

ORACLE MAPVIEWER 12.2.1.1 FEATURES

MAPVIEWER CAPABILITIES

- Incorporate rich map visualization in business applications
- Mashup content from various sources
- Highly interactive user experience
- Mobile support
- Spatial data editing capabilities
- Included in various Oracle products and applications

12.2.1.1 ENHANCEMENTS

- More deployment options – other JEE containers as well as generic WebLogic Server
- Query and rendering performance of dynamic tile layers is greatly improved
- A single map can now have multiple UTF Grid enabled tile layers
- API flexibility so users can define their own user defined 3rd party map tile layer, support for 3rd party geoJSON files, and more

A detailed listing of Oracle MapViewer features can be found in the Oracle MapViewer 12.2.1.1 User Guide.

*MapViewer is an HTML5-based mashup component of Oracle Fusion Middleware that allows developers who are familiar with SQL and JavaScript to incorporate a wide variety of map styles and spatial analysis into business applications. Its mapping engine can directly source data from external web services such as WMS, WFS, GeoRSS streams, and WMTS. Enhancements in the 12.2.1.1 release provide **more deployment options, ease-of-use, faster performance, and improved user interactivity.***

MAPVIEWER ENHANCEMENTS

New Deployment Options

There is a lightweight web administrative console written in HTML and JavaScript so that a generic EAR file can be deployed to other JEE containers such as Tomcat or GlassFish. MapViewer can now be deployed in generic WebLogic Server (without JRF).

Dynamic Tile Layers

This feature enables a client map application to define and create tile layers dynamically at runtime. Because it is independent from MapViewer's metadata definition for tile layers, any number of dynamic tile layers can be created on the client side. Large data sets can be visualized in an interactive manner, with the ability to explore individual features if needed.

MapViewer 12.2.1.1 enhancements include:

- Greatly improved query and rendering performance
- Enhanced built-in info-window support with UTF Grid; info-window can be shown on mouse-over or hover

Catalog Data Sources

- Access file-based data source
- No database required

User-Defined Data Sources/API Flexibility

- Users can now define their own user-defined third party map tile layer using a plugin interface
- Support for 3rd party geoJSON files
- JSONP support when loading geoJSON data from a remote server
- Support user-defined map projection functions

Local Tiles for Offline/Mobile Use

- Extract tiles from MapViewer or a 3rd party (that supports the XYZ tile scheme) that can be used in offline mode or on a mobile device.
- No MapViewer server or database instance needed

Resources

Oracle Technology Network:

www.oracle.com/technetwork/middleware/mapviewer/

- Documentation and white papers
- Software, sample code
- Training
- Partners

Community:

www.oracle.com/technetwork/data-base/options/spatialandgraph/community

- Social media groups
- Forums
- Blogs

Related products

- **Oracle Fusion Middleware products**
- **Oracle Business Intelligence Enterprise Edition**
- **Oracle Spatial and Graph option**

Style Enhancements

- Can have stacked styles on features, useful for rendering multiple measures or status indicators on a feature
- Marker styles can now be based on web font glyphs and SVG documents
- Area style now supports images without a repeat pattern

Web Admin Console

- More streamlined page layouts
- Improvements to page performance and responsiveness

GeoRaster Virtual Mosaic Support

Support has been added to the MapViewer server so that you can now create a predefined theme based on the virtual mosaic functions in Oracle Spatial and Graph GeoRaster database.

HERE Maps

- Upgraded support for HERE Maps using HERE V3 API

And More

- Standard geoJSON output support
- Support of LRS (Linear Reference System) themes
- Support for CORS (HTTP access control) for accessing web resources on different domains

Component of Oracle Fusion Middleware

MapViewer takes advantage of all the features of Oracle Fusion Middleware such as security, clustering, performance, scalability, and administration. MapViewer is the only mapping tool that supports the entire Oracle technology stack.



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