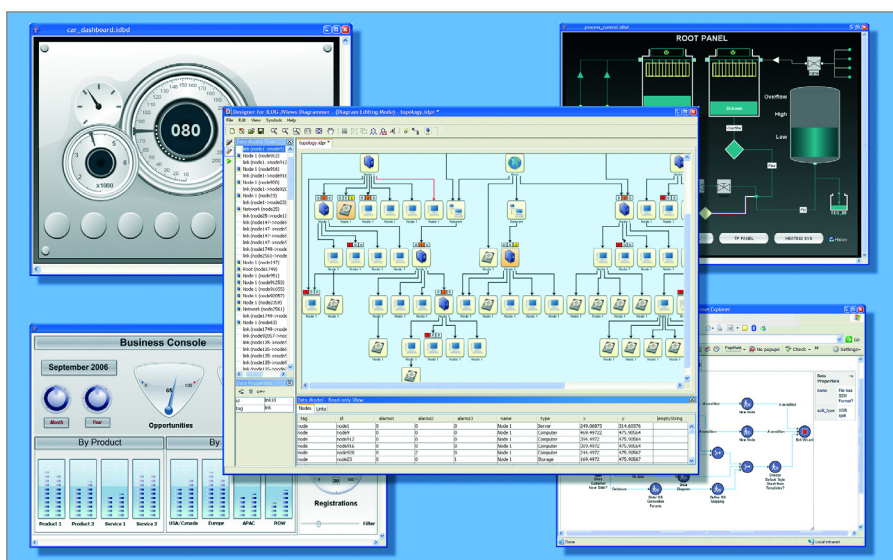# ILOG JViews

Diagrammer

Empowering Java™ visual applications

Infrastructure Diagram
(center)
Realistic human machine
interface (HMI) (top left)
Process control (top right)
Business dashboard
(bottom left)
Web/Ajax business
process modeling

Components and tools for rich visual applications

ILOG JViews Diagrammer is designed to support the rapid creation of advanced user interfaces. It comes with software components and development kits that include open application programming interfaces (APIs), as well as several design tools for making applications without writing code and smart layout algorithms to automate the display of complex data. ILOG JViews Diagrammer is a proven performer for helping enterprises track processes and resources.

Diagrams for business systems

Build diagrams that show entities and their interconnections within a business system. Companies better understand and manage operations displayed as networks, business processes, workflows or organizations. As they grow, companies rely increasingly on diagrams to help maintain order, spot problems and improve efficiency.

Interactive dashboards for business monitoring

Create business activity monitoring (BAM) applications, business dashboards that display the current status and performance of important business processes such as sales pipelines. They let users adjust resources on the fly in order to fulfill objectives, minimize latency and increase revenues.

Realistic graphic objects for industrial visualization

Profit from supervisory control and data acquisition (SCADA) applications, which are essential for monitoring equipment such as storage tanks, factory machines, energy networks and transport pipelines. Show them with realistic graphic objects that display data in real time to keep plant operators current with conditions in their facilities.

- ■ **Powerful components with open APIs**

- ■ **Design tools to avoid coding**

- ■ **Covers diagramming, monitoring and generic needs**

- ■ **Powerful graph layout algorithms**

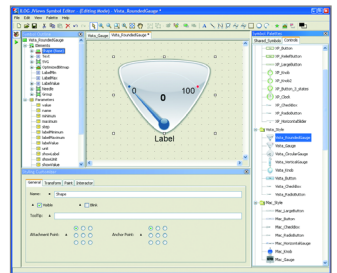- ■ **Desktop, Eclipse and Ajax deployment**

ILOG®

Changing the rules of business™

Interface development made easy

ILOG Diagrammer provides powerful tools for making, animating and deploying symbols and diagrams:
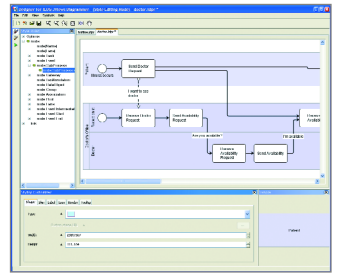
■ Symbol Editor

Developers use Symbol Editor to create, edit and organize symbols. It works with authoring tools such as Adobe Illustrator to provide appealing visual elements. It then adds dynamics to tell symbols how to show data changes. For example, its rules can define alarm conditions for making a factory symbol blink. Symbol Editor comes with extendible palettes of fully functional symbols, including gauges, buttons, meters and dials.
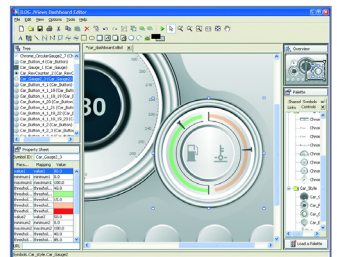
■ Designer for Diagrammer

Designer for Diagrammer is a point-and-click editor for easily specifying most aspects of a diagram. Its data definition wizard lets users set visual properties and data source parameters. Developers can specify the appearance of graphics under different data conditions. Graphic objects are taken from Symbol Editor palettes and configured locally.

■ Dashboard Editor

Dashboard Editor's point-and-click interface is used to create industrial and business dashboards. It allows the user to draw or import a static background from a range of formats (SVG, DXF, JPG, PNG or GIF), place Symbol Editor symbols on top of the background, and then connect the symbols to the underlying data – all without writing Java code. The resulting dashboard or schematic can be loaded into an application interface and fed data in real time.

Components for maximum flexibility

ILOG JViews Diagrammer also comes with components and development kits for assembling and connecting interfaces. Its model view controller (MVC) architecture separates data from their screen representations. The architecture is open and extensible, enabling it to be connected to other application components.

Powerful graph layout algorithms

ILOG JViews Diagrammer includes a dozen layout algorithms that automatically rearrange graphic objects to make diagrams easier to understand. They include the most popular node, link and label algorithms, which can be used separately or together to create a wide variety of diagrams, including hierarchical, tree, radial tree and circular. Subprocesses and subnetworks can be displayed and edited as subgraphs that expand and collapse in place.

Desktop, Eclipse and Ajax/Web deployments

ILOG JViews Diagrammer applications can be deployed as Eclipse plug-ins, or desktop or Web-based applications. For Web deployments, specialized JavaServer Faces (JSF) and Asynchronous JavaScript and XML (Ajax) components are available to display and interact with graphical views, overviews, toolbars and contextual menus. In addition to traditional visualization and monitoring functions, Ajax provides powerful in-place editing capabilities. Add objects to a diagram, connect entities interactively, show contextual popup menus or edit object attributes – all with immediate synchronization with the underlying data models on the server.

Creating a gauge with the Symbol Editor

BPM styling inside Designer

Dashboard Editor

"*Using ILOG JViews, we have an excellent platform for developing workflow features that are flexible and customizable, giving us a significant competitive advantage.*"

– Chuck Ganapathi
Product Management Director
Hyperwave AG

■■ ABOUT ILOG

ILOG delivers software and services that empower customers to make better decisions faster and manage change and complexity. Over 2,500 global corporations and more than 465 leading software vendors rely on ILOG's market-leading business rule management system (BRMS), optimization and visualization software components, to achieve dramatic returns on investment, create market-defining products and services, and sharpen their competitive edge. The BRMS market share leader, ILOG was founded in 1987 and employs more than 700 people worldwide.

Learn more

For more information on ILOG JViews Diagrammer, visit http://diagrammer.ilog.com.

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