New IBM ILOG Elixir Enterprise and enhanced IBM ILOG Visualization products deliver state-of-the-art user interfaces for business applications

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At a glance

The IBM® ILOGVisualization family of products enables user interface developers to build highly graphical and highly interactive displays for their most demanding line-of-business applications. These products are available across a number of development and deployment platforms, including:

- C++
- Java™
- AdobeFlex

IBM ILOG Elixir Enterprise

IBM ILOG Elixir Enterprise allows user interface developers to create advanced business displays that run using the Flashplug-in. It enables the browser to serve as a platform for the next generation of line-of-business applications. The product:

- Reduces development time and risk by providing a set of ready-to-use advanced display components required by business applications
- Delivers increased end-user satisfaction, through creation of state-of-the-art user interfaces that follow contemporary design aesthetics and interactions
- Offers widespread deployment across a broad range of Web browsers and desktop environments
- Offers numerous components for creating diagrams, schedule displays, maps, charts, calendars, and timelines, that can be immediately used out-of-the-box, or easily tailored to meet specific application requirements
- Manages large quantities of data, providing effective and efficient display responsiveness
- Allows immediate developer productivity, through seamless integration with the Adobe® development environment
- Delivers exceptional world-class IBM product support, training, and consulting services

In addition to the introduction of IBM ILOG Elixir Enterprise, this announcement highlights the availability of enhanced IBM ILOG Visualization product releases that include packaging, performance, and feature enhancements and additions.
Overview

IBM continues to advance its leadership position in data visualization with the new offering, IBM ILOG Elixir Enterprise, as well as delivering enhancements to all existing IBM ILOG Visualization products.

IBM ILOG Visualization products are designed to help developers build state-of-the-art user interfaces for business applications with advanced display needs. These needs may require highly sophisticated graphical displays, specialized interaction capabilities, or fast screen updates. These displays contain mission-critical data that must be effectively communicated to the business user and the advanced displays provided by the IBM ILOG Visualization products are ideally suited for this.

Creating these displays is not easy, and requires a variety of skills in graphics design, systems architectures, object-oriented design, and rich Internet application (RIA) deployment. IBM ILOG Visualization products-- tools, components, and APIs-- enable software developers to create these displays rapidly, and with reduced risk to the project schedule.

IBM ILOG Elixir Enterprise is a new offering specifically designed for creating innovative business user interfaces. It provides a full spectrum of advanced, ready-to-use displays that large enterprises often need in their software applications, including:

- 3D charts
- Radar charts
- Treemap charts
- Dials and gauges
- Organization charts
- Maps and heatmaps
- Timelines and calendar
- Resource-oriented and task-oriented schedule displays
- Advanced services for creating intuitive diagram displays

These components are designed for developers using Adobe Flex and can be deployed anywhere that Adobe Flash is deployed, ensuring widespread availability. Using Elixir Enterprise saves organizations development time and reduces their project risk, while delivering a first-class user interface experience to their end-user.

Additional IBM ILOG Visualization products that are enhanced include:

- Java-based IBM ILOG JViews Enterprise and IBM ILOG JViews Maps for Defense products
- C++ products: IBM ILOG Views, IBM ILOG Views Charts, IBM ILOG Views Graph Layout, IBM ILOG Views Maps, and IBM ILOG Views Data Access

IBM Business Partners and Resellers will find these products available through the Software Access Catalog as well as comprehensive information for partners through the IBM ILOG technologies section on IBM PartnerWorld®.

Key prerequisites

For details, refer to the Hardware requirements and Software requirements sections.
Planned availability date

- June 4, 2010: Electronic availability
- June 18, 2010: Media availability

Refer to the complete letter for national language availability.

Description

IBM Visualization software lets user interface developers create highly graphical and highly customized displays for mission-critical business applications, independent software vendor (ISV) packaged applications, and systems integrator (SI) solutions. These advanced displays augment text-based displays. The products enable users to better understand data in underlying systems so they can react faster and smarter.

IBM offers developers a variety of products to help create these advanced graphical displays. These products consist of tools, components, and APIs for developers working with one of the supported programming platforms: C++, Java, or Adobe Flex. Developers can use the products as provided out-of-the-box, or customize them by changing the visual appearance or the user interactions to meet end-user requirements.

**IBM ILOG Elixir Enterprise**

Benefits

With IBM ILOG Elixir Enterprise, user interface developers can now create advanced business displays, providing many business benefits to organizations, including:

- Substantial cost savings versus in-house user interface development effort for these difficult display types.
- Reduced risk to project development schedule, by using proven, field-tested components backed by support and maintenance.
- Increased user satisfaction, with an interface that is intuitive and visually appealing, and that delivers information more effectively.
- Increased sales potential. The state-of-the-art appearance and design of the user interface can significantly improve the acceptance rate of products built with it.
- Improved reliability and quality, with years of successful installations in a wide variety of demanding application domains.
- Exceptional project support, with the renowned world-class IBM product support, training, and consulting services.

Features

- Offers a wide variety of sophisticated GUI controls (described in later text) that are needed by advanced business applications.
- Enables developers to use immediately the components as delivered out of the box. Optionally, the components are completely customizable, to accurately meet the requirements of the user.
- Builds on the Flex 4 Software Development Kit (SDK) enhancements, ensuring compliance with the latest features of the base platform.
- Integrates seamlessly with Adobe Flash Builder 4 Standard and Adobe Flash Builder 4 Premium Integrated Development Environments (IDEs).
- Fits naturally into the Flex environment, fully supporting the new Flex 4 SDK, its data-binding and event models, and also supporting the standard Flex user interaction effects.
- Deploys to the near-ubiquitous Flash platform, ensuring compatibility on nearly all browsers.
- Scales to handle large sets of data, in support of enterprise-level applications.
IBM ILOG Elixir Enterprise offers the following broad categories of user interface controls:

- **Diagrams** show objects and their interconnections, and are commonly used in enterprise level applications. Typical uses include flowcharts, organization charts, network topologies, process modelers, and Web site viewers.
  
The product includes a collection of sophisticated services for rendering, organizing and interacting with diagram displays. It includes the most popular graph layout algorithms that automatically rearrange the objects and their interconnections, even with very large diagrams (for example, thousands of elements). Additional services, such as swimlanes and subgraphs, help ensure the diagram and elements are organized for maximum readability.
  
Also included is a specialized diagram display, an organization chart, used to display the employee hierarchy in a business.

- **Schedule displays** are specialized types of time-based charts (Gantt charts) to show how business resources are allocated over time. The product includes both task-oriented displays, typically used in project management applications, and resource-oriented displays used for planning applications.

- **Charts** are a classic display type to depict a series of data points and can be used to show historical (static) data or updating data. The product includes a variety of 3D charts that complement the 2D charts that Adobe provides. In addition, the product includes radar charts, which are used to compare key performance indicators; treemap charts, an innovative analysis display for detecting trends and outliers in large data sets; and a Pivot chart service.

- **Maps** show where data points or assets are physically located. The product includes a vector map display capability, for depicting attributes in their correct geographic positions, and heat maps, to show how data is distributed over a region.

- **Calendars and timelines** are another set of displays that show how events are organized, either in the familiar day/week/month view or as a linear sequence of events. The product supports many variations of each of these.

- **Dials and gauges** show the current values of key performance indicators (KPIs). The product includes a wide variety dials and gauges that are all fully interactive and connectable to real-time data.

Each of these broad categories of user interface controls has many individual controls available within them. For example, there are approximately two dozen charts and also two dozen dials and gauges provided out-of-the-box, each with numerous parameters that can be tailored via the Flash Builder IDE or directly from the SDK. The product also provides IDE wizards to let developers easily create additional custom components.

The IBM ILOG Elixir Enterprise controls can be used individually or in combination, alongside other Flex components. It is ideally suited for building business activity monitoring dashboards, data analysis displays, and planning and human resources applications.
BPM example

Dashboard example
Industries

IBM ILOG Elixir Enterprise contains a variety of components, which are designed to be applicable across all industry domains. An organization chart, for example, is not specific to any one industry domain and can be included in many types of human resource applications.

Additionally, the IBM ILOG Elixir Enterprise components are particularly well-suited to the following industry and application types:

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<td>Banking and finance, healthcare, retail, life sciences</td>
<td>Data analysis</td>
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<tr>
<td>Manufacturing, energy and utilities</td>
<td>Industrial supervision</td>
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<td>Supply chain, enterprise resource planning (ERP), travel and transportation, manufacturing, media and entertainment</td>
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<td>Life sciences</td>
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<td>Business dashboards, business process design and monitoring, asset management</td>
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**IBM ILOG Elixir**

In addition to the new IBM ILOG Elixir Enterprise offering, IBM ILOG Elixir is also available. This product, also for Flex developers, contains a subset of the features of IBM ILOG Elixir Enterprise. For further information, visit [http://www-01.ibm.com/software/integration/visualization/elixir/](http://www-01.ibm.com/software/integration/visualization/elixir/)
Enhanced IBM ILOG JViews products

In addition to the introduction of IBM ILOG Elixir Enterprise, the IBM ILOG JViews (For details, refer to Software Announcement ZP10-0033, dated February 9, 2010) family of products, for developers working in Java and Ajax, is enhanced. They are:

- IBM ILOG JViews Enterprise gathers together many common advanced user interface displays into a single offering for Java and Ajax-based applications. Flexible application deployment options--IBM ILOG JViews Diagrammer, IBM ILOG JViews Maps, IBM ILOG JViews Gantt, and IBM ILOG JViews Charts Deployment editions-- are introduced.
- IBM ILOG JViews Maps for Defense provides customizable map displays for military command and control applications.

The new IBM ILOG JViews Enterprise version features:

- New support for the Google Chrome and Apple Safari browsers, enabling thin-client applications to be deployed to these browsers.
- New support for IBM WebSphere Application Server, WebSphere® Application Server Community Edition, and WebSphere Portal Server, to easily enable thin-client deployments
- Upgraded support of existing thin-client technologies, including newer versions of JavaServer Faces, Dojo, and the Apache Pluto, JBoss, and Liferay portal servers
- Innovative new Ajax-based user interaction capabilities, for a more desktop-like experience on the thin client
- Better globalization support, for easier Web deployment across multiple languages
- A new balloon-tree graph layout algorithm for diagrams; it is well-suited to displaying large radial graphs (such as Web site viewers) in a compact form
- Upgraded circular graph layout that now includes a smart, automatic clustering feature for better diagram compactness
- Support for IBM DB2 and Informix spatial database features, enabling map displays to seamlessly render spatial data stored in relational tables

Enhanced IBM ILOG Views products

Upgrades to the IBM ILOG Views family of products are also now available. They address the needs of developers working in C++, enabling them to quickly create high-performance user interfaces that can be ported across many desktop platforms. The products include:

- Views, offering the most advanced set of tools and components for building cross-platform portable, C++ user interfaces
- Views Charts, a Views add-on, for adding the most widely used chart displays to a Views-based user interface
- Views Graph Layout, a Views add-on, for intelligently rearranging diagram displays
- Views Maps, a Views add-on, extending Views with a map display capability
- Views Data Access, a Views add-on, providing easy creation of Views displays that connect to data bases

The C++ product line offers the following changes for the new versions:

- A new look-and-feel for UNIX® platforms, enabling a more modern visual look for all standard user interface controls (buttons, menus, and so on)
- Support for six new platforms (Refer to Hardware and Software requirements sections for more details.)

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via the IBM Web site

Reference information

Software Announcement ZP10-0033, dated February 9, 2010

Availability of national languages

A current list of languages supported is documented at

http://www-01.ibm.com/software/websphere/ilog_supported_languages.html

Program number

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Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM training Web site

http://www.ibm.com/services/learning/

Contact your IBM representative for course information.

Offering Information

Product information is available via the Offering Information Web site

http://www.ibm.com/common/ssi

Also, visit the Passport Advantage® Web site

http://www.ibm.com/software/passportadvantage

Publications

A Quick Start Guide is shipped with these products.

No other publications are shipped with these products.

The IBM Publications Center

http://www.ibm.com/shop/publications/order

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.
Technical information

Specified operating environment

Hardware requirements

IBM ILOG Elixir Enterprise

All operating systems supported on x86 32-bit hardware only

Other IBM ILOG Visualization products

For information on hardware requirements support for the other IBM ILOG Visualization products, visit


Software requirements

IBM ILOG Elixir Enterprise

Operating systems

• Windows7 including Enterprise, Home Premium, Professional, Starter, and Ultimate editions
• Windows® Vista including Basic, Business, Enterprise, Home Premium, and Ultimate editions
• Windows Vista SP1 and SP2 including Business, Enterprise, and Ultimate editions
• Windows XP SP2 and SP3 Professional editions
• Mac OS X Leopard 10.5
• LinuxFedora 12
• Linux® Ubuntu 9.10
• All operating systems supported on x86 32-bit hardware only

Java

• Apple Java SDK 5.0 for Mac OS
• Apple Jave SDK 6.0 for Mac OS
• IBM Java SDK 5.0 GA for Windows and Linux
• Sun Java SDK/JRE/JDK 6.0/1.6 for Windows and Linux

Other

Adobe Flex SDK 4.0.0

Other IBM ILOG Visualization products

For information on Software Requirements support for the other IBM ILOG Visualization products, visit

• http://www-01.ibm.com/software/websphere/products/visualization/

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.
Planning information

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the Software Subscription and Support (also referred to as Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available.

Packaging

The IBM ILOG product packages comprise:

- Product CD-ROMs, DVDs, or both
- Printed Quick Start Guide

This program, when downloaded from a Web site, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

IBM ILOG products use the security and auditability features of the host software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

Ordering information

For ordering information, consult your IBM representative or authorized IBM Business Partner, or visit


This product is only available via Passport Advantage. It is not available as shrinkwrap.

Product information

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Charge metrics definitions

Processor Value Unit (PVU)

Processor Value Unit (PVU) is a unit of measure by which this software product can be licensed. PVU entitlements are based on processor technology (defined within the PVU table by processor vendor, brand, type and model number). IBM continues to define a processor, for purposes of PVU-based licensing, to be each processor core on a chip. Each software product has a unique price per PVU. To determine the total cost of deploying an individual software product in a specific hardware environment, you must take the following steps:

1. For each processor core in the hardware environment on which the software product is to be licensed, determine the PVU requirement based on its processor technology per the PVU table.
2. Add the PVU requirements for all processor cores in the hardware environment.
3. Multiply the software product's price per PVU by the total number of PVUs required as determined in step 2 above.

PVU entitlements are specific to a software product and may not be exchanged, interchanged, or aggregated with PVU entitlements of another software product. Unless you have deployed eligible sub-capacity products according to the sub-capacity terms, you must obtain PVU Proof of Entitlements (PoEs) for the maximum number of activated physical processor cores in the hardware environment made available to or managed by the software product. This is also referred to as full capacity licensing.

1 For information regarding PVU and sub-capacity licensing, including the latest PVU table, visit


2 Activated processor cores are physical processor cores that are available for use in a server. They include processor cores:
   - That are activated (available for use) when the server is shipped by the manufacturer
• That are activated subsequently through activation codes purchased from the server manufacturer by the customer
• Whose capacity can be limited by the customer through Virtualization technologies, Operating System commands and BIOS settings

**Resource Value Unit (RVU)**

RVU is the unit of measure by which this program is licensed. RVU entitlements are based on the quantity of a specific designated measurement for the given program. A Proof of Entitlement (PoE) must be obtained for the appropriate number of RVUs required for your environment as defined by the specific program terms. The RVU entitlements are specific to the program and may include, but are not limited to the following: Client Devices, data source records, messages, and servers, and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program. To understand these benefits of RVU licensing, and to determine how many RVUs to obtain for the program, contact your IBM representative.

**Authorized User**

Authorized User is the unit of measure by which this program is licensed. An Authorized User is an individual (named or unnamed) within or outside of your enterprise. The program may be installed on one or more computers or servers and accessed by the number of users authorized by the Proof of Entitlement (PoE). You must have an entitlement for each Authorized User accessing the program or any program component in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means.

**Passport Advantage program licenses**

**IBM ILOG Elixir Enterprise**

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**IBM ILOG JViews Enterprise**

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**IBM ILOG JViews Enterprise**

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**IBM ILOG JViews Enterprise**

Part description                                             Part number
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**IBM ILOG JViews Enterprise**

Part description                                             Part number
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**IBM ILOG JViews Enterprise**

Part description                                             Part number
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**IBM ILOG JViews Enterprise**

Part description                                             Part number
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**IBM ILOG JViews Enterprise**

Part description                                             Part number
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IBM ILOG JViews Maps for Defense

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IBM ILOG Views

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IBM ILOG Views

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IBM ILOG Views

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IBM ILOG Views

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IBM ILOG Views

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IBM ILOG Views

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Passport Advantage supply

ILOG Elixir Enterprise V3.0.0
ILOG Elixir Enterprise V3.0 Multiplatform English Media Pack B800PML
ILOG JViews Enterprise V8.7.0
IBM ILOG JViews Enterprise V8.7 Multiplatform B800NML
Multilingual Media Pack
ILOG JViews Maps for Defense V8.7.0
ILOG JViews Maps for Defense V8.7 Multiplatform B800LML
Multilingual Media Pack
ILOG Views Developer Edition V5.4.0
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ILOG JViews Maps for Defense V8.7.0

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**Product name**

IBM ILOG Elixir Enterprise  No  
IBM ILOG JViews Enterprise No  
IBM ILOG JViews Maps for Defense No  
IBM ILOG Views No

**Volume orders (IVO)**

No

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