

# ILOG JViews Maps

## Topics

This course is about building maps from raster and vector data and overlaying them with animated custom graphic objects to enrich the GUI of strategic applications. The course shows you how to use these features to obtain a realistic real-time view of an operation. You start by learning about the features of the graphics framework that will be used in conjunction with the specialized JViews Maps SDK.

The course includes sets of hands-on exercises to help you gain experience in:

- Using the JViews Framework in an air traffic simulation to learn how to use the basic features of the graphics framework and apply them in a mapping use case.
- Using the cartographic functionality of the JViews Maps SDK for spatial reference systems and coordinate systems.
- Using the JViews Maps SDK for representing cartographic data.
- Optionally, using the JViews Framework thin-client capabilities applied to a similar air traffic context as the JViews Framework rich client exercise.

## Overview of JViews Maps

Introduces the set of key features:

Full-featured Java class library

Base functionality for 2-D graphic applications

Tools for facilitating map operations

Capability to mix and align data from heterogeneous data sources on maps

Predefined readers of commonly used cartographic formats

JavaBeans for building cartographic applications quickly in a visual programming environment

## JViews Framework

Overview

Basic geometric classes

Managers

Graphic objects

Views

Transformations

Behaviors

Listeners

## Cartography

Spatial reference systems

Using coordinate systems

## Representing cartographic data

The map reader framework

Persistence of geographic data

Scale filters

Load on demand

## CSS

Overview

Specification

Applying CSS to Java objects

Divergences from CSS2

## Objectives

The primary audience is Java developers of applications that require the use of a maps background.

- Use the base classes of the JViews Framework SDK.
- Use the specialized cartographic classes of the JViews Maps SDK.
- Use the classes of the JViews Maps SDK for representing cartographic data.
- Optionally, learn about CSS for styling graphic objects in a map.
- Optionally, use the thin client framework.

## Prerequisites

A working knowledge of the Java programming language.

A basic knowledge of cartography.

## Length

- 4 days
- 9:00 am – 6:00 pm

## Thin client

Overview

Server side of a thin client application

Client side of a thin client application

## Conclusion and open forum

Discussion of participants' questions