More complete and accurate visualization
A key factor in the success of any piece of software is the effectiveness of its user interface. Experience shows that interfaces based on charts, diagrams and maps convey information more quickly and accurately than those based solely on text, and by representing system data graphically, users are able to mentally process larger data sets.

Indispensable visualization
Good visualization software makes data meaningful by placing it in context. Complex information and distributed resources are easier to manage when displayed comparatively or by position or status. Manufacturers rely on visualization software in taking orders and planning production; transportation services in organizing shipments, directing vehicles and plotting routes; and telecommunications companies in equipment and network management. Wherever a clear understanding of data and processes is needed – defense, government, finance, banking, research, retail and many other industries – visualization software plays an important role.

Comprehensive product line
ILOG offers one of the most successful visualization product lines in Java: ILOG JViews. Its components optimize the user experience across a wide spectrum of applications. They come with industry-specific graphic objects, Asynchronous JavaScript and XML (Ajax) technology, point-and-click editors, application programming interfaces (APIs) and software development kits (SDKs) for customizing renderings and interaction features. Displays created with ILOG JViews can be deployed to the desktop or the Web.

- Create the displays your users want
- Deploy to desktops and Web (Ajax)
- Tuned for large data sets and real-time updates
- Develop fast with point-and-click editors
- Access comprehensive APIs
We regard the addition of ILOG JViews as breakthrough technology that can help us increase and improve the ease of use of our products. Integrating ILOG JViews into IBM Tivoli Monitoring for Transaction Performance enhances the ease of use of the interface, making problem detection more straightforward and ensuring we continue to provide best-of-breed solutions to our customers.

– Don O’Toole
Director of Market Management
IBM Tivoli

### Key differentiators

- **Get the advanced displays you need**
  - Charts, maps, Gantt charts, diagrams, dashboards, networks . . .
  - Choose the display(s) you need. There is a unique product for each type.

- **All the deployment capabilities you need (including Ajax)**
  - Java applications, Applets, Web Start . . .
  - Ajax with DHTML and Scalable Vector Graphics (SVG) through JavaServer Faces (JSF) and Portlets
  - Eclipse plug-ins

- **Model-driven architecture**
  - Model view controller (MVC) components combined with a Cascading Style Sheet (CSS) provide flexible customization
  - CSS defines visual parameterization and dynamic rules

- **Comprehensive Java SDK**
  - Extensible MVC components
  - Developers can use the components or program directly with the graphics framework
  - Full Java and CSS APIs

- **Visual development tools and prebuilt deployable editing tools**
  - Point-and-click designer tools for defining the look and feel of each display
  - Graphical editor for creating custom data-aware graphic objects (includes many palettes of prebuilt, commonly used objects)
  - Editors for creating business and SCADA/HMI displays and for assembling geographic maps
  - Many editing tools include source code for customization
  - Documented samples

- **High-performance displays and complex problem solving**
  - Optimized data structures for fast refresh and selection
  - Load on demand and multithreading for large data sets
  - Graph layout algorithms for automatically arranging diagrams
  - Label layout in diagrams and maps

### Benefits

- **One-stop shopping**
- **Pay for only what you need**

- **Support current and future deployment schemes**
- **Ajax editing and viewing capabilities**
- **Leverage existing development efforts**

- **Program at the business-logic level**
- **Extract rendering logic from Java source code**
- **Adapt look and feel of displays without recompling**

- **Full control of rendering and interaction**
- **No need to compromise: implement exact requirements**

- **Quickly create custom graphic objects that represent your system**
- **Easily connect objects to your data for real-time updates**
- **Prebuilt editing tools designed to be rebranded for your customers: business process management (BPM) modeler, dashboard editor and map builder**
- **Greater development productivity**

- **User’s display is responsive, even with large data sets**
- **Automatic graph layout simplifies complex relationships**
- **Offer a rich user experience**
## Made for demanding applications

### Essential for sophisticated, mission-critical user interfaces

Every ILOG JViews product is designed to create interfaces for applications that need more than just text to display information. These interfaces typically have to handle huge quantities of data, update automatically in real time, or support unusual or complex user interactions. ILOG JViews has a proven track record in several application domains, including:

<table>
<thead>
<tr>
<th>Type of applications</th>
<th>Key ILOG JViews product features</th>
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</thead>
<tbody>
<tr>
<td><strong>Network management systems</strong></td>
<td>- Prebuilt look and feel for networks, tables, trees and equipment</td>
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<tr>
<td>- Operational support systems (OSS)</td>
<td>- Compliance with TMF, OSS/J . . .</td>
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<td>- Graph layout for organizing topology displays</td>
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<tr>
<td><strong>Enterprise business</strong></td>
<td>- BPM modeler</td>
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<td>- Workflow, BPM</td>
<td>- BPMN support</td>
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<td>- Executive dashboards</td>
<td>- Dashboard editor</td>
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<tr>
<td>- Business activity monitoring (BAM)</td>
<td>- Ajax support</td>
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<td>- Planning and scheduling</td>
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<tr>
<td><strong>Software and IT engineering</strong></td>
<td>- Custom diagram editing tools</td>
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<tr>
<td>- Visual development tools</td>
<td>- Graph layout</td>
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<tr>
<td>- IT performance</td>
<td>- Networks</td>
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<tr>
<td>- Networks</td>
<td>- Dashboard displays</td>
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<tr>
<td><strong>Aerospace, defense</strong></td>
<td>- Military maps</td>
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<td>- Command, control, communications, computer and intelligence (C4I)</td>
<td>- High-performance refreshes</td>
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<td>- Satellite control and planning</td>
<td>- App6a/MIL STD-2525B and custom symbols</td>
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<td>- 3D terrain displays</td>
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<td><strong>Business intelligence</strong></td>
<td>- Entity-relation diagrams</td>
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<td>- Business intelligence</td>
<td>- Treemaps</td>
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<td>- Data mining</td>
<td>- Timelines</td>
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<td>- Charts</td>
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<td><strong>Utilities, energy and manufacturing</strong></td>
<td>- Schematics and trends displays</td>
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<td>- SCADA/process control dashboards</td>
<td>- SCADA/HMI editors</td>
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<tr>
<td>- Planning</td>
<td>- Networks</td>
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<td>- Maps</td>
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<td>- Gantt chart</td>
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<tr>
<td><strong>Engineering design</strong></td>
<td>- Graph layout</td>
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<td>- Electrical circuit design</td>
<td>- Visual editors</td>
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<td>- Floor-plan design</td>
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<tr>
<td><strong>Transportation</strong></td>
<td>- Dashboards and schematics</td>
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<td>- Traffic monitoring</td>
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<td>- Transportation planning</td>
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<td>- Time-space diagrams</td>
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<td><strong>Finance</strong></td>
<td>- Custom charts</td>
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<td>- Trading applications</td>
<td>- Treemaps</td>
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<tr>
<td><strong>Life sciences</strong></td>
<td>- Graph layout</td>
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<tr>
<td>- Biochemical pathways</td>
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ILOG JViews

Display requirements
- Performance analysis
- Data analysis and data mining
- Scientific displays
- Real-time monitoring
- Business analysis
- Project and task scheduling
- Resource usage displays
- Schematic diagrams
- What-if analysis
- PERT diagrams
- Timeline and calendar views
- Networks, flowcharts, schematics and org charts
- Real-time monitoring
- Business process and UML modelers
- Executive, SCADA and process control dashboards
- Generic graphics editors
- Wide Area Network (WAN) displays
- Local Area Network (LAN) views
- Georeferenced network displays
- Equipment views
- Service level agreement compliance
- All common map formats
- Geographic map background
- Georeferenced interactive symbols
- Asset management
- Real-time monitoring
- Mission planning
- 2D and 3D simulations
- Terrain analysis
- Mission analysis
- Real-time monitoring

ILOG JViews Products
- ILOG JViews Charts
  http://charts.ilog.com

“For mission planning systems, it is critical to use a flexible and high-performance system that allows a fast response time. We believe ILOG JViews Maps for Defense is the best commercial tool available for that matter.”

— Ignacio Rosell Ráez
Mission Support Systems
Head of Department
EADS Casa, Spain

Learn more
For more information on ILOG JViews, please visit http://jviews.ilog.com.

ILOG delivers software and services that empower customers to make better decisions faster and manage change and complexity. Over 2,500 corporations and more than 465 leading software vendors rely on ILOG’s market-leading business rule management system (BRMS), supply chain planning and scheduling applications and optimization and visualization software components, to achieve dramatic returns on investment, create market-defining products and services, and sharpen their competitive edge. ILOG was founded in 1987 and employs more than 800 people worldwide. For more information, please visit www.ilog.com.