



PRODUCTS

Crystal Reports Access, Format, and Integrate Data

Crystal Reports is a powerful reporting toolkit that helps you design flexible, feature-rich reports. Its proven query technology gives you access to virtually any data source, including XML, OLAP, and enterprise data sources. Extensive formatting options deliver complete control over how the data is presented to your end users.

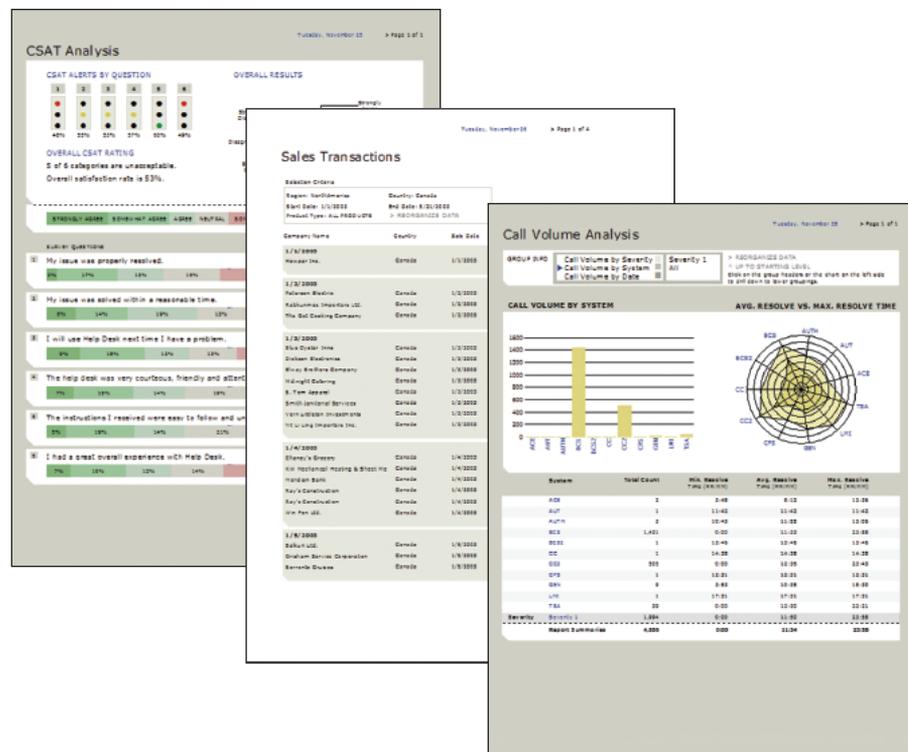
Let your end users refine their reports to meet their changing business needs. Crystal Reports includes more than 100 data presentation and interactivity options, including grouping, sorting, field highlighting, and running totals. For managed report delivery via the web, a special offer of Crystal Enterprise Express Edition is included in Crystal Reports Professional Edition.

Crystal Reports is available in different Editions to meet the needs of developers, report designers, and business users. Features discussed will vary based on editions and languages purchased.

A Powerful and Flexible Way to Transform Data

Can you access all of your enterprise data sources with a single reporting tool? Do you create professional-looking dynamic reports that meet the needs of your business users? Is precious time wasted customizing and maintaining reports to address changing business needs?

A world standard for high-performance report design, Crystal Reports® allows you to design flexible, feature-rich reports from your relational, OLAP, XML, or custom data sources. With more than 100 formatting options, Crystal Reports delivers complete control over data access and presentation. End users can drill down into reports, sort/filter information, refresh reports, print reports, and export them into many formats including PDF, Excel, and Word. Any Crystal report can be instantly published to Crystal Enterprise™ for end users to view, schedule, and share over the web.



Crystal Reports makes it easy to design complex specialized reports or graphical summary reports.

The advantages of Crystal Reports are:

- ▶ Broad data access
- ▶ Flexible formatting
- ▶ End-user interactivity
- ▶ Effective report maintenance and publishing

Crystal Reports

A Powerful and Flexible Way to Transform Data

Crystal Reports Benefits

- Transform your corporate data into powerful, dynamic information
- Maintain complete control over data access and presentation
- Empower end users with rich report interaction
- Minimize requests for report modifications
- All from a proven business intelligence leader

Data Sources

Access virtually any data source with native, ODBC, and OLE DB connectivity, including:

- Oracle
- IBM DB2
- Sybase
- Microsoft SQL Server
- Informix

Use Unicode strings to display stored data in almost any language and display multiple languages in a single report.

► Broad Data Access

With powerful data drivers and flexible ways to access data using Crystal Reports, you can connect to the data you need. Over 35 data source drivers are included for access to virtually any of your relational, OLAP, XML, or custom data sources.

Access to Any Data Source

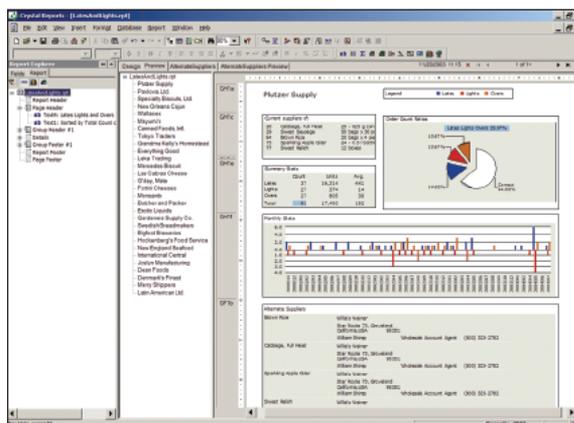
Easily connect to your enterprise data and satisfy your end-user information requests with broad data-access capabilities from Crystal Reports. You can connect to a unique data source or combine multiple data sources in one report. Combine your data from your content management database and inventory control systems in one location for detailed analysis.

Control over Data Access

You can have as little or as much control over database connectivity as you wish. Query your database using the proven query-generation capabilities of Crystal Reports or write your own SQL for complete control over database connectivity. By using Crystal Reports and Crystal Enterprise together, you can store key report objects in a central location for re-use across multiple projects or build detailed and specific business views to access required data.

► Flexible Formatting

Crystal Reports makes designing reports fast and easy. And its flexible design technology gives you complete control over how data is presented to your end users.



Use the Crystal Reports intuitive designer to create flexible, feature-rich reports.

Visual Design Environment

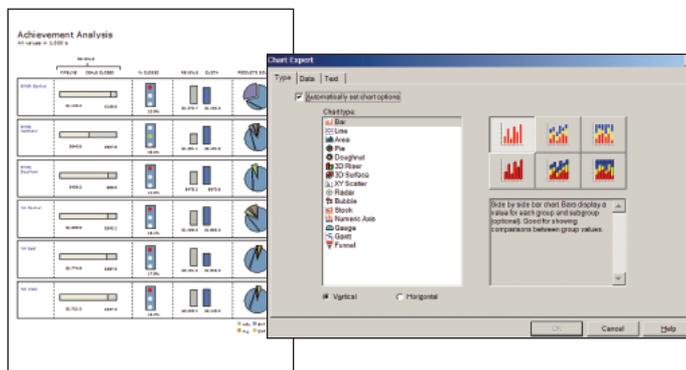
Quickly design interactive reports using an intuitive drag-and-drop interface and object-oriented explorers. Optional experts and wizards guide novice report developers through common tasks such as connecting to the data source, linking data tables, selecting fields and records, grouping, sorting, summarizing, and formatting.

Powerful Formula Language

The extensive formula language of Crystal Reports includes over 160 built-in functions and operators, as well as user-defined functions for complete control over report formatting complex logic, and data selection. It includes a codeless wizard, call stack, and auto complete for faster creation of any formula. You can eliminate redundant formula creation using custom functions—procedures that allow you to share and reuse formula logic across reports. You can also create valuable summary data that might not be present in your database.

Rich Data Presentation

Give your report a professional appearance with a complete set of layout and design controls. Create many different report types, including replicas of existing reports and forms, graphical summary reports, cross tabs, Top N or Bottom N reports. Increase the graphical impact of your reports by choosing from more than 20 chart and map types. Create and use customized templates to give all reports a consistent look without having to format them individually.



Crystal Reports provides more than 20 chart and map types.

► End-User Interactivity

Crystal Reports gives you the ability to build end-user interactivity into your reports. Let your end users refine their own reports to meet their changing business needs without requesting assistance from IT. Crystal Reports includes more than 100 data presentation and interactivity options, including grouping, sorting, field highlighting, and running totals.

Guided Navigation

Define specific navigation paths between report objects within the same or different reports for easier end-user navigation. Use hyperlinks to turn reports into interactive web documents that connect to related information, including other reports and web sites. Create reports that let end users drill down on relational and OLAP data to uncover easy-to-miss details.

Crystal Reports

A Powerful and Flexible Way to Transform Data

System Requirements

Crystal Reports

Operating System:

Microsoft Windows XP, NT 4 SP6a, 2000 SP 4 or above

Memory:

128 MB of RAM minimum,
256 MB of RAM
recommended

Hard disk:

350 MB or available disk space
recommended

Processor:

Pentium II or higher

Crystal Enterprise Express Edition

Operating System:

Microsoft Windows XP, NT 4 SP6a, 2000 SP4, Windows 2003 Server

Web Server:

iPlanet Web Server Enterprise 6.0 and 7.0, Microsoft Internet Information Services (IIS) 5.0 and 6.0, Apache 1.3.20 and 2.0, IBM HTTP 2.0, Lotus Domino 5.0.12 and 6.0.2

Memory:

512 MB of RAM

Hard disk:

2 GB of available hard disk
space recommended

Processor:

Pentium II or higher

Web Browser:

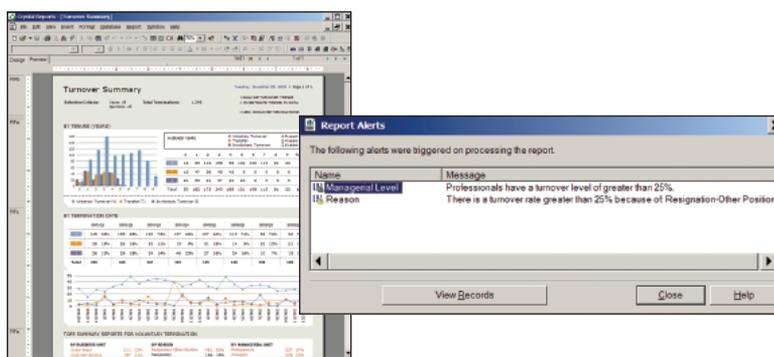
Microsoft Internet Explorer 5.x and 6, Netscape® Web server Enterprise 6.2 and 7.0, Safari 1.0 and OSx

Multiple Export Formats

Provide end users with reports in the formats they want. Export reports to more than ten formats, including PDF, Excel, and Word.

Parameters and Alerting

Let end users view the same data in different ways without creating multiple reports. End users can select predefined parameters in a single report to receive a subset of customized data. They can also receive report alerts for when certain data conditions—like an increase in revenue—are met.



Crystal Reports includes more than 100 data presentation and interactivity options, such as report alerts.

► Effective Report Maintenance and Publishing

The reporting lifecycle is a continuous process. Once reports have been created, the next challenge is to find an effective way to maintain reports and publish them to your end users. Using Crystal Reports in conjunction with Crystal Enterprise provides an effective solution for publishing reports to the web.

Managed Repository

Expedite the report maintenance process by storing key report objects, including text objects, SQL commands, bitmaps, and custom functions, in the repository, a central library for component re-use across reports. To create a managed system for report design and maintenance, you can share and secure repository objects with Crystal Enterprise and make them available through the Crystal Reports designer.

Publish to the Web

You can publish reports over the web using Crystal Enterprise. It has a multi-server architecture that enables you to distribute reports to a large number of users over the web. Use the zero-footprint DHTML Viewer to distribute interactive reports securely via corporate portal, intranet, extranet, and internet applications without plug-ins, downloads, or firewall issues. This gives end users self-service end access to reports, so that they can look at up-to-date information when necessary.

* Crystal Reports Professional Edition includes a special offer of Crystal Enterprise Express Edition (five named-user deployment license) for out-of-the-box web delivery.

► www.businessobjects.com

Americas
Tel: +1 800 877 2340

Europe
Tel: +33 1 41 25 21 21

Asia-Pacific
Tel: +65 6887 4228

Japan
Tel: +81 3 5720 3570



The Business Objects product and technology are protected by US patent numbers 5,555,403; 6,247,008; 6,578,027; 6,490,593; and 6,289,352. The Business Objects logo, the Business Objects tagline, BusinessObjects, BusinessObjects Broadcast Agent, BusinessQuery, Crystal Analysis, Crystal Analysis Holo, Crystal Applications, Crystal Enterprise, Crystal Info, Crystal Reports, Rapid Mart, and WebIntelligence are trademarks or registered trademarks of Business Objects SA in the United States and/or other countries. Various product and service names referenced herein may be trademarks of Business Objects SA. All other company, product, or brand names mentioned herein, may be the trademarks of their respective owners. Specifications subject to change without notice. Not responsible for errors or omissions. Copyright © 2003 Business Objects SA. All rights reserved. PT#DS701-A