BUSINESS OBJECTS®

Crystal Enterprise
The Industry's Best Enterprise Reporting

A Common Architecture for Data Access, Reporting, and Information Delivery

Is your reporting queue growing by the minute? Do you have a mixture of homegrown tools and stand-alone report writers to meet different needs? Do you struggle to combine data from multiple systems into a single report? Do you Do you find it difficult to modify already published reports?

Crystal Enterprise™ provides a common architecture for data access, reporting, and information delivery that allows you to quickly respond to any reporting or application development need. What's more, Crystal Enterprise is designed to integrate seamlessly with your existing data, web, and application investments without imposing a new set of standards and processes.
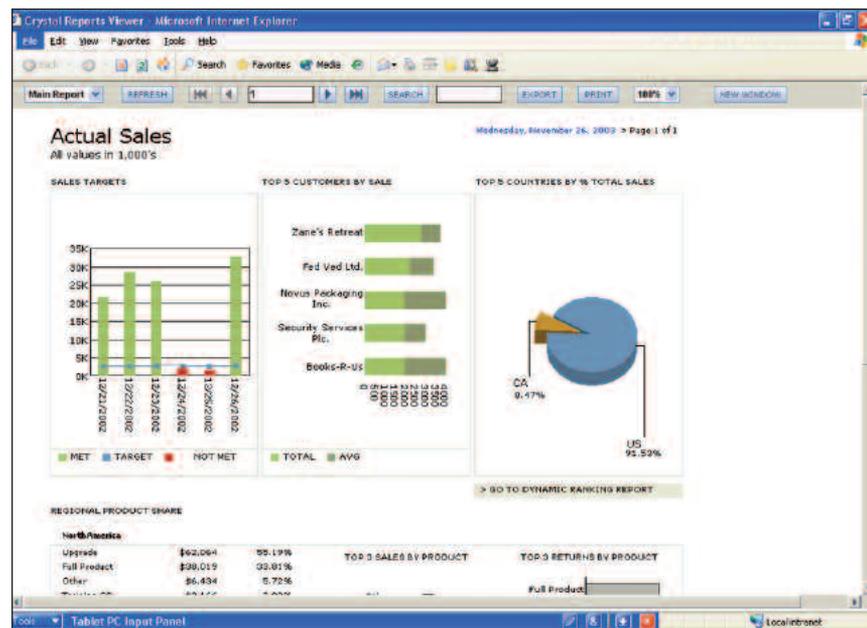
The Crystal Reports web viewer allows users to view, navigate, print, and export reports.

Built on Crystal Reports®, a world standard for high-performance report design, our enterprise reporting technology is a proven and effective solution for scaling information to hundreds— or thousands—of end users. With Crystal Enterprise, organizations will gain:

▶ Powerful report authoring to meet any reporting requirement
▶ Support for existing IT investments and standards
▶ Scalable infrastructure to serve broad user bases

A Common Architecture for Data Access, Reporting, and Information Delivery

▶ Powerful Report Authoring to Meet Any Reporting Requirement

Increase end-user satisfaction with rich, flexible reports from Crystal Enterprise. With Crystal Enterprise, you can integrate Crystal Reports and Crystal Analysis®, allowing end users to quickly create interactive reports from virtually any enterprise data source.

Flexible, Secure Data Access

The most valuable reports are often the ones that combine data from multiple sources into a single view. With Crystal Enterprise, administrators can predefine data sources for report designers, removing the complexity of table joins, SQL statements, and performance tuning from sight. Though you've simplified data access for report designers, you won't sacrifice data control. Crystal Reports allows users to write custom SQL statements, along with access to raw data.

Flexible Formatting

Flexible formatting is a key requirement for enterprise reporting. Crystal Reports and Crystal Analysis allow IT to build high-quality reports that end users require. With Crystal Reports, report designers can easily mimic existing business documents (e.g., financial statements) or completely revamp legacy report design to better meet user needs. With Crystal Analysis, designers can use Analysis Buttons™, configurable controls that link related views of multi-dimensional data, to create briefing books.
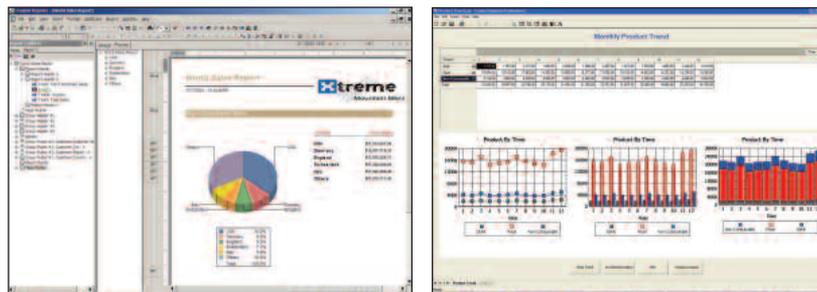
Crystal Reports and Crystal Analysis give report designers the flexibility to connect to any data source and the power to build rich reports for end users.

Advanced Formulas

Your report designers need to add value to data by presenting it in a way that addresses specific business needs. With formula languages in Crystal Reports and Crystal Analysis, you can filter data, perform complex business calculations, or format specific areas of the report. Complex case logic and built-in date, financial, and formatting functions give you almost limitless control over the result sets returned from the database.

Reuse Existing Reports

Building reports from scratch is a complex and time-consuming task. Crystal Reports makes it easier for groups of report designers—in the same department or across multiple business units—to collaborate on designs and share common report elements. With Crystal Enterprise, report designers can share and reuse complex business and formatting logic across multiple reports.

# ▶ Support for Existing IT Investments and Standards

Crystal Reports and Crystal Enterprise provide a full range of data access, presentation, and information delivery capabilities that you can integrate into any web application. With our rich developer interfaces, you can access all functionality for complete control over report listing, processing, modification, viewing, and administration.

Complete Software Development

With most enterprise applications, you can only customize the look and feel of the user interface. But with Crystal Enterprise, you can build user interfaces from scratch or embed additional custom reporting functionality into other applications. Using Crystal Enterprise, you will gain the flexibility to control processing, delivering, viewing, and content interaction while administering the system.

IDE Integration

Accessing and presenting data is an essential application requirement. To ease the integration process, we provide direct access to our report processing and integration services from major .NET, Java, and COM development environments. In many cases, Crystal Reports components ship with IDEs such as Visual Studio.NET, Borland C# Builder, and Borland Jbuilder.
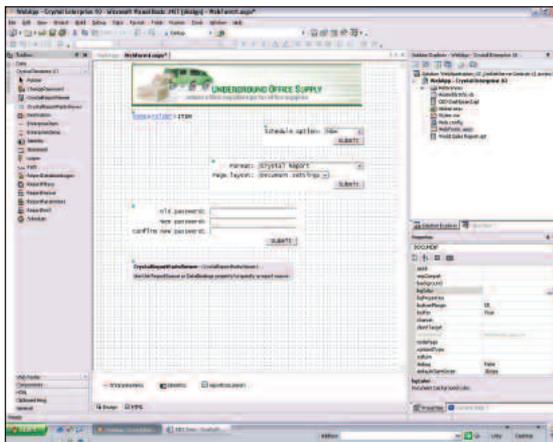
Use the Crystal Enterprise SDK to access advanced features and gain complete control over report integration, processing, and management in most major development environments.

Cross-Platform Support

Most organizations require support for multiple operating systems in a single deployment. Crystal Enterprise provides support for cross-platform deployments and the ability to run system components on a mix of standard operating systems including Windows 2000/NT, Sun Solaris, IBM AIX, and Linux. This allows you to easily fit Crystal Enterprise into your existing IT infrastructure.

XML Data Source Support

XML is rapidly emerging as an effective protocol for exchanging data and structured information between disparate systems, applications, and devices. Crystal Enterprise supports access to XML data sources and the output of XML data streams. Developers can custom tag individual field objects to conform to standard XML schemas or use our standard report schema to predictably extract and transform content from any Crystal Reports file.

Platforms:
Windows 2000, 2003, Sun
Solaris, IBM AIX

Customization Standards:
Java, Microsoft .NET, COM,
XML

HTTP Servers:
Microsoft IIS,
IBM HTTP Server,
Apache, iPlanet, Lotus Domino

Application Servers:
Tomcat, WebLogic,
WebSphere

Recommended Minimums:
One Gig RAM
Two Gigs available hard
drive space
CD-ROM

## ▶ Scalable Infrastructure to Serve Broad User Bases

Crystal Enterprise ensures that critical information is always available. At the very core of the system is a robust, cross-platform, multi-server infrastructure to organize, manage, and deliver information througout your organization. Built-in distribution capabilities automatically alert users of critical information via email, portals, or output reports in a variety of formats to specific destinations (e.g., email, FTP sites, network printers, etc.).

Tested Reliability

Eighth-generation clustering technology, automatic load balancing, and a redundant architecture ensure your deployment will remain available under a wide range of load scenarios. Third-party tests have confirmed that Crystal Enterprise can deliver 99.999% uptime.

Central Administration

Unlike other enterprise reporting systems, Crystal Enterprise is designed to support the central management of distributed reporting applications. Features such as change management technology, a unified data access model, and delegated administration allow Crystal Enterprise to support multiple applications running on a single infrastructure.
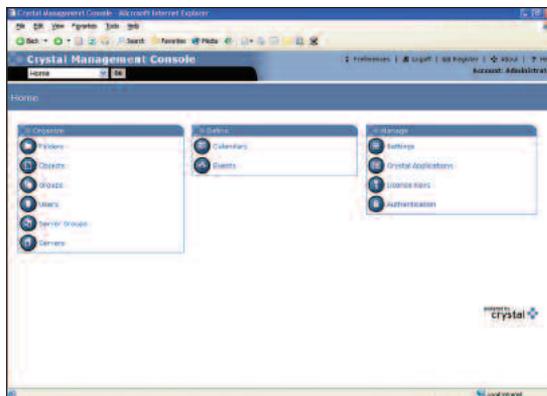
The Crystal Management Console provides a web-based administrative interface for configuring and tuning the Crystal Enterprise system.

Maximum Report Performance

Crystal Enterprise is architected for maximum performance. Specialized services handle either on-demand data access and report generation, or time- and event-based report scheduling.

Secure Information Delivery

Building on a hierarchical security model, Crystal Enterprise enables the application of rights at the folder, object, and data level. Finally, you can integrate Crystal Enterprise with third-party security systems such as LDAP, Active Directory, SAP, and Windows NT.

▶ www.businessobjects.com

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