

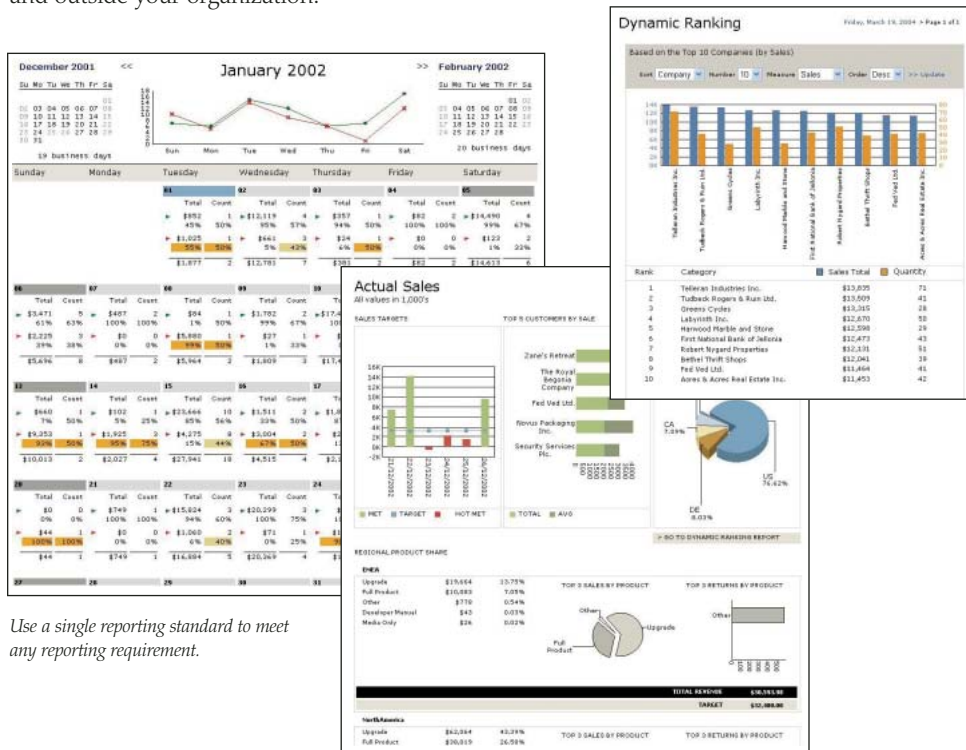
Crystal Reports Overview

- Access and present all your enterprise data with a single reporting solution
- Deliver up-to-date reports to end users securely over the web
- Integrate reporting functionality into your applications without complex coding

World Standard Enterprise Reporting

Do you struggle to combine data from multiple systems to create professional-looking reports? Can you deliver up-to-date reports over the web? How much time do you spend customizing and maintaining reports to address ever-changing user requirements? Is it too code-intensive for you to integrate reporting functionality into your applications?

Crystal Reports®—a proven, world standard solution—helps you design, manage, and deliver reports via the web and embedded in enterprise applications. It can provide you with a solid starting point for your business intelligence (BI) strategy by helping you securely deliver the most requested pieces of information—as highly-formatted reports—to end users both inside and outside your organization.



Use a single reporting standard to meet any reporting requirement.

Reporting is a continuous process—from accessing and transforming data into formatted reports, to delivering and managing them over the web, to integrating reports into applications and portals. As a powerful standard designed to address all stages of the reporting process, Crystal Reports allows you to:

- ▶ Access and present any data the way you want
- ▶ Deliver the right reports to end users at the right time
- ▶ Integrate reporting with applications and portals

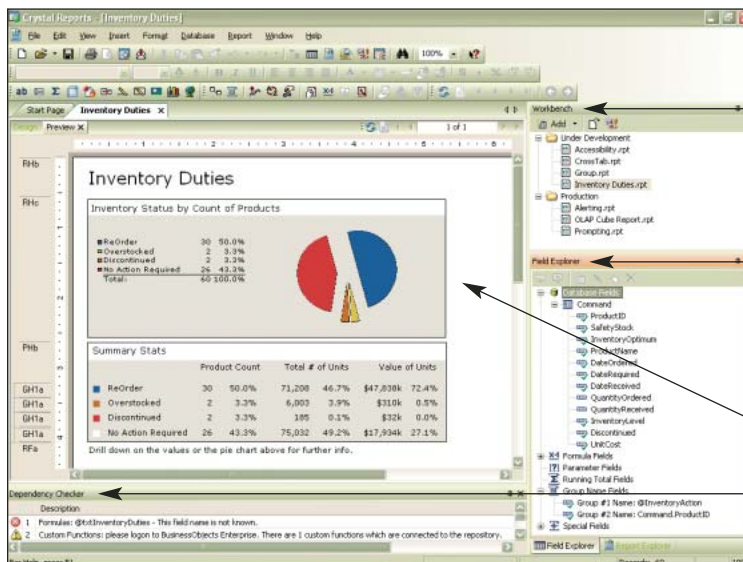
Access and Present Any Data the Way You Want

Accessing and combining data from multiple sources is often complex and requires multiple tools. Transforming this data into useful information just adds to the burden. Crystal Reports provides a unified standard for simplified data connectivity, flexible report creation, and reduced report maintenance. Not only can IT benefit from reduced overhead, but your end users will benefit from informed decision making.

Easily Access Any Data

Crystal Reports gives you flexible control over data connectivity so you can more easily satisfy ever changing end-user information requirements. With powerful data drivers and flexible ways to access data using Crystal Reports, you can connect to the data you need. The Crystal Reports data access capabilities allow you to:

- ▶ Choose from native, ODBC, OLE DB, and JDBC connectivity to databases, files, logs, enterprise applications, or program elements
- ▶ Select from more than 35 data drivers for direct, code-free access to almost any relational, OLAP, XML, or in-memory data
- ▶ Write your own SQL commands or use the powerful query generation capabilities for complete control over how the data is queried
- ▶ Present data from multiple sources and in multiple languages within the same report
- ▶ Access universes in BusinessObjects™ Enterprise to take advantage of a meta layer that masks the complexity of the data for simplified connectivity
- ▶ Set up business views as a data abstraction layer to ease the process of connecting to multiple data sources and to reduce the hassles of migrating reports from development to production



The Workbench allows users to keep projects organized by grouping reports according to preference.

The new Field Explorer simplifies navigation within the BusinessObjects Enterprise system and reporting components can be easily shared amongst users within the Crystal Reports Designer.

Easily identify the best chart for your data.

Use the dependency checker to automatically identify broken links, formula errors, and dependency issues.

Use the visual designer to create virtually any report based on any data.

Design and Format the Exact Reports Your End Users Demand

The Crystal Reports open design environment offers flexibility and control so you can create highly formatted reports that meet the diverse needs of your end users. Designed to help you create highly targeted information that drives decision making, Crystal Reports gives you the flexibility to:

- ▶ Create almost any report imaginable—from financial statements, top N sales reports, inventory calendars, mailing labels, and logistics summaries
- ▶ Choose from a complete set of layout and design controls—including charts, maps, grouping, and sorting—to give your reports a professional, pixel-perfect appearance without the need for tedious coding
- ▶ Use an intuitive report-design wizard and object-oriented explorers that help simplify common reporting tasks
- ▶ Customize most formatting controls—including formulas, conditional formatting, and object positioning—for flexible report customization

Speed Report Production and Reduce Maintenance Hassles

Crystal Reports can help you save precious time on customizing and maintaining reports for end users. Take advantage of Crystal Reports to:

- ▶ Minimize report volume by presenting end users with prompts that dynamically render pick lists based on up-to-date database content
- ▶ Create customized templates that automatically apply formatting and layout to any report
- ▶ Use custom functions to extract the business logic from formulas so they can be used across multiple reports without redundant coding
- ▶ Store common report elements (i.e. text objects, custom functions, SQL commands, and images), in a central repository for sharing among report developers and for batch updating from a single location
- ▶ Maintain a separation between data access/report design and the business logic of your application so that modifying or adding reports doesn't impact your core application
- ▶ Significantly reduce quality assurance time by using the new dependency checker to automatically identify broken links, formula errors, and dependency issues

Deliver the Right Reports to End Users at the Right Time

Delivering up-to-date reports to end users—both inside and outside of your organization—can be expensive and time consuming. Add to that the risk of your reports getting into the hands of the wrong users. Crystal Reports can help you reduce the costs of delivering information to end users by providing a secure, managed environment for flexible report viewing and interactivity.

Publish Reports to the Web for Secure Viewing and Scheduling

New to the Crystal Reports product family, Crystal Reports Server is a powerful enterprise reporting solution that can easily and efficiently deliver reports to end users. You can use its collection of web reporting services to:

- ▶ Publish any existing Crystal report to the web for secure viewing and interaction
- ▶ Deploy a customized portal for end-user access to reports in a zero-client environment
- ▶ Take advantage of granular object, user, and data-level security to specify user access to information and the actions those users can perform on a particular report
- ▶ Ensure that end users only access the reports they are entitled to by setting up business views security that manages reporting across multiple data sources and applications
- ▶ Schedule reports to process at exact times, based on specific events, and in pre-selected formats including PDF, Excel, and Word
- ▶ Set up, configure, and manage your reporting system remotely using a web-based administration console

Print reports with pixel-perfect quality.

Schedule reports to process at exact times, based on specific events, and in pre-selected formats

		FY03 Q3	FY03 Q4	FY04 Q1	FY04 Q2	FY04 Oct-QTD
Americas	Actual	475.97	484.21	529.30	549.89	191.24
	% of Total Revenue	74.63	68.93	75.78	71.24	66.4
	Quarterly Growth	39.30	1.73	9.21	3.89	33.6
	Yearly Growth	0.00	0.00	0.00	60.94	102.3
AsiaPac	Actual	25.98	29.57	22.13	29.34	6.26
	% of Total Revenue	4.07	4.21	3.17	3.80	2.6
	Quarterly Growth	4.94	13.78	-25.14	32.54	37.2
	Yearly Growth	0.00	0.00	-0.01	18.48	31.9
EMEA	Actual	135.61	188.71	147.02	192.68	40.27
	% of Total Revenue	21.29	26.86	21.05	24.96	16.9
	Quarterly Growth	18.47	38.96	-22.09	31.05	34.6
	Yearly Growth	0.00	0.00	-0.01	68.08	52.1
Totals	Actual	637.76	702.49	698.46	771.91	237.78

Revenue Statement

When

Run object: Nth Day of Month

Object will run on the Nth day of each month.

Day(N) = 1

Start Time: 7:57 PM 12/9/2004

End Time: 12:00 AM 12/9/2004

Database Login

Filters

Format

Report Format: Adobe Acrobat

Page range:

All pages

From [] To []

Print Settings

Deliver Crystal reports over the web with new Crystal Reports Server.

Empower End Users with Personalized Interactive Report Exploration

With Crystal Reports, you can reduce end-user reliance on IT while driving better decision making. Take advantage of Crystal Reports to let end users:

- ▶ Access a customizable portal for secure report viewing and interaction
- ▶ View, print, refresh, and search reports using a customizable thin- or zero-client viewer
- ▶ Export reports into a variety of formats including PDF and editable formats such as Word, Excel and new RTF
- ▶ Benefit from alerts and conditional formatting that appear when certain data conditions or threshold levels have been breached
- ▶ Navigate through related information using prebuilt links between reports and other objects
- ▶ Access a list of previously run reports for a better sense of trends over time
- ▶ Select from predefined parameters in a report and receive a subset of customized data

Integrate Reporting with Applications and Portals

A key requirement for any reporting solution is the ability to easily integrate it with existing systems, applications, and infrastructure. With universal integration to almost any environment, Crystal Reports provides a single reporting standard to address unique deployment requirements and to increase the longevity of your applications.

Build Report Interactivity within Your Applications

For application developers, Crystal Reports includes extensive software developer kits for easily integrating report viewing, printing, and exporting into Java, .NET, and COM applications. Additional interactive application program interfaces are available in Crystal Reports Server for end-user report modification and creation at runtime. Prebuilt portal integration kits are also available for quick deployment.

Deploy Individual Reporting Components or a Robust Reporting Server

Crystal Reports provides developers with deployment choices. Deploy individual Java, .NET, and COM reporting components directly on your application server and enjoy unlimited internal deployment licensing across any number of CPUs or servers within your organization. Or choose to offload report processing to Crystal Reports Server so you can centralize reporting across multiple applications and provide end users with greater report interactivity. Regardless of your choice, Crystal Reports uses a consistent object model so that migration from one deployment choice to another is seamless and straightforward.

Integrate with Leading Web Application Servers and Platforms

With Crystal Reports you can write your application in Java, .NET, or COM and deploy on Windows, LINUX, and UNIX. Plus with Crystal Reports Server, you can build multiple applications in Java, .NET, and COM that connect to a single centralized report repository. So there's no need to maintain redundant repositories for individual applications.

World Standard Enterprise Reporting

Build and Extend for the Future

Crystal Reports is an integral part of the unified business intelligence product suite from Business Objects. Because it is based on the same underlying infrastructure as BusinessObjects Enterprise, you can seamlessly extend your existing deployments. Should your needs evolve to require web-based query and analysis, dashboards, scorecards, analytic, or data integration capabilities, you can easily migrate your system from Crystal Reports to BusinessObjects Enterprise. Or, if you simply need to scale your Crystal Reports Server deployment across multiple servers for mission-critical, fault-tolerant reporting, you can easily migrate to BusinessObjects Enterprise with minimal code changes.

Get Help Where and When You Need It

To help you overcome common roadblocks as quickly as possible, Business Objects online communities for application development and report design offer the latest sample applications, code snippets, troubleshooting tips, and white papers. Plus, with Crystal Reports, you will be automatically alerted to the latest hot fixes and service packs.

The Best Choice on the Market Today

Crystal Reports is a proven world standard for designing, managing, and delivering reports via the web and embedded in enterprise applications. Billions of Crystal reports are used across the world to empower end-user decision making. More than 500 major independent software vendors include Crystal Reports as their reporting standard. Crystal Reports is embedded within leading enterprise application software from partners like Microsoft, SAP, Borland, BEA, and IBM. With Crystal Reports as the world class standard for reporting, Business Objects provides your organization with the extreme insight you need to extend your competitive advantage. To learn more about Crystal Reports or the BusinessObjects XI suite, visit our website at www.businessobjects.com.

► www.businessobjects.com

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