within a given rectangle, radius and polygon.

GRID Support—GRIDs enable the storage of attribute information on a per pixel basis, frequently used for continuous shading (elevation, radio signal strength, temperature).

Export Formats—*MapXtreme* exports GIF or JPEG files.

Free Maps and Data—A world map, major cities, popular boundaries and more are included at no additional cost.

100% Java

MapXtreme was written exclusively in Java, offering developers and end users the following key advantages:

Scalability—*MapXtreme* uses intelligent Java threading to efficiently serve multiple concurrent users, resulting in little blocking, low memory consumption per user, and scalability as CPUs are added. It can scale to handle heavy usage demand.

Multi-platform—*MapXtreme* can run in mixed hardware environments (UNIX and NT), and can run with any application server and any web server supporting ISAPI, NSAPI or CGI gateways. It will deliver maps to any web browser on a PC or UNIX workstation without requiring a proprietary plug-in.

Write Once, Run Anywhere—*MapXtreme* Java applications can be migrated and re-used

regardless of future hardware or platform choices, saving you development time and costs.

Fast Application Development

MapXtreme Java Edition ships with a set of visual and non-visual Java Beans that speed application development. Because they can be used with visual Internet Development Environments (IDEs) such as Oracle Jdeveloper, Borland® JBuilder™, or IBM® WebSphere, developers can use the standard drag and drop, set properties mechanism of adding objects to their application.

MapXtreme also includes a commercial IDE and Application Server (HAHTsite), as well as pre-built sample applications for Java environments like HAHTsite®, NetDynamics™ and Microsoft's Active Server Pages.

Supports a Variety of Web Deployments

MapXtreme supports a variety of web deployments including thin, medium and thick web browser clients.

In thin client deployments, all map generation/rendering is performed on the server, with the

client receiving only interactive GIF or JPEG images. On the server, *MapXtreme* runs as Java Server Pages in conjunction with a web server or web server/application server combination.

In medium client deployments, the web browser loads a Java applet and receives GIF/JPEG images. The applet enables a more robust and flexible user interface while minimizing data downloaded from the server.

In thick client deployments, an applet is loaded and the map is streamed to the applet as a series of vectors. Map functionality resides on the client applet. This environment allows the most flexibility but is best suited for higher bandwidth intranets.

Database Connectivity

MapXtreme provides Spatial Server Access (SSA) to work with spatial data stored in server-side databases. This allows users, who have security rights, to access

mission-critical spatial data in an enterprise-level database management. Read/Write capabilities to Oracle8i, Informix® Universal Server, and IBM® DB2® allow the user to create new map objects, and move and delete map objects.

MapXtreme is tightly integrated with Oracle8i, supporting both Oracle 8.1.5 and 8.1.6, including Oracle's new projection and coordinate system (SRID). Full SQL pass through allows for any arbitrary SQL query to be used for a layer definition. Support for Oracle 8.1.6 Thick & Thick Bequeath JDBC drivers may give a 20% or 40% performance boost, respectively.

Certified Environments

MapInfo has certified *MapXtreme Java Edition* for the following environments:

- Windows NT® 4.0 sp3 (Intel), Sun® Solaris™ 2.6 (Sparc), HP/UX 10.2 (PA/RISC)

- Netscape®, Apache and Microsoft® Internet Information Server Web servers
- HAHTsite, NetDynamics and Oracle application-servers
- Microsoft Internet Explorer 4.x and Netscape 4

Integrated Solution

MapXtreme supports *MapInfo® MapMarker®*, MapInfo's premier geocoding product, to make proprietary address data mappable. We also offer an extensive selection of worldwide data products for use with *MapXtreme*, including streets, postal and administrative boundaries, demographics, and business data.

Hardware Requirements

- Java Virtual machine JDK 1.2 and higher
- 30 MB hard disk space for installation
- 250 MB hard disk space for map data

- 64 MB of RAM for *MapXtreme*
- Video card installed on server

Call today for more information at 1.800.327.8627 or visit us at www.mapinfo.com – because knowing where is just the beginning.

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