

DbMAP ASJ Documentation Guide

You have just installed the complete version or only some parts of DbMAP ASJ Kit.

In the first case you are ready to start using the DbMAP ASJ Viewer/Author Tutorial.

In the second case check which part/s you have installed on the PC where you are reading this document from, to know how to move through the documentation:

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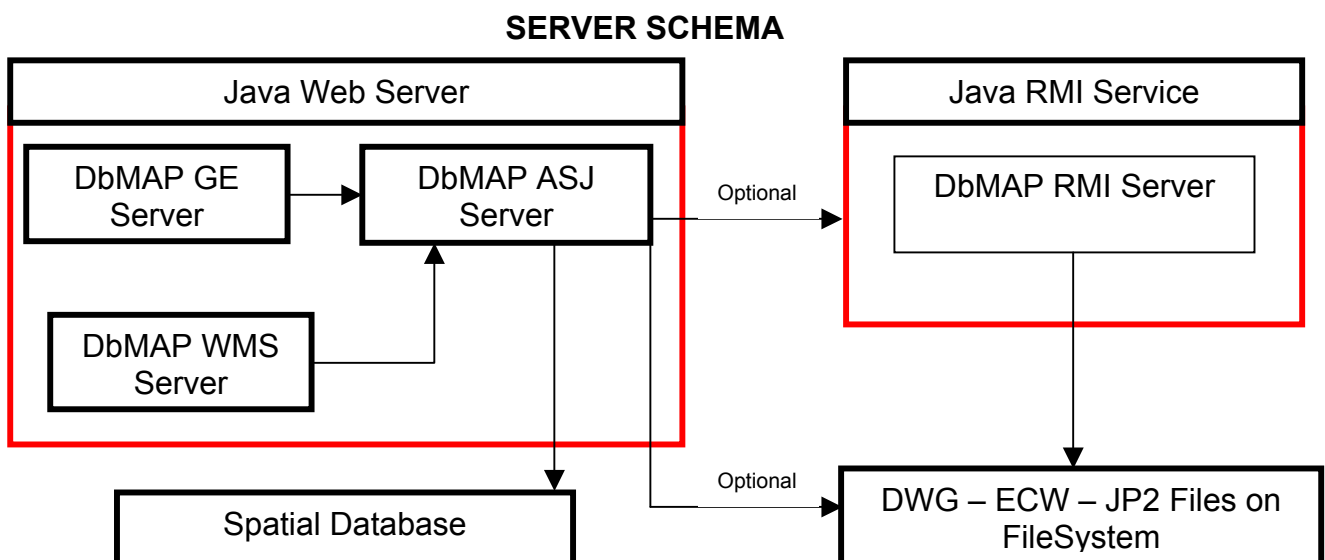
DbMAP ASJ Runtime Server

It is the Server core that provides services to the clients. It can be possible to setup a new Server configuring different components. Reference documentations for the Server components are the following. Main concepts of use and way of configuring are reported for each of them:

1. DbMAP ASJ Server
 - 1.1. Refer to DbMAP ASJ Server Setup to know how to manually install;
 - 1.2. Refer to DbMAP ASJ Servlet Configurator to know how to use the Configurator Service of the DbMAP ASJ Server in order to set up quickly the servlets;
2. DbMAP WMS Server
 - 2.1. Refer to DbMAP WMS Server Setup to know how to install and configure it;
3. DbMAP Google Earth Server
 - 3.1. Refer to DbMAP GE Server Setup to know how to install and configure it;
4. DbMAP ASJ RMI Server
 - 4.1. Refer to DbMAP RMI Server Setup to know how to install and configure it;

It must be clear that a Java Web Server must be available for the first two above mentioned Server. Not for the third one that simply requires a J2SDK version on the server where it is installed.

The services provided by DbMAP ASJ Server are explained by the DbMAP ASJ Servlet Low Level functions documentation. For what concerning DbMAP WMS Server, the services are the same available for a standard WMS (Web Map Services) server.



The Java Web Server and the Java RMI Service are usually on two different Server. No Lan, Web or Servers “boundaries” have been displayed in the above scheme because it is not necessary in this part, being only concepts regarding the interaction of the various server parts.

As a property of a Java Web Server it can be possible to redirect the calls for the main Server to other Remote Java Web Server in order to provide data from many different DbMAP ASJ Server calling always the same one(this is not displayed by this scheme).

DbMAP ASJ Viewer-Author & Data Manager

It is the package that allows to populate the database starting from ShapeFile, ECW, GeoTIFF, JPEG2000 and DWG files and to start making web applications. It is a Client installation usually installed in the intranet of the Server (however remember that Viewer-Author can be used also as remote application, not only in the intranet).

It has been installed using the DbMAP ASJ Viewer-Author & DataManager option from the CD. No additional configurations are required.

This is the package that allows to start working with DbMAP ASJ Kit. Follow the steps reported by the DbMAP ASJ Viewer/Author Tutorial.

The Reference Guide for DbMAP ASJ Viewer-Author & DataManager are:

- DbMAP ASJ Viewer-Author User's Guide;
- DbMAP ASJ DataManager User's Guide;

Look at the section "DbMAP ASJ Java Development and DbMAP OCX Component" to now how to customize the results provided by DbMAP ASJ Viewer/Author application or use simply DbMAP Customizer to change the "gifs" used by the applets.

NOTE: Using Oracle Spatial or PostGIS databases, spatial data could be already stored in the database using the spatial format provided (SDO_GEOMETRY for Oracle Spatial and GEOMETRY for PostGIS). In this case DataManager is not necessary because the data, being in the standard spatial format of those databases, could be read by DbMAP ASJ without any other changing. Remember that DataManager stores data always using standard formats, without adding any DbMAP ASJ proprietary structure.

DbMAP ASJ Java Development and DbMAP OCX Component

The Development part is the one that allows a programmer to make completely customised applications. Levels of developments are more than one.

- Regarding Java Development could be said that:

- It can be possible to simply make changes to the HTML applications realized through the deploy of DbMAP ASJ Viewer-Author, starting from some provided templates. No specific components are required for this job;
- Looking at the documentation DbMAP ASJ applets it can be possible to change applets parameters contained in the HTML pages or make new pages, containing the applets, deciding the parameters settings to use;
- It can be possible to modify the provided applets (**not the graphic window**) looking at the following things:
 - Satellite applets Source codes (Jar files containing the source codes)
 - Low Level applets development
 - Java documentation
- It can be possible to create StandAlone Client/Server Java applications using the DbMAP ASJ Java Components. Reference documentation is:
 - Java Stand Alone Development Documentation
 - Low Level applets development
 - Java DOC

- The DbMAP OCX is a suite of Windows based components (OCX/ActiveX/DLL) composed by the DbCAD Dev component and many additional drivers. It is possible to create Desktop Client/Server HTTP application :

- Refer to the DbMAP OCX Tutorial for a quick start (look at the DbMAP ASJ Viewer/Autor tutorial to know how to insert some data inside the database before starting)
- Refer to DbcDbMAP driver documentation for details about the main driver for the connection to the DbMAP ASJ Runtime Server
- Refer to DbcEdit OCX documentation for details about editing concepts
- For details about low level functions provided by the DbCAD dev OCX, look at the following documentation that provides a wide range of information regarding all the capabilities of this OCX, whose methods can be used also for Desktop StandAlone applications:
 - General Concepts
 - Graphic Database Structure
 - Quick Reference
 - Complete Reference Guide
 - Redistributable Files
 - Errors and troubles
 - DbcDrawingProp and DbcNttGeoLib automation object
 - Additional Drivers: DbcBMPdc, GeoTIFF driver, DGN Driver, DbCAD Geo OCX, ECW driver, DbcCalib driver, Advanced ShapeFile driver

NOTE: Java Components provide the same methods and classes of the applets, making exception from some additional classes provided as different library. This is the reason why, more than Java Stand Alone Development Documentation, there is the reference to Low Level Applets documentation also for the Java Components.

DbMAP ASJ Scheme

The following scheme is provided just to understand how the tools described in this documentation can be used. RMI doesn't appear cause its use along with the other Server components is reported by the DbMAP ASJ Runtime Server section.

