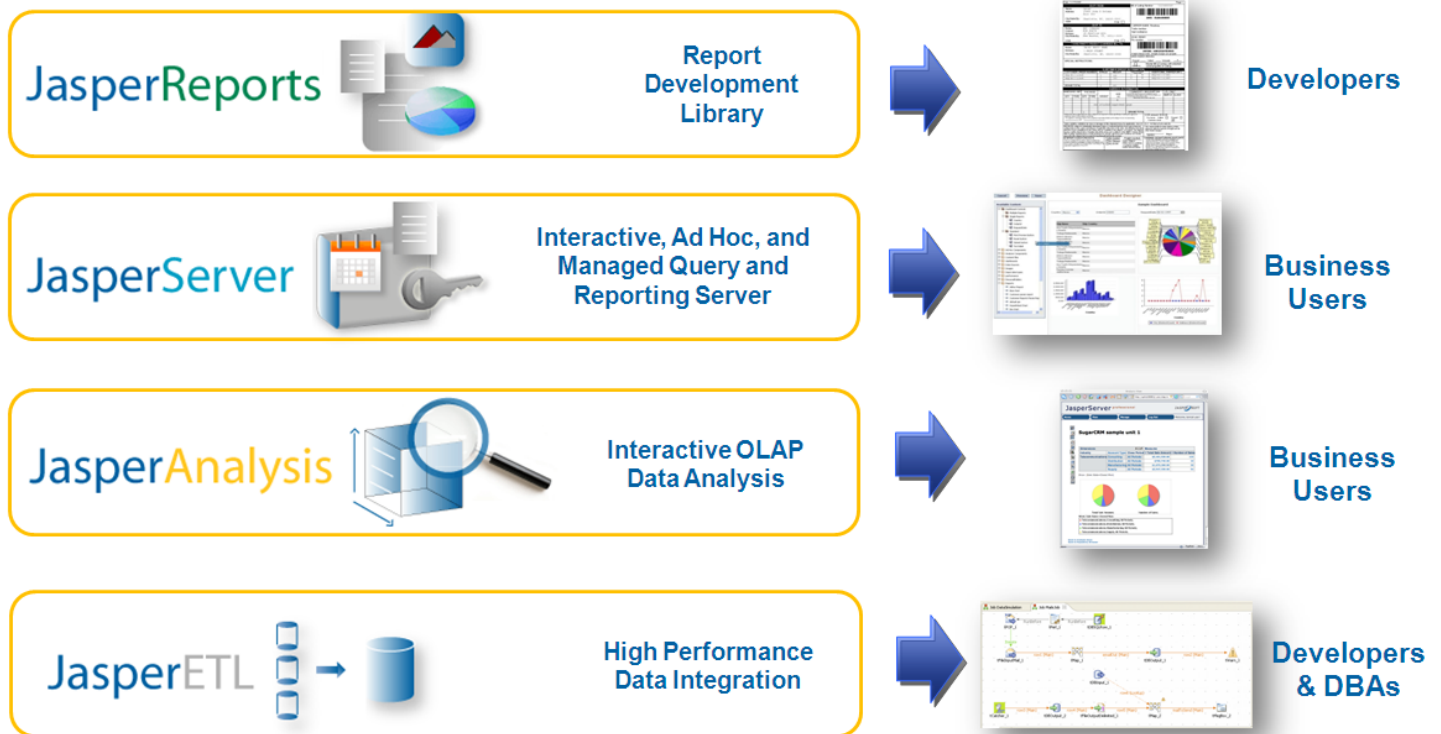


## Jaspersoft Business Intelligence Suite

The Jaspersoft Business Intelligence Suite builds on JasperReports and iReport, the world's most popular open source Java reporting library and graphical report designer, to provide a comprehensive family of Business Intelligence (BI) products. The suite spans the continuum of BI requirements, including operational reporting, interactive end-user query & reporting, dashboarding, production reporting, data analysis, and data integration. Products are available either stand-alone, or as part of an integrated suite utilizing common metadata and shared services such as security, repository, and scheduling. Jaspersoft is built on and exposes comprehensive public APIs enabling customization, extensibility, and seamless integration with other applications for businesses and developers.



AWARDS



## Web 2.0 Business Intelligence

Designed to be used by non-technical business-users by providing intuitive user interfaces, including extensive use of contemporary interactive Web 2.0 technologies such as Ajax and DHTML:

- **Web 2.0 User Interfaces** – a fully interactive browser-based interface built on Ajax, Dynamic HTML and other Web 2.0 technologies that provide interactive drag-and-drop functionality for non-technical business users that rivals the usability and responsiveness of traditional desktop applications, and can be integrated with or embedded in existing Web-based applications.
- **Ad Hoc Report Designer** – uses Web 2.0 technology to enable business users to easily build their own reports containing tables, crosstabs, and charts, as well as adding calculated fields, sorting, and report styles.
- **Ad Hoc Dashboard Builder** – uses Web 2.0 technology to create “twinkling” or self-refreshing key performance indicator gauges to be read at a glance and updated in near real-time, and the ability to create mash-up dashboards referencing external content.
- **Business View of Data Sources** – data source abstraction metadata layer and query generation engine, which provides managed point & click ad hoc query through easy to understand business views (known as “Domains”).
- **URL-Addressable Content** – reports, dashboards, and analysis views referenceable through parameterized URLs allows mash-ups with other applications.
- **iReport** – powerful graphical report designer for building advanced reports.

## Enterprise-Class Business Intelligence

Jaspersoft is ready to meet the requirements of large enterprises, as well as small and medium sized businesses, and other independent software vendors.

- **Web 2.0 interactive repository management user interface** – for managing reports, analysis views, and other BI content
- **Web 2.0 “Domain” designer** – for building and managing business views of data sources (“Domains”) to enable managed ad hoc query for non-technical users via simple business views of data sources.
- **Security Integration** – built-in Spring Acegi based authentication, authorization, and single sign-on integration with external security systems such as LDAP, Windows Active Directory Services, and more.
- **Secure Data Access** – granular user/role access control by row, column, cell, report, analysis view, data source, Topic, and Domain.

- **Scalable repository** – robust, scalable, and secure RDBMS-based storage for a broad range of content and metadata with an intuitive Web 2.0 user interface designed for business users.
- **Customizable User Interfaces** – web user interfaces are built on public APIs, and are ready-to-use as-is, customized, extended, or entirely replaced.
- **Scheduling Services** – built-in scheduling service provides for offline execution of large or periodic tasks such as standard reports, and automatic secure distribution via email.
- **Server Platform Support** – Certified support for a wide-range of commercial and open source operating systems (such as Windows, Linux variants, AIX, Solaris, HP-UX, etc.) and application servers (such as Tomcat, JBoss, WebSphere, and WebLogic, etc.).
- **Data Source Support** – any JDBC 2.0 or higher RDBMS data source, as well as support for a wide-range of non-RDBMS data sources such as XML, POJOs, MDX, EJBs, and Hibernate.
- **Ready To Run** – for convenience, Tomcat, MySQL and Liferay Portal are available bundled into ready-to-run installers and WAR distributions.

## Seamless Integration, Embedding, and Extensibility

Jaspersoft is designed for seamless integration or embedding into existing applications and IT infrastructure such as corporate authentication and authorization security directories, external scheduling systems, and external logging systems. This enables Jaspersoft to fully leverage existing IT infrastructure investments, while also making these built-in services available to customers as required.

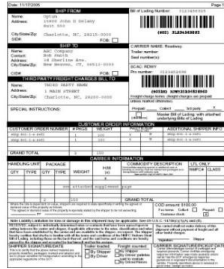
Developers can embed BI functionality using programmatic APIs:

- **Public Java APIs** – provide an abstraction mechanism to integrate a variety of business intelligence engines, backed by a metadata repository with secure access control.
- **Web Services** – provide service oriented architecture (SOA) interfaces, allowing remote and seamless language-neutral integration.
- **Web Services Wrappers** – for languages such as C/C++, PHP, and C# (.NET).
- **HTTP URL Interface** – Users can embed Jaspersoft BI content using simple parameterized URLs.

## JasperReports – Reporting Library

JasperReports, the world's most popular open source Java reporting library, is designed for developers and power-users. It can be embedded into any Java application to deliver sophisticated Web or pixel-perfect print-ready report rendering. For users with more sophisticated report management or ad hoc query, reporting, and dashboarding requirements, reports designed for JasperReports can be easily imported into JasperServer.

JasperReports is data source agnostic, and includes JDBC-wrapped data providers for relational databases, JavaBeans (EJB, Hibernate), plain old Java objects (POJO), and XML data sources. Also, custom data source providers can be easily added to support legacy or homegrown data sources, or to implement custom data source logic.

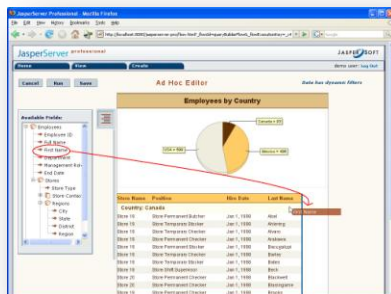


JasperReports includes built-in charting, variables and calculations, and is fully internationalized.

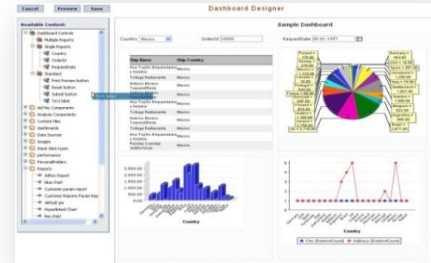
## JasperServer – Interactive Report Server

Designed for business users and developers, JasperServer builds on JasperReports to provide an interactive report server, enabling delivery of information on a real-time or scheduled basis. Through its support for intuitive ad hoc query, reporting, and dashboarding, utilizing contemporary Web 2.0 technologies such as Ajax and DHTML, JasperServer enables users to meet their own Business Intelligence needs, without burdening IT or application developers. JasperServer is also perfect for independent software vendors (ISVs) looking to embed OEM business intelligence capabilities.

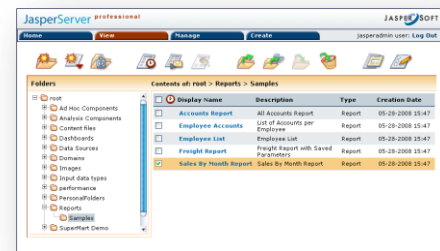
- **Ad Hoc Managed Query & Reporting** – intuitive Web 2.0 drag & drop query and report design, with a metadata abstraction layer providing a managed simple business view of data sources for end-users.



- **Ad Hoc Dynamic Dashboarding** – Web 2.0 drag & drop dashboard builder for business users, enabling mash-ups with other Web applications and near real-time dynamic refresh.



- **Report Management** – intuitive Web 2.0 point & click repository manager for managing reports, OLAP analysis views, scheduling, email distribution, security, and more.



- **Interactive Parameterized Reports** — report parameter prompts and other interactive controls can be easily defined, for controlling interactive aspects of reports such as filtering, sorting, or grouping of the report.
- **Global Support** – fully internationalized, multi-locale user interfaces from a single server, and support for multi-lingual reporting from a single report definition.
- **Portal** – built-in ready to use Liferay Portal server, and JSR-168 compliant portlet for integration with enterprise portals.
- **Integration and Embedding** – designed for integration via public Java APIs, SOA Web Services, or HTTP URL interfaces, as well as Web Services wrappers for C/C++, PHP, and C# (.NET).
- **Integrated iReport Report Designer** – designed for developers and power users to create almost any kind of report imaginable.
- **Flexible Output Formats** – Delivers information to wherever you need it. Output formats include HTML, PDF, Flash (SWF), Excel (XLS), CSV, Word (RTF), TXT and XML.

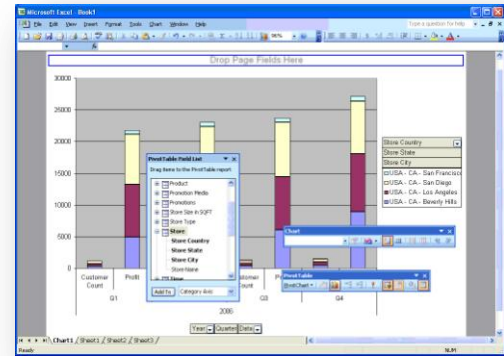
## JasperAnalysis – Data Analysis

JasperAnalysis provides “slice & dice” data analysis (also known as online analytical processing, or OLAP) capabilities to business users. It can be used to explore trends, patterns, anomalies, and correlations in data by allowing users to dynamically drill, pivot, filter, and chart data in real-time. Data can be secured by row & column (cell) by user & role, so business users only get access to authorized information.

JasperAnalysis includes an integrated relational OLAP server and a Web-based user interface:

- **Relational OLAP (ROLAP) Server** – JasperAnalysis “cubes” are virtual metadata mappings onto existing relational data sources such as a data marts, data warehouses, ODSs, or production databases. ROLAP leverages the investment, performance and scalability of underlying relational databases, and allows use of standard DBA skills to manage the ROLAP data store. Cube and analysis view definitions can be securely stored in the JasperSoft repository.
- **OLAP Web User Interface** – an easy to use web-based OLAP user interface application for non-technical business-users and analysts. It provides an intuitive slice & dice application to drill, pivot, and visualize the data, and includes charts, alerts, and drill-through to the underlying transactional detail.

- **JasperSoft ODBO Connect** – allows Microsoft Excel PivotTables to be used as a front-end for JasperAnalysis,



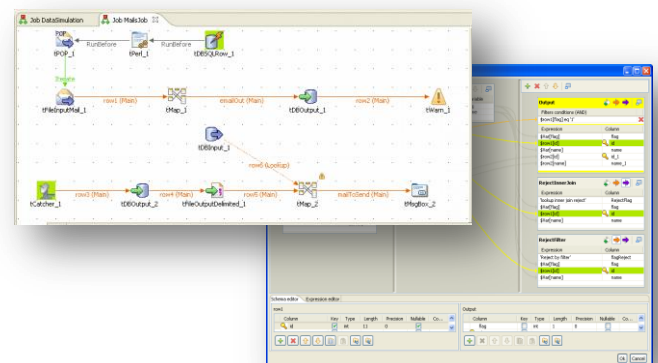
or Microsoft Analysis Services.

JasperAnalysis is compliant with the leading OLAP industry de-facto standards:

- **MDX** – a SQL-like query language for OLAP.
- **XML/A** – XML for Analysis Web Services for connecting OLAP clients and servers.

## JasperETL – Data Integration

JasperETL provides data integration (also known as extract-transform-load, or ETL) capabilities. JasperETL can be used to merge data from multiple sources into a single consistent store for reporting and analysis. JasperETL provides dramatic improvements in productivity, manageability, and scalability compared to traditional manual coding of data loading and transformation processes.



A typical usage of JasperETL is to move data from multiple normalized transactional data stores, through a data cleansing/improvement process, and into operational data stores, data marts or data warehouses. For example, JasperETL can be used to load data stores for reporting with reporting tools such as JasperReports and JasperServer, and to populate data marts and data warehouses for analysis using OLAP tools such as JasperAnalysis.

- **Graphical Designer** – Powerful Eclipse rich-client graphical designer includes a Business Modeler, Job Designer, Transformation components, Code Viewer, Metadata configuration, Repository integration, Job execution, and Job scheduling. The graphical Job Designer includes transformation components to perform various operations such as slowly changing dimensions, data transformation on any field type, field concatenation & interchange, field filtering using constants, data rejection, formatting, lookups, sorting, de-duping, merging, and aggregation.
- **ETL or E-LT** – Transformations can be optionally performed as either ETL or E-LT operations. With E-LT, processing is pushed-down to the underlying RDBMS, in contrast to the more traditional ETL approach where processing takes place in the middle-tier server.
- **Data Sources** – Supports a wide range data sources and targets, including JDBC, delimited text, positional text, LDIF, XML. Custom data source components can be added to provide access to unusual or legacy data sources and targets.

## A Better Way to Create Software

Our **commercial open source** business model fulfills a wide range of business and developer requirements, encourages innovation, and promises accountability.

### Power of Community

Developers and users truly appreciate and give back to worthwhile open source projects. Since JasperReports and iReport were introduced as an open source project in 2001,

JasperForge has attracted over 200 public and private projects.

The power of community is evident in community-contributed product features, active forum participation, translations into more than 20 languages, and even global recognition of the JasperSoft brand name itself.

### Backed by a Commercial Company

Jaspersoft is a commercial open source company. We obtain revenue by granting Professional OEM commercial licenses to developers and OEM/ISVs. We also offer fee-based Professional licensing for internal use at businesses that want enhanced functionality, support, warranties, and indemnification.

Finally, we offer value-added documentation, training, and expert professional services. Combined, these revenue streams give us the means to innovate with products and services, and it ensures that organizations have viable alternatives to closed-source, proprietary solutions.

### Transparency

Transparency, or openness, goes far beyond just being able to view and modify source code. Transparency demands clarity when envisioning, developing, and delivering open

source software.

Because transparency is integral to our products and to our culture, your experience with JasperSoft will often be smoother, more interesting, and ultimately more lucrative than working with closed-source software companies. Jasper4 Solutions bring the power and ease-of-use of JasperSoft to popular business and IT applications, for example:

- Jasper4Salesforce – for salesforce.com
- Jasper4Sugar – for SugarCRM
- Jasper4Oracle E-Business Suite

The Jasper4 brand assures that you can finally get high-quality production reporting, interactive ad hoc reporting, OLAP analysis, dashboards, and data integration for select CRM, ERP, IT, and other applications. With Jasper4 Solutions, BI truly becomes part of the very fabric of your business.

Reduce development, support, and overall COGS to improve profitability by embedding a fully supported, globally proven reporting and BI solution

## Product Editions & Licensing

The Jaspersoft products are available in two editions: **Community** and **Professional**.

### Community Edition

The Community Edition provides BI functionality for open source developers and technology enthusiasts who want to add reporting and analytics to their applications and operational processes. The software is distributed by JasperSoft “as-is” and can be modified and redistributed under the terms of GNU GPL open source license.

### Professional Edition

The Professional Edition builds on the Community Edition and provides valuable benefits including:

- professional technical support up to 24x7
- advanced product features
- commercial license that includes legal indemnification and product warranties
- a professionally managed release cycle
- certified platform support for commercial and open source application servers, databases, and operating systems
- professional training

The Professional Edition is available as low-cost Standard or Premium subscription.

### OEM Licensing

The Professional Edition is also available under an OEM license that offers the same product, support, and business benefits, plus the rights to embed or redistribute Jaspersoft in commercially distributed (not open source) or on-demand software as a service (SaaS) applications.



## Obtaining Jaspersoft Software

Community Edition software is downloadable from [jasperforge.org](http://jasperforge.org).

Professional Edition software is available through annual and multi-year subscriptions. For a **free evaluation copy** or for more information, email [sales@jaspersoft.com](mailto:sales@jaspersoft.com) or visit our website at [jaspersoft.com](http://jaspersoft.com).

## Services and Support

Jaspersoft offers expert training, professional services, and the industry's **highest-rated technical support**.

### Technical Support

JasperSoft's expert Technical Support offers guaranteed response times, so all customers are assured that a support engineer is available to assist when needed. Per-incident

packages and annual subscriptions are available to deliver reliable and high quality support.

### Training

Jaspersoft conducts regular training classes. These classes were developed by the architects of the JasperSoft BI Suite products. Training can be delivered online or at your location using your own data. The classes are practical, with hands-on examples, to enable attendees to be productive with JasperSoft immediately.

### Professional Services

JasperSoft offers custom and pre-packaged Professional Services to help you with needs analysis, installation, customization, upgrades and migration, report development, integration, and implementation. JasperSoft Professional Services can help your organization reduce ramp-up time, and accelerate project completion.

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## Contact Jaspersoft Today

For information about Jaspersoft partnerships, OEM licensing, products, support, or services offerings:

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