

Embedded Reporting

Embedded reporting solves the data presentation challenge for organizations by accessing, compiling and formatting data directly from enterprise applications and delivering that information to appropriate end users via intuitive, relevant reports. With embedded reporting, organizations can deliver operational business intelligence, providing end users across the enterprise with real-time access to critical business information.

An embedded reporting solution integrates with the underlying enterprise application to become a natural part of the application. The result is that the organization can deliver and maintain a reporting solution in the same way that they deliver and manage their enterprise application.

The JReport Solution

JReport is the most scalable and flexible Java-based embedded reporting solution. JReport integrates sophisticated and powerful reporting functionality with enterprise applications based on the Java EE Specification.

Whether the need is an out-of-the-box solution or a toolkit to embed in a custom Java EE application, JReport provides a reporting solution that precisely meets end-user requirements. With more than 250 reusable report components and a powerful set of features, JReport empowers application developers to implement the reporting solution.

JReport also enables application developers to accommodate the effect of ever-changing business requirements and end user reporting demands on their applications. By leveraging JReport's high-performance reporting engine and clustering technology, JReport scales to meet the most demanding service level requirements.

With its Java architecture, JReport seamlessly integrates with all four layers of the Java EE application architecture to become a natural extension of the application:

- First, at the **Presentation Layer**, JReport integrates with JSPs to provide customizable, consistent end user interfaces.
- Second, at the **Application Logic Layer**, JReport interacts with the business logic of the application, including data and parameters via native Java APIs.
- Third, at the **Application Server Layer**, JReport is deployable to any Java EE application server.
- Finally, at the **Data Source Layer**, JReport supports distributed joins to mash up datasets from different data sources. Also, JReport can access any Java EE data source or persistence technology, including relational databases, Java Objects, EJBs and XML.

The JReport solution is comprised of multiple products including JReport Server Live, JDashboard, Visual Analysis, JReport Mobile, and JReport Designer, allowing users to interact with either predefined or ad hoc reports and dashboards delivered over the Web or mobile devices.

JReport Designer for Report Development

JReport Designer is a report development environment that enables sophisticated report design and presentation of critical business data:

- Interactive IDE
- Sophisticated Report Design
- Precise, Flexible Layout
- Reusable Report Objects
- Access Any Data Source



JReport Server for Report Generation and Management

JReport Server is a Java report generation and management tool that can be deployed to any Java EE application server:

- High Performance Engine
- Scale to Any Workload
- Seamless Integration SDK
- Pure Java EE Deployment
- Scheduling, Distribution, Alerting and Versioning



JReport Live for Information Delivery

With JReport, reports can be viewed in any modern enterprise format through a web browser via JReport Live technology and HTML5, or as standard business documents such as PDF, Excel, and RTF:

- Interactive HTML5 Technology
- Dynamic Sort, Filter & Drill
- Ad Hoc Reporting
- Tag Library for Customizable JSP
- Flexible Output Formats: PDF, Excel, XML, RTF, Email and more



Who Should Use Embedded Reporting?

The JReport embedded reporting solution helps application development teams bridge the information delivery gap between their Java EE applications and their end users.

JReport includes a familiar, robust report development environment to help speed the preparation and maintenance of reports. Because JReport is intuitive and Java-based, JReport gives the application developers the flexibility to work on both the underlying application and the reporting functionality.

The Embedded Reporting Solution for Operational Business Intelligence

Business Intelligence (BI) grew out of the need for enterprises to analyze their data to look for trends and to understand what has been going on with their businesses. Investments were made in data marts, data warehouses and BI tools to accomplish these tasks. In the past, limited end users could make broad strategic decisions using BI. As BI has become more accepted, it has grown and expanded to support more individuals. However, traditional BI has always had a bias towards examining and interpreting historical data, often at the expense of providing real-time access to real-time application data.

Operational data changes too fast to be stored within a traditional BI architecture. Commonly, this data does not move to a data warehouse or data mart in a timely manner. Therefore it does not provide real-time, actionable information needed by end users. In many cases, important relevant information exists, locked away, in Java EE applications. Application developers need a scalable way to present the information to end users.

Today's sophisticated enterprises need a complete reporting solution that delivers operational business intelligence made possible through a robust embedded reporting architecture.

Embedded reporting delivers integrated powerful reporting functionality within Java EE applications, regardless of platform. Using embedded reporting, organizations can access data directly from enterprise applications, compile it into relevant reports, format the reports as needed and present them to the appropriate end user. Transactional level data can be presented in complete, highly relevant, fully functional reports that deliver actionable real-time information to end users.

Embedded reporting can:

- Unlock data stored within traditional business intelligence architectures - delivering real-time data that is always current, always available.
- Deliver an enterprise-wide view of critical operational data - solving data presentation and information delivery problems.
- Manage scalable reporting functionality across a distributed enterprise environment -aligning developer resources to application development, not report writing.
- Reduce time to develop a reporting solution - integrating within the existing enterprise application.

More Information

[Watch an Online Demo about Seamless Report Integration](#)

Technical Requirements

Hardware/OS Requirements:

- Intel P4 Xeon 3.0 GHz
- Windows, Unix, Linux, z/Linux
- 2GB of RAM minimum
- 1GB of available hard disk space
- Java VM JDK 6 or above

Web Browser Support:

- Internet Explorer 9 and above
- Google Chrome 23 and above
- Firefox 20 and above



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