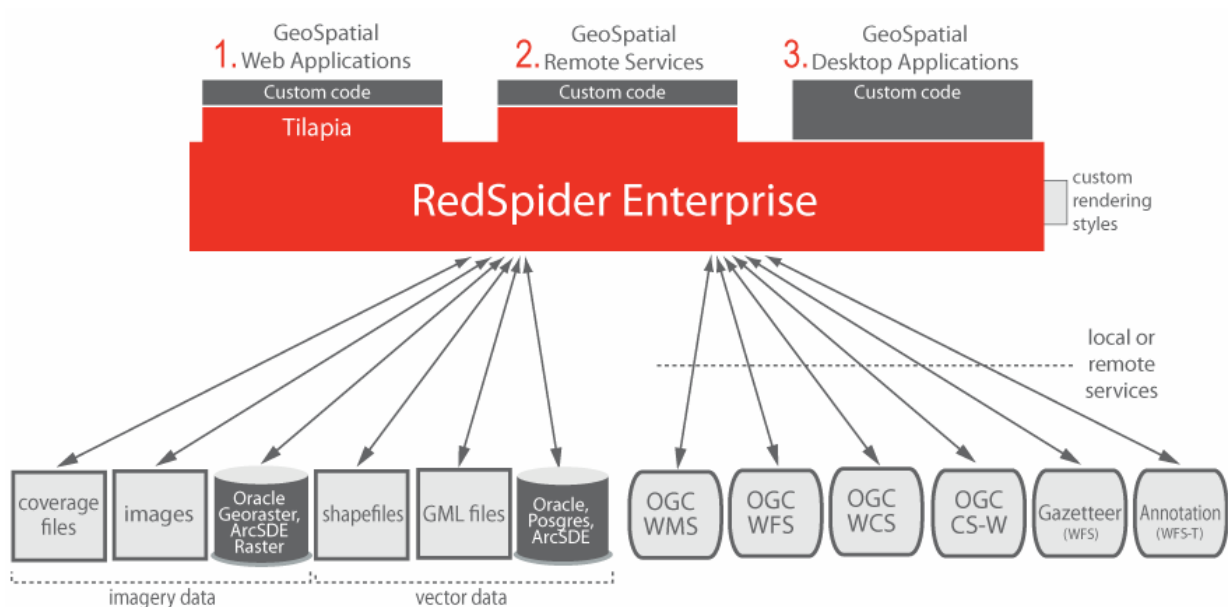


RedSpider Enterprise 3

The Enterprise Geospatial Toolkit Release 3.5

Build Custom Geospatial Applications



RedSpider Enterprise 3.5 is a full enterprise geospatial stack that can be used to build the following types of applications:

1. Geospatial Web Applications

Build rich internet applications (RIA) with the help of the Web Toolkit.

2. Geospatial Remote Services

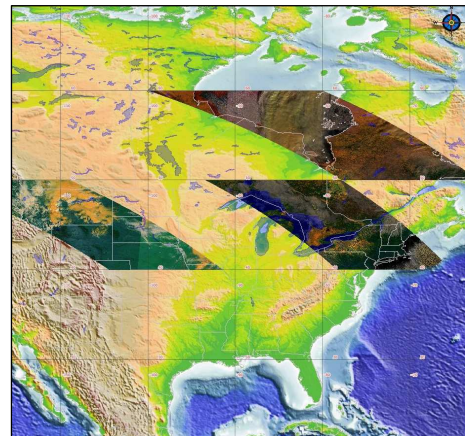
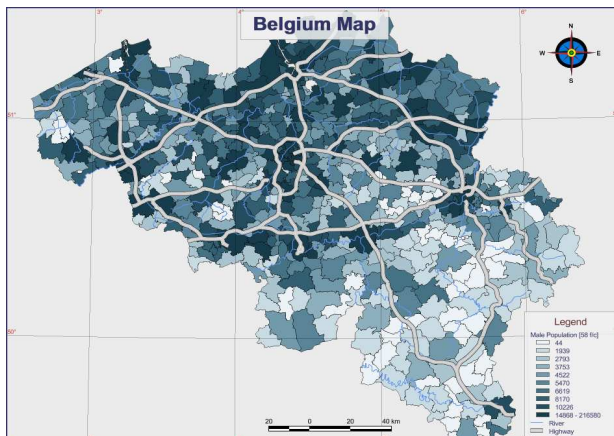
Implement custom remote services and expose them using Java EE, RMI, or any desired protocol.

3. Geospatial Desktop Applications

Build Swing/SWT desktop applications.

Main RedSpider Enterprise features:

- **OGC services access**, including:
 - Web Map Services (WMS)
 - Web Feature Services (WFS)
 - Web Coverage Services (WCS)
 - Catalogue Web Services (CS-W)
 - Gazetteer (WFS)
 - Annotation Services (WFS-T)
 - Open Location Services (OLS)
- Transparent support for multiple **vector and imagery data** formats:
 - GML files (GML2 and GML3), ESRI Shapefiles
 - Oracle, Postgres and ArcSDE
 - Coverage files: Geotiff, DEM, BIL, BSQ, Landsat, JPEG2000, DTED, NITF, ECW, HDF4, Hdf-Eos...
 - Images: tif, png, jpeg, bmp, gif...
 - Oracle Georaster and ArcSDE Raster
- Access your data thanks to the **Web Toolkit!** Use the web toolkit to access OGC data services through a web browser. The toolkit relies on the AJAX technology to guarantee the fast response times that enable a smooth user experience. It provides such features as complete map layer management and **editing of feature properties and geometries** (via WFS-T).
- Transactional WFS API and full OGC Filter support
- Render your data on-the-fly using the **local portrayal**.



- Define the rendering styles using **custom rules** in Java, JavaScript, or using a simple property file.
- Complete metadata API with support for **ISO1915** and **ISO19139**
- Complete Styled Layer Descriptor (**SLD**) API
- Read, write, and manage **OGC contexts**
- Support for over **1000 coordinate transformations**

Release 3.5: New Features

1. Java API improvements

Several enhancements have been brought to make the API more powerful and easier to use, including:

- A new map generation tool facilitating the **production of maps** based on OGC service layers. Using a few lines of code you can reference the layers to display, describe how you want them portrayed, and the toolkit does the rest!
- A completely revamped **documentation package**, providing a clear, concise developer reference.
- An extended set of program **samples**, covering most of the API.

2. Web Toolkit

The Web Toolkit provided with RedSpider Enterprise 3.5 has been improved to match as well as possible most client needs, while remaining completely customizable.

Major improvements include:

- Support for **tiled maps**.
- Support for uploading Shape / GML files so that their content can be viewed and shared immediately with a few mouse clicks.
- Support for the **Portlet** (JSR168) standard, allowing web toolkit components to be embedded into portlets. We provide the code allowing fine-grained integration with your environment.
- Extensive filtering capabilities, so that you can easily create and apply an OGC filter to a WFS layer or retrieve features matching search criteria.
- A **complete developer guide** describing the web toolkit API to both experienced and inexperienced JavaScript developers.

3. A rock-solid developing environment

RedSpider Enterprise 3.5 supports the *Ant* and *Maven* build tools for seamless integration into your existing development environment. New projects can be started almost instantly.

Hundreds of unit tests are regularly launched for both the Java and JavaScript API.

All of this ensures that you have a rock-solid, stable developing environment!

Coverage Report - com.ionicssoft.geothin.map		
Package /	Line Coverage	Branch Coverage
com.ionicssoft.geothin.map	83%	96%
Classes in this Package /		
	Line Coverage	Branch Coverage
AbstractGenerator	88%	100%
MapFactoryImpl	100%	N/A
MapGeneratorImpl	91%	100%
MapLayerDescriptorUtils	74%	94%
MapLayerGeneratorImpl	86%	N/A
ReadOnlyMapGenerationOptions	53%	N/A
SldFactoryImpl	62%	71%
SpatialIntersectsQueryBuilder	95%	100%
StyleTransformer	63%	N/A

This figure shows the code coverage of tests we automatically run several times a day.