



JasperReports IO

Designed for modern cloud and microservices architectures

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JasperReports® IO

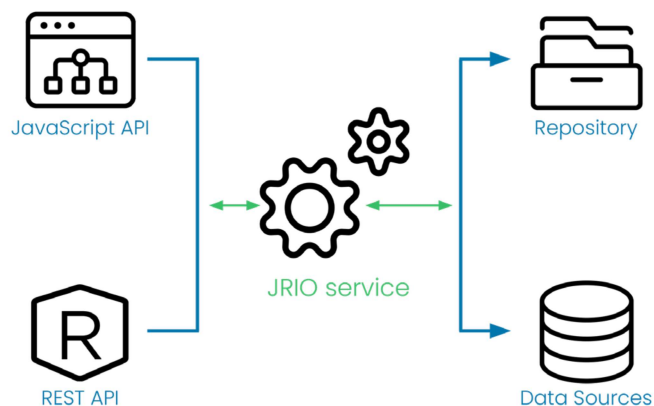
Designed for modern cloud and microservices architectures

Part of our commercial edition, JasperReports® IO (JRIO) is an HTTP-based reporting service that provides an interface to the JasperReports Library reporting engine through the use of a REST API and a JavaScript API. This powerful reporting engine can be used to deliver high volumes of reports to the masses or to embed highly interactive reports and visualizations seamlessly into web applications.

How Jaspersoft Works

The JasperReports IO service can be deployed in various ways, from a single web application with interactive reports for small-scale deployments, to container-based deployments in the cloud, where specialized services running in separate containers work together to deliver a single, embeddable reporting service for large-scale deployments.

Report templates, data sources, and all report resources are stored in a repository where all the resources used to run and create reports are stored and retrieved when reports are run by the JasperReports IO reporting service.



Key Features

Lightweight footprint, flexible platform

JasperReports IO software is a reporting microservice that is significantly lighter and faster than traditional BI tools because it is intentionally designed to do just one thing. This makes it well-suited for distributed, microservices architectures.

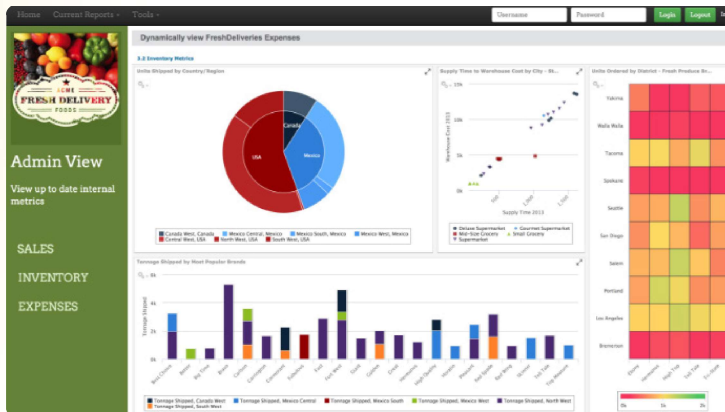
Install on any operating system and any topology, including private and public clouds like Amazon Web Services (AWS), Azure, and Google Cloud Platform (GCP). Jaspersoft supports any modern Java application server and database combination to match your application architecture.

Immersive embedded analytics

Jaspersoft excels at providing powerful analytical tools within the design and coding of an existing application, giving knowledge workers at every level the power to make data-driven decisions.

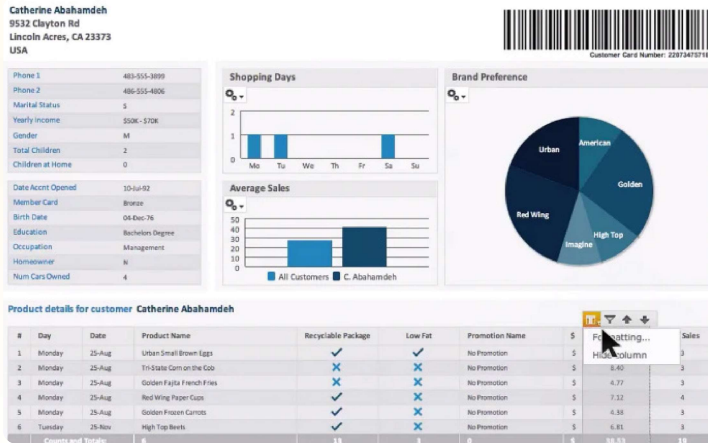
JasperReports IO exposes its functionality through a powerful REST API. The REST API provides services for running, exporting, and interacting with reports enabling developers to access it using simple API calls rather than using specific programming languages to leverage the engine.

Our Jaspersoft JavaScript API—Visualize.js— can be used for report execution. This allows developers to embed reports into web pages and web applications for an immersive embedded experience.



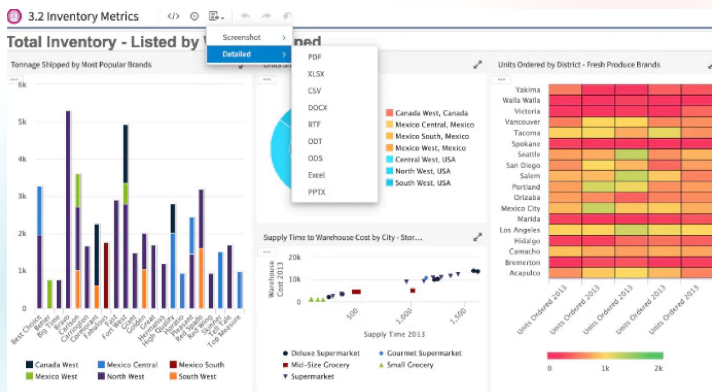
Pixel-perfect reporting

Our pixel-perfect design tools, Jaspersoft Studio and JasperReports Web Studio, makes it easy to design any report, document or form your business might require by creating jrxml files that are compatible with JasperReports. Pixel-perfect reports include HTML5 charts and can be made interactive to tap the rich data stored in operational systems and business applications.



Export to many file formats

Export a single report for visualization to more than 10 file formats, including PDF, CSV, OpenOffice, PDF, Microsoft PowerPoint, Word, Excel, RTF, text, XML and HTML for fully interactive web content, or simply send the data to be consumed via API by a third-party tool.



Data agnostic architecture

Report and analyze directly against relational, NoSQL, big- data, and cloud-data sources.

Deployment Options

JasperReports® IO Professional

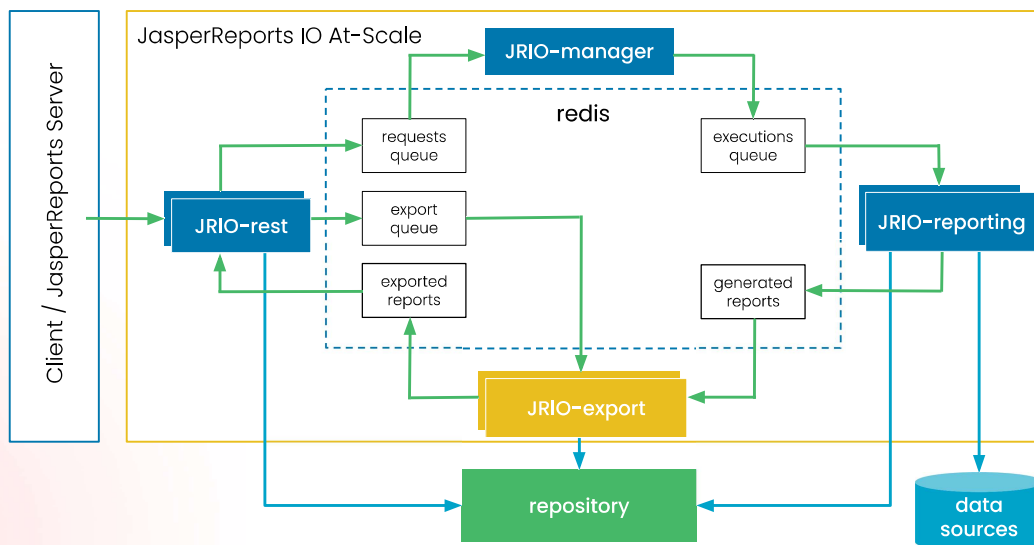
JasperReports IO Professional can simultaneously run up to the licensed number of concurrent report runs, with queuing of additional requests. Usage is restricted to a single machine instance and the dedicated connected applications.

If users need a cluster environment where multiple JasperReports IO instances are used to distribute the workload for a single end use application, we offer JasperReports IO At-Scale.

JasperReports® IO At-Scale

JasperReports IO At-Scale is a container-based deployment of JasperReports IO for enterprise applications that supports clustering. JasperReports IO At-Scale allows you to scale the JasperReports IO service in various ways because specialized sub-services run in separate containers but work together to deliver a single, embeddable reporting service. JasperReports IO At-Scale can also be used as a super-scalable reporting engine for JasperReports Server that is transparent to end users. In this configuration, the reports displayed in the server are processed by JasperReports IO At-Scale.

JasperReports IO At-Scale runs its services in separate Docker containers that work together in a Kubernetes cluster making it easy to scale up to thousands of reports per hour and thousands of pages per report. For DevOps pipelines, developers can run the same setup in staging as production, update existing versions and deploy new ones with ease, and achieve operational excellence.



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Global Headquarters
851 W Cypress Creek Rd.
Fort Lauderdale
FL 33309
+1 650-846-1000 TEL
+1 800-420-8450
+1 650-846-1005 FAX
www.jaspersoft.com

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