

COMPARISON OF FEATURES BY VERSION

FOR THE SAP® CRYSTAL REPORTS® FAMILY OF OFFERINGS

Innovate and Succeed with SAP® Crystal Reports® Software

The latest version of SAP® Crystal Reports® software continues our tradition of reporting excellence and innovation. SAP Crystal Reports 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.

The comparison matrix presented in Table 1 (updated in April 2010) provides a checklist of features in current and previous versions of SAP Crystal Reports.

Tap into Your Data Sources

SAP Crystal Reports can connect to almost any data source – including relational, online analytical processing (OLAP), and XML data. Whether you require access to relational databases, OLAP cubes, spreadsheets, log files, or applications, you can use SAP Crystal Reports to access them.

SAP Crystal Reports also supports Unicode, so you can report off data stored in virtually any language. For developers, access to user-defined or application in-memory data is available through Plain Old Java Objects (POJOs) and ADO.NET.

For an exhaustive listing of supported data sources, please visit our community site at www.sdn.sap.com/irj/boc/articles.

Secure and Share Reports and Dashboards

SAP Crystal Reports Server software lets you securely open, view, interact with, and share reports and dashboards over the Web. SAP Crystal Reports Server empowers business users by enabling them 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-drive publications
- Refresh reports in Microsoft Word, Excel, and PowerPoint documents
- Integrate reporting into Microsoft SharePoint
- Integrate reporting with custom Java or Microsoft .NET applications

The comparison matrix presented in Table 2 (updated in April 2010) provides a checklist of features supported in current and previous versions of SAP 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

⁴Not available with Java applet viewer

⁵DHTML, Winform, and SAP Crystal Reports Viewer 2008 only

SAP® Crystal Reports®
Versions

Key Editions:

Advanced Developer, Developer, Professional, Standard

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		

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

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

⁸DHTML, Winform, ActiveX viewers, SAP 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

Table 1. SAP® Crystal Reports® Software Comparison Matrix

High-Productivity Report Creation Features	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Wizards and experts for report creation	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Database expert for graphical table linking	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Field explorer to manage report fields	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Drill down in runtime	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Autosave	D			D,P,S	A,D,P,S	A,D,P,S	D,P,S
Editable preview window	D		D	D,P,S	A,D,P,S	A,D,P,S	D,P
Browse field data	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Move, resize, and multiselect objects	D	D	D	D,P,S	A,D,P,S	A,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	D	D,P,S			
Start page to stay connected with latest information	D	D	D	D,P,S			
HTML preview	D	D	D	D,P			
Extension points for custom wizards, toolbar buttons, and designer events			D				
Extension points for toolbar buttons	D						
Multilingual report design and view	D						
Dual monitor support	D	D	D				

Comprehensive Formatting and Design Control Features	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Cross-tab objects	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Subreport objects	D	D	D	D,P,S	A,D,P,S	A,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
Text objects	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Line and box objects	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Multipass reporting with powerful grouping and sorting	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Top-n and bottom-n sorting	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Sorting on groups and detail records	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Hierarchical grouping	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Custom (named) grouping	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Conditional font and text formatting	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Formula control of formatting	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Text rotation	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Integrated charting	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Chart on subtotals, group details, and formulas	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
BLOB bitmap support	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Graphic image support for BMP, TIFF, JPEG, PNG, PCX, TGA, and PICT formats	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
BASIC-like syntax in formula language	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Hierarchical group summary	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Support for Unicode data and text	D	D	D	D,P,S	A,D,P,S	A,D,P,S	
Display string formatting	D	D	D	D,P,S	A,D,P,S	A,D,P,S	
Support for vector-based images	D	D	D	D,P,S	A,D,P,S	A,D,P,S	
Formula workshop for building formulas	D	D	D	D,P,S	A,D,P,S	A,D,P,S	
Custom functions to reuse logic	D	D	D	D,P,S	A,D,P,S	A,D,P,S	
Define report parts for portal integration	D	D		D,P,S	A,D,P,S	A,D,P,S	
Format painter to reuse formatting	D	D	D	D,P,S	A,D,P,S		
Horizontal page numbers	D	D	D	D,P,S	A,D,P,S		
Parameterized n value for top-n style reports	D	D		D,P,S			
Drag-and-drop charting and cross-tabs	D		D	D,P,S			
Dynamic image location	D	D	D	D,P,S			
Save export options within the report	D			D,P,S			
Add XSLT Transform to XML export	D						
Flash objects	D	Runtime only	Runtime only				
Cross-tab calculated members for custom rows and columns	D	Runtime only	Runtime only				
Insert blank lines in cross-tabs	D	Runtime only	Runtime only				
Change parameters without refreshing data	D	D	D				
Page break after n-detail records	D	D	Runtime only				
Page size measured in pixels	D	D	Runtime only				
Formula-driven page margins	D	D	Runtime only				
Portrait or landscape orientation by section	D	D	Runtime only				
Optional parameters	D	D	Runtime only				
Built-in bar-code support	D	Runtime only	Runtime only				

Interactive Analysis Tools	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Smart navigation: group tree, drill down, and search	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Geographic maps	D			D,P,S	A,D,P,S	A,D,P,S	D,P,S
Customizable cross-tabs	D	D	D	D,P,S	A,D,P,S	A,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,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	D	D,P,S	A,D,P,S	A,D,P,S	
On-report sort controls for interactive sorting	D	D	Runtime only				
Parameter panel for interactive filtering and formatting	D	Runtime only	Runtime only				
Adobe Flash integration (embed SWF objects)	D	Runtime only	Runtime only				
Viewers	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Java applet viewer	D		D	D	A,D	A,D	D
ActiveX viewer	D			D	A,D	A,D	D
WPF viewer		D					
DHTML viewer	D		D	D	A,D	A,D	D
Netscape viewer plug-in				D	A,D,P	A,D,P	D,P
.NET Winform viewer	D	D		D	A,D	A,D	
.NET WebForm viewer	D	D		D	A,D	A,D	
Report parts viewer for portal integration	D	D	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	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Export to Microsoft Excel	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to Microsoft Excel (data only)	D	D	D	D,P,S			
Export to Microsoft Workbook (data only XLSX)		D					
Export to CSV	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to Microsoft Word (RTF)	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to PDF	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to Microsoft Word (editable RTF)	D	D	D	D,P,S			
Export to XML with optional XSLT transform	D	D					
Viewer Features	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Parameter prompts in Web viewers	D ¹	D	D	D,P	A,D,P	A,D,P	D,P
Local printing and export	D	D	D	D,P	A,D,P	A,D,P	D,P
Page on demand	D ²	D	D	D,P	A,D,P	A,D,P	D,P
Customizable report viewer settings	D ³	D	D	D	A,D	A,D	D
Dynamic and cascading prompts	D ⁴	D	D	D,P			
Parameter panel for interactive filtering and formatting	D ⁵	D	D				
Support for long lists of values in a parameter prompt	D ⁴	D	D				
Drill down creates new tabs	D ⁶	D	D				
On-report sort controls for interactive sorting	D ⁷	D	D				
Custom zoom factor	D ⁸	D	D				
Render cross-tabs as DHTML tables for improved accessibility	D ⁹	D	D				

Report Viewing in the Report Designer	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Export to DHTML (HTML 4.0; Designer only)	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to Microsoft Excel	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to Microsoft Excel (data only)	D	D		D,P,S			
Export to Microsoft Workbook (data only XLSX)		D					
Export to Microsoft Word (RTF)	D	D		D,P,S	A,D,P,S	A,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		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to disk	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to application	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export to ODBC databases	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Microsoft Exchange	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Lotus cc:Mail				D,P,S	A,D,P,S	A,D,P,S	D,P,S
Lotus Domino	D	D					
Lotus Notes				D,P,S	A,D,P,S	A,D,P,S	D,P,S
Export or e-mail reports with saved data	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Drill down in runtime preview window	D	D		D	A,D	A,D	D
Export to XML	D	D		D,P,S ¹⁰	A,D,P,S ¹⁰	A,D,P,S ¹⁰	D,P,S ¹⁰
Export to PDF	D	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		D,P,S	A,D,P,S	A,D,P,S	
Export to Microsoft Word (editable RTF)	D	D		D,P,S			
Export to XML with optional XSLT transform	D	D					
Search panel	D						
Report Types	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Mailing labels	D			D,P,S	A,D,P,S	A,D,P,S	D,P,S
Cross-tab reports	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Form-style reports	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Subreports	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Conditional reports	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Top-n and bottom-n reports	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Drill-down and summary reports	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
OLAP reports	D			D,P	A,D,P	A,D,P	D,P,S
Chart Types	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Bar, stacked bar, column, stacked column	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Line, area, pie scatter, bubble	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Gantt, gauge	D	D	D	D,P,S	A,D,P,S	A,D,P,S	
Numeric or date-time x-axis	D	D	D	D,P,S	A,D,P,S	A,D,P,S	
Funnel	D	D	D	D,P,S	A,D,P,S		

Application Development Features	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Report Designer Control (RDC)				D	A,D	A,D	D
Visual Control Library (VCL)				D	A,D	A,D	D
Support Microsoft Visual Basic 6.0 features				D	A,D	A,D	D
Support for unbound fields with auto-binding	D	D		D	A,D	A,D	D
Active data driver support (ADO, RDO, CDO) for runtime data sources	D	D		D	A,D	A,D	D
ADO.NET data source	D	D					
POJO data source	D		D				
Event and call-back support	D	D		D	A,D	A,D	D
User Function Libraries (UFLs) support COM objects	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S ¹¹
Viewing SDK in .NET and Java	D	D	D	D	A,D	A,D	
Viewing SDK in COM				D	A,D	A,D	D
Report creation and modification SDK in .NET	D	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
Custom JSP Tag Library (for viewing)			D	D	A,D		
Compliant with Java Server Faces				D			
Server-side printing with RAS SDK	D	D	D	D			
Web service access to XML data	D		Runtime only	D			
Java UFLs	D		D	D			
Support for hierarchical data (ADO, ADO.NET)	D	D					
LINQ objects as a data source	D	D					
Create .NET add-ins to the designer	D						
Unicode-compliant UFL interface	D	D					
Support for these versions of Microsoft Visual Studio	2008, 2005, 2003	2010		2005, 2003, 2002	2003, 2002	2003, 2002	
Versions of Microsoft Visual Basic supported by developer edition				6	6	5.6	5.6
Data Access Features	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Heterogeneous data sources	D	D		D,P,S	A,D,P,S	A,D,P,S	
Select distinct query for selecting records	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P
Top-n query for selecting records	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P
SQL database access and pass-through	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P
Ad hoc SQL command	D	D	D	D,P	D,P	D,P	D,P
Sort data on SQL database servers	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P
Security pass-through	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P
Database driver conversion	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S
Group-by, aggregation, and SQL expressions supported on non-SQL database servers	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P
Stored procedure support (access via ODBC, Oracle, Sybase, SQL Server, Watcom/SQL Anywhere)	D	D		D,P,S	A,D,P,S	A,D,P,S	D,P,S ¹²
Unlimited SQL commands	D	D	D	D,P,S	A,D,P,S	A,D,P,S	
Support of multivalued parameters for SQL commands	D	D					
Web service data access	D		Runtime only	D,P			
OLAP data access	D			D,P	D,P	D,P	D,P

Supported Languages ¹³	2008	Version for Visual Studio 2010	Version for Eclipse	XI	10	9	8.5
Chinese (Simplified)	D	D	D	D,P	A,D,P	A,D,P	
Chinese (Traditional)	D	D	D	D,P			
Czech	D		D				
Dutch	D			D,P			
English	D	D	D	D,P,S	A,D,P,S	A,D,P,S	D,P,S
Finnish	D						
French	D	D	D	D,P	A,D,P	A,D,P	D,P
German	D	D	D	D,P	A,D,P	A,D,P	D,P
Hungarian			D				
Italian	D	D	D	D,P	A,D,P	A,D,P	
Japanese	D	D	D	D,P	A,D,P	A,D,P	D,P
Korean	D	D	D	D,P	A,D,P	A,D,P	
Norwegian	D						
Polish	D		D	D,P			
Portuguese (Brazil)	D		D	D,P			
Russian	D	D	D				
Spanish	D	D	D	D,P	A,D,P	A,D,P	
Swedish	D						
Thai	D						

“Runtime only” means that the feature will function within the runtime engine of the developer tool, but the developer tool cannot be used to design reports with that feature.

All other features are available for both report design and deployment (where applicable).

Table 2. SAP® 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)	√		
SAP® Crystal Dashboard Viewing options – 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, Kerberos, 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	√		
Personalized publications	√		
Publication management	√		
Publication failure handling	√		

Support of SAP® 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, SAP Crystal Dashboard Design 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 350 users	√		
Virtualization friendly (unlimited CPUs)	√		
Supported Languages¹³	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	√		