



CRYSTAL REPORTS® FAMILY OF OFFERINGS

COMPARISON OF CRYSTAL REPORTS SOFTWARE FEATURES BY VERSION

Innovate and Excel with Crystal Reports® Software

The latest version of Crystal Reports® software from SAP continues our tradition of reporting excellence and innovation. Crystal Reports 2008 software enables your end users to consume reports that include stunning visualizations while they conduct on-report business modeling and execute decisions instantly from the report itself – reducing dependency on IT and developers. Equipped with a comprehensive set of new features for business users, report designers, and application developers, this latest version delivers actionable data for your organization. Crystal Reports Server 2008 software supports all new features in Crystal Reports 2008.

The comparison matrix presented in Table 1 (updated in September 2009) provides a checklist of features that are supported in current and previous versions of Crystal Reports.

Tap into Your Data Sources

Crystal Reports can connect to almost any data source – including relational, OLAP, and XML data. Whether you require access to databases, files, logs, program elements, application systems such as customer relationship management or enterprise resource planning, or other data sources, you can use Crystal Reports to access them.

Crystal Reports also supports Unicode, so you can report off of data stored in virtually any language. Plus, for

developers, access to user-defined or application in-memory data is available through JavaBeans, COM data providers, and ADO.NET.

For a listing of supported data sources through native drivers, OLE DB, ODBC, and JDBC, please visit our community site at <https://www.sdn.sap.com/irj/boc/businessobjects-articles>. Here, you can view and download a list of supported platforms.

Share Your Data Using Crystal Reports Server

Crystal Reports Server software lets you securely open, view, interact with, and share reports and dashboards over the Web. Empower your business users with access to reports and dashboards that embrace interactive graphs and what-if scenarios, and help them make better decisions. Crystal Reports Server enables you to:

- Securely access reports and dashboards on a single server
- Monitor performance with summary dashboards and detailed reports
- Personalize reports to anyone, anywhere, using data-driven publications
- Refresh reports in Microsoft Word, Excel, and PowerPoint documents
- Integrate reporting into Microsoft SharePoint
- Integrate reporting with custom Java or .NET applications

The comparison matrix presented in Table 2 (updated in September 2009) provides a checklist of features supported in current and previous versions of Crystal Reports Server.

Access Online Documentation and Technical References

You can access online documentation, forums, downloads, and more from the SAP support portal at www.sdn.sap.com/irj/boc/businessobjects-support.

Notes for Comparison Tables

¹DHTML, Java applet, and ActiveX viewers only

²DHTML, Java applet, Winform, ActiveX, and SAP BusinessObjects™ Enterprise Professional software offline viewers only

³DHTML, Java applet, Winform, and ActiveX viewers only

⁴DHTML, Winform, ActiveX viewers, and Crystal Reports® Viewer 2008 only

⁵DHTML, Winform, and Crystal Reports Viewer 2008 only

⁴DHTML, Winform, ActiveX, and Crystal Reports Viewer 2008 only

⁶DHTML, Java applet, Winform, ActiveX, and SAP BusinessObjects Enterprise Professional offline viewers only

⁷DHTML, Java applet, Winform, Crystal Reports Viewer 2008, and SAP BusinessObjects Enterprise Professional offline viewers only

⁸DHTML, Winform, ActiveX viewers, Crystal Reports Viewer 2008, and SAP BusinessObjects Enterprise Professional offline viewers only

⁹DHTML only

¹⁰These export features are only available in the designer and not in the Web interface

¹¹Read-only in Standard Edition

¹²Stored procedure support in Standard Edition is via ODBC for Microsoft Access, Excel, and SQL only

¹³Some components may be provided in English only

KEY Editions:

Advanced Developer, Developer, Professional, Standard

Crystal Reports Versions	Version 8		D	P	S
	Version 8.5	A	D	P	S
	Version 9	A	D	P	S
	Version 10	A	D	P	S
	Version XI		D	P	S
	Version 2008		D		

Table 1. Crystal Reports Software Comparison Matrix

High-Productivity Report Creation Features	2008	XI	10	9	8.5	8
Wizards and experts for report creation	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Database expert for graphical table linking	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Field explorer to manage report fields	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Drill down in runtime	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Autosave	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Editable preview window	D	D,P,S	A,D,P,S	A,D,P,S	D,P	D,P
Drag-and-drop fields	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Browse field data	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Move, resize, and multiselect objects	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Custom templates	D	D,P,S	A,D,P,S	A,D,P,S		
Repository for component reuse	D	D,P	A,D,P	A,D,P		
Workbench tool for managing projects	D	D,P,S				
Automatic patch notification and installation	D	D,P,S				
Start page to stay connected with latest information	D	D,P,S				
HTML preview ¹	D	D,P				
Extension points for custom wizards and toolbar buttons	D					
Multilingual report design and view	D					
Dual monitor support	D					

Comprehensive Formatting and Design Control Features	2008	XI	10	9	8.5	8
Cross-tab objects	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Subreport objects	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Save subreport as stand-alone report	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Text objects	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Automatic styles, autoarrange fields	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Drawing-style interface	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Line and box objects	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Multipass reporting with powerful grouping and sorting	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Top-n and bottom-n sorting	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Sorting on groups and detail records	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Hierarchical grouping	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Custom (named) grouping	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Conditional font and text formatting	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Formula control of formatting	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Text rotation	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Integrated charting	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Chart on subtotals, group details, and formulas	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Custom and bound images	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
BLOB bitmap support	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Graphic image support for BMP, TIFF, JPEG, PNG, PCX, TGA, and PICT formats	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Basic-like syntax in formula language	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Report options saved with report	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Copy entire objects to Microsoft Windows clipboard	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	
Hierarchical group summary	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	
Support for Unicode data and text	D	D,P,S	A,D,P,S	A,D,P,S		
Display string formatting	D	D,P,S	A,D,P,S	A,D,P,S		
Support for vector-based images	D	D,P,S	A,D,P,S	A,D,P,S		
Formula workshop for building formulas	D	D,P,S	A,D,P,S	A,D,P,S		
Custom functions to reuse logic	D	D,P,S	A,D,P,S	A,D,P,S		
Define report parts for portal integration	D	D,P,S	A,D,P,S	A,D,P,S		
Format painter to reuse formatting	D	D,P,S	A,D,P,S			
Asymmetric reporting	D	D,P,S	A,D,P,S			
Horizontal page numbers	D	D,P,S	A,D,P,S			
Parameterized n value for top-n style reports	D	D,P,S				
Drag-and-drop charting and cross-tabs	D	D,P,S				
Dynamic image location	D	D,P,S				
Save export options within the report	D	D,P,S				
Flash objects	D					
Cross-tab calculated members for custom rows and columns	D					
Insert blank lines in cross-tabs	D					
Change parameters without refreshing data	D					
Page break after n-detail records	D					
Page size measured in pixels	D					
Formula-driven page margins	D					
Portrait or landscape orientation by section	D					
Optional parameters	D					
Built-in bar-code support	D					

Interactive Analysis Tools	2008	XI	10	9	8.5	8
Smart navigation: group tree, drill down, and search	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Geographic maps	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Customizable cross-tabs	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Report alerts	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	
Integrated analyzer for charts	D	D,P,S	A,D,P,S	A,D,P,S		
Conditional formatting on charts	D	D,P,S	A,D,P,S	A,D,P,S		
Drill-down-level functionality	D	D,P,S	A,D,P,S	A,D,P,S		
On-report sort controls for interactive sorting	D					
Parameter panel for interactive filtering and formatting	D					
Adobe Flash integration (embed SWF objects)	D					
Viewers	2008	XI	10	9	8.5	8
Java plug-in viewer	D	D	A,D	A,D	D	D
ActiveX viewer	D	D	A,D	A,D	D	D
DHTML viewer	D	D	A,D	A,D	D	D
Netscape viewer plug-in		D	A,D,P	A,D,P	D,P	D,P
.NET WinForm viewer	D	D	A,D	A,D		
.NET WebForm viewer	D	D	A,D	A,D		
Report parts viewer	D	D	A,D	A,D		
Advanced viewer to search report and export results		D,P	A,D,P	A,D,P		
Grid viewer		D	A,D			
Mobile report parts viewer		D	A,D	A,D		
Exports Supported in Viewers	2008	XI	10	9	8.5	8
Export to Microsoft Excel	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to Microsoft Excel (data only)	D	D,P,S				
Export to CSV	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to Microsoft Word (RTF)	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to PDF	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	
Export to Microsoft Word (editable RTF)	D	D,P,S				
Export to XML with optional XSLT transform	D					
Viewer Features	2008	XI	10	9	8.5	8
Parameter prompts in Web viewers	D ¹	D,P	A,D,P	A,D,P	D,P	
Local printing and export	D	D,P	A,D,P	A,D,P	D,P	D,P
Page on demand	D ²	D,P	A,D,P	A,D,P	D,P	D,P
Customizable report viewer settings	D ³	D	A,D	A,D	D	D
Dynamic and cascading prompts	D ⁴	D,P				
Parameter panel for interactive filtering and formatting	D ⁵					
Support for long lists of values in a parameter prompt	D ⁴					
Drill down creates new tabs	D ⁶					
On-report sort controls for interactive sorting	D ⁷					
Custom zoom factor	D ⁸					
Processing indicator	D					
Render cross-tabs as DHTML tables for improved accessibility	D ⁹					

Report Viewing in the Report Designer	2008	XI	10	9	8.5	8
Export to DHTML (HTML 4.0; Designer only)	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to Microsoft Excel	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to Microsoft Excel (data only)	D	D,P,S				
Export to Microsoft Word (RTF)	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to CSV, paginated text, record style (columns of values), report definition, and tab-separated text and values	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to disk	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to application	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export to ODBC databases	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Microsoft Exchange	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Lotus cc:Mail		D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Lotus Notes	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Export and/or e-mail reports with saved data	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Drill down in runtime preview window	D	D	A,D	A,D	D	D
Export to XML	D	D,P,S ¹⁰	A,D,P,S ¹⁰	A,D,P,S ¹⁰	D,P,S ¹⁰	
Export to PDF	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	
Support for Microsoft Smart Tags in Microsoft Office XP	D	D,P,S	A,D,P,S	A,D,P,S		
Export to Microsoft Word (editable RTF)	D	D,P,S				
Export to XML with optional XSLT transform	D					
Search panel	D					
Report Types	2008	XI	10	9	8.5	8
Mailing labels	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Cross-tab reports	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Form-style reports	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Subreports	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Conditional reports	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Top-n and bottom-n reports	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Drill-down and summary reports	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
OLAP reports	D	D,P	A,D,P	A,D,P	D,P,S	D,P,S
Chart Types	2008	XI	10	9	8.5	8
Bar, stacked bar, column, stacked column	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Line, area, pie scatter, bubble	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Gantt, gauge	D	D,P,S	A,D,P,S	A,D,P,S		
Numeric or date/time x-axis	D	D,P,S	A,D,P,S	A,D,P,S		
Funnel	D	D,P,S	A,D,P,S			

Application Development Features	2008	XI	10	9	8.5	8
Report Designer Control (RDC)		D	A,D	A,D	D	D
Visual Control Library (VCL)		D	A,D	A,D	D	D
Support Microsoft Visual Basic 6.0 features		D	A,D	A,D	D	D
Support for unbound fields with auto binding	D	D	A,D	A,D	D	D
Active data driver support (ADO, RDO, CDO) for runtime data sources	D	D	A,D	A,D	D	D
Event and call-back support	D	D	A,D	A,D	D	D
User Function Libraries (UFLs) support COM objects	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S ¹¹	D,P,S ¹¹
Viewing SDK in .NET and Java	D	D	A,D	A,D		
Viewing SDK in COM		D	A,D	A,D	D	D
Report creation and modification SDK in .NET	D	D	A			
Report creation and modification SDK in Java	D	D	A			
Report creation and modification SDK in COM		D	A,D	A,D	D	D
Custom JSP Tag Library (for viewing)	D	D	A,D			
Compliant with Java Server Faces	D	D				
Server-side printing with RAS SDK	D	D				
Web service access to XML data	D	D				
Java UFLs (JRC only)	D	D				
Support for hierarchical data (ADO, ADO.NET)	D					
LINQ objects as a data source	D					
Create .NET add-ins	D					
Unicode-compliant UFL interface	D					
Developer edition supports these versions of Microsoft Visual Studio	2008, 2005, 2003	2005, 2003, 2002	2003, 2002	2003, 2002		
Versions of Microsoft Visual Basic supported by developer edition		6	6	5.6	5.6	5.6
Data Access Features	2008	XI	10	9	8.5	8
Heterogeneous data sources	D	D,P,S	A,D,P,S	A,D,P,S		
Select distinct query for selecting records	D	D,P,S	A,D,P,S	A,D,P,S	D,P	D,P
Top-n query for selecting records	D	D,P,S	A,D,P,S	A,D,P,S	D,P	D,P
SQL database access and pass-through	D	D,P,S	A,D,P,S	A,D,P,S	D,P	D,P
Ad hoc SQL command	D	D,P	D,P	D,P	D,P	P
Sort data on SQL database servers	D	D,P,S	A,D,P,S	A,D,P,S	D,P	D,P
Security pass-through	D	D,P,S	A,D,P,S	A,D,P,S	D,P	D,P
Database driver conversion	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
Group-by, aggregation, and SQL expressions supported on non-SQL database servers	D	D,P,S	A,D,P,S	A,D,P,S	D,P	D,P
Stored procedure support (access via ODBC, Oracle, Sybase, SQL Server, Watcom/SQL Anywhere)	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S ¹²	D,P,S ¹²
Unlimited SQL commands	D	D,P,S	A,D,P,S	A,D,P,S		
Support of multivalued parameters for SQL commands	D					

Language Editions ¹³	2008	XI	10	9	8.5	8
Chinese (Simplified)	D	D,P	A,D,P	A,D,P		
Chinese (Traditional)	D	D,P				
Dutch	D	D,P				D,P
English	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S	D,P,S
French	D	D,P	A,D,P	A,D,P	D,P	D,P
German	D	D,P	A,D,P	A,D,P	D,P	D,P
Italian	D	D,P	A,D,P	A,D,P		D,P
Japanese	D	D,P	A,D,P	A,D,P	D,P	D,P
Korean	D	D,P	A,D,P	A,D,P		
Norwegian	D					
Polish	D	D,P				
Portuguese (Brazil)	D	D,P				
Russian	D					
Spanish	D	D,P	A,D,P	A,D,P		D,P
Swedish	D	D,P				
Thai	D					

Table 2. Crystal Reports Server Comparison Matrix

Viewing and Interaction Features	2008	XI Release 2	XI
Report refresh on demand	√	√	√
Interactive Web-based viewer (ActiveX, Java applet)	√	√	√
Integrated end-user portal	√	√	√
End-user personalized and localized portal	√	√	√
Collaboration (discussion threads)	√	√	√
Integrated search feature	√	√	√
Consume interactive reports over the Web	√	√	
Offline viewing	√	√	
Interactive Web-based viewer (DHTML)	√		
Xcelsius® software viewing – Named User License (NUL) only	√		
Dashboard layout (NUL only)	√		
Manage, Secure, and Configure Features	2008	XI Release 2	XI
Web-based report management console	√	√	√
Security for groups, users, folders, and reports	√	√	√
Data-level security	√	√	√
Batch publishing of reports to the central repository	√	√	√
Security for groups, users, folders, and reports	√	√	√
Single sign-on	√	√	√
Page caching for scalability	√	√	√
Customizable Web portal interface	√	√	√
Security integration with LDAP, Keberos, eTrust SiteMinder, and Windows NT Active Directory	√	√	√
Report object repository (store SQL, text, and images)	√	√	√
Bulk action support on multiple selected objects	√		
Custom access levels for improved user management	√		
Deployment diagnostic tool	√		
Software inventory tool to track administrative changes	√		
Web-based centralized server management	√		
Auditing of user activity and system events	√		
Sample auditing reports	√		
Sharing and Publishing Features	2008	XI Release 2	XI
Report scheduler	√	√	√
Event-based report scheduling	√	√	√
Report scheduling of object packages	√	√	√
Distribution to e-mail, file share, and paper	√	√	√
Schedule alerts and notifications	√	√	√
Destination format to print	√	√	√
Destination format to Microsoft Excel and Word	√	√	√
Destination format to comma-separated values (CSV), paginated text, record style (columns of values), and tab-separated text and values	√	√	√
User and group profiles for tailored delivery	√	√	√
Global and recipient-level delivery rules	√	√	
Bulk management of scheduled instances	√	√	
Destination format to PDF and XML	√		
Data-driven publishing – Concurrent Access License (CAL) only	√		
Personalized publications (CAL only)	√		
Publication management (CAL Only)	√		
Publication failure handling (CAL Only)	√		

Support of Crystal Reports Features	2008	XI Release 2	XI
Semantic layer support (business views)	√	√	√
Print and export charts and reports over the Web	√	√	√
Drill down on charts and reports	√	√	√
Dynamic cascading prompts	√	√	√
Dynamic image location	√	√	√
Parameterized sorting and hierarchical grouping	√	√	√
Drag and drop cross-tabs	√	√	
Export to Microsoft Excel and allow grouping outlines	√	√	
Export to CSV supports options to control appearance	√	√	
Integrate Adobe Flash, Xcelsius software, and Adobe Flex in reports	√		
Interactivity with embedded visualizations	√		
On-report parameter panels	√		
On-report filter and sort controls	√		
Flexible Web pagination	√		
Custom calculations in cross-tab reports	√		
Customization and Integration Features	2008	XI Release 2	XI
Microsoft .NET API for application integration	√	√	√
Java API for application integration	√	√	√
Microsoft SharePoint integration	√	√	
IBM WebSphere portal integration	√	√	
Oracle WebLogic portal integration	√	√	
SAP® BusinessObjects™ Live Office software	√	√	
Licensing	2008	XI Release 2	XI
Combine CAL and NUL licenses	√	√	
Support up to 200 users	√		
Virtualization friendly (unlimited CPUs)	√		
Language Editions¹³	2008	XI Release 2	XI
Chinese (Simplified)	√	√	√
Chinese (Traditional)	√	√	√
Danish	√		
Dutch	√	√	√
English	√	√	√
French	√	√	√
German	√	√	√
Italian	√	√	√
Japanese	√	√	√
Korean	√	√	√
Norwegian	√		
Polish	√		
Portuguese (Brazil)	√	√	
Russian	√		
Spanish	√	√	√
Swedish	√	√	
Thai	√		

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