

Comprehensive Formatting and Design Control

| | XI | 10 | 9 | 8.5 | 8 | 7 | 6 | .NET | Java |
|---|-------------|------------|------------|----------------------|----------------------|-------------------|-------------------|------|------|
| Guidelines and vertical rulers | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | J |
| Automatic styles, auto-arrange fields, ruler | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | J |
| Drag and drop, browse field data | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Drawing-style interface | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Line drawing, box drawing | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Circles, ovals and boxes with rounded corners | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | J |
| Moving & resizing objects, selecting multiple objects | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | | J |
| Conditional font formatting | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | J |
| Conditional formatting of text by style and size | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Vertical text rotation | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | J |
| Fractional font size | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | |
| Format Editor | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Format Painter | D, P, S, SV | A, D, P, S | | | | | | | J |
| Horizontal Page Numbers | D, P, S, SV | A, D, P, S | | | | | | | |
| Asymmetric reporting | D, P, S, SV | A, D, P, S | | | | | | | |
| BLOB bitmap support | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Custom and bound images | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Graphic image support (BMP, TIFF, PCX, TGA) | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Graphic image support (JPEG, PICT, PNG) | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | J |
| Dynamic Image Location | D, P, S, SV | | | | | | | | |
| Support for vector-based images | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | |
| Grid control options (on/off; visible/invisible, set line height) | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Charting on subtotals, groups, details and formulas | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Integrated geographic mapping | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | | | |
| Integrated charting | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Drag and Drop Charting and Cross Tabs | D, P, S, SV | | | | | | | | |
| Embed hyperlinks into reports | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | J |
| Redo and multiple undo | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | J |
| Multiple detail sections | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Underlay sections | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| OLE drag & drop between windows | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Copy entire report objects to Windows clipboard | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | | | | N | J |
| Cross-tab objects | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Subreport objects | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Text objects | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| User-defined tool tips for tools and report objects | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | | N | J |
| Running totals expert | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | | N | J |
| Top N, bottom N sorting | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| N Value for Top N Style Reports | D, P, S, SV | | | | | | | | |
| Custom (named) grouping | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | J |
| Hierarchical Grouping | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | | |
| Sort and subtotal in one step | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Parameter fields | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Report and page footers | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Use Basic-like syntax in formula language | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | J |
| Formula Workshop | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | J |
| Custom Functions | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | J |
| Formula control of formatting | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Display string formatting | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | J |
| User Function Libraries (supports COM Object) | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S ⁵ | D, P, S ⁵ | P, S ⁵ | P, S ⁵ | N | |
| Java User Function Libraries (JRC only) | D, SV | | | | | | | | |
| Year 2000 UFLs | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | |
| Hierarchical group summary | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | | | | N | |

Crystal Reports®

| | XI | 10 | 9 | 8.5 | 8 | 7 | 6 | .NET | Java |
|--|-----------------------|------------|------------|------------|----------|----------|----------|-------------|-------------|
| Interactive Analysis Tools | | | | | | | | | |
| Report Alerts | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | | | | | |
| Map lens | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | | |
| Analyzer view for charts | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | P, S | | | | |
| Integrated Analyzer for charts | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | J |
| Conditional formatting on charts | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | |
| Include maps in reports | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | | | |
| Customizable cross-tabs | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | | N | J |
| Field highlighting | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | | | J |
| Formula Editor | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Formula Expert | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | J |
| Drill-down, full-featured search dialog | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Drill-down level functionality | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | N | J |
| Smart Navigation; group tree, drilldown, search | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | J |
| Report Viewing and Interaction | XI | 10 | 9 | 8.5 | 8 | 7 | 6 | .NET | Java |
| Parameter prompts via the Web | D, P, SV | A, D, P | A, D, P | D, P | | | | | J |
| Dynamic and Cascading Prompts ³ | D, P, SV ⁴ | | | | | | | | |
| DHTML Report/Page Viewer | D, SV | A, D | A, D | D | D | | | N | J |
| Winforms .NET Viewer | D, SV | A, D | A, D | | | | | N | |
| Webforms .NET Viewer | D, SV | A, D | A, D | | | | | N | |
| Page Viewer | D, SV | A, D | A, D | D | D | | | | J |
| Report Parts Viewer | D, SV | A, D | A, D | | | | | | |
| Grid Viewer | D, SV | A, D | | | | | | | |
| Mobile Viewer | D, SV | A, D | A, D | | | | | | |
| Java Plug-in Viewer | D, SV | A, D | A, D | D | D | P | P | | |
| ActiveX Viewer | D, SV | A, D | A, D | D | D | P | P | | |
| Netscape Viewer plug in | D, P, SV | A, D, P | A, D, P | D, P | D, P | | | | |
| Local printing and export from viewer | D, P, SV | A, D, P | A, D, P | D, P | D, P | P | | | J |
| Page-on-demand | D, P, SV | A, D, P | A, D, P | D, P | D, P | P | P | N | J |
| Customizable Report Viewer Settings | D, SV | A, D | A, D | D | D | P | P | N | J |
| Customize reports in runtime Preview Window | D, SV | A, D | A, D | D | D | P | P | N | |
| Advanced search on saved data; export search results to various formats | D, P, SV | A, D, P | A, D, P | | | | | N | J |
| Report Export Configuration | D, P, S, SV | | | | | | | | |
| Export to XML (Designer only) ⁶ | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | | | | | |
| Export to PDF | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | | | | N | J |
| Export to DHTML (HTML 4.0; Designer only) ⁶ | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | N | |
| Export to Microsoft Excel | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N(XLS) | |
| Export to character-separated values, paginated text, record style (columns of values), report definition, tab-separated text and values | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | |
| Export to Microsoft Word (RTF) | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Export to Microsoft Word (editable RTF) | D, P, S, SV | | | | | | | | |
| Export to disk | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | |
| Export to application | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | | N | |
| Export to ODBC databases | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P | | N | |
| Microsoft Mail | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | |
| Microsoft Exchange | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | |
| Lotus cc:Mail [®] | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | |
| Lotus Notes [®] | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | | |
| Export and/or e-mail reports with saved data | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | |
| Report options saved with report | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Save subreport as standalone report | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | | | | |
| Report Parts for wireless and portal integration | D, P, S, SV | A, D, P, S | A, D, P | | | | | | |
| Support for Microsoft Smart Tags in Office XP | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | |

| | XI | 10 | 9 | 8.5 | 8 | 7 | 6 | .NET | Java |
|---|-------------|------------|------------|----------------------|----------------------|------|------|------------|------|
| Report distribution and deployment | | | | | | | | | |
| Java Reporting Component | D, SV | A, D | | | | | | | J |
| .NET Reporting Component | D, SV | A, D | A, D | | | | | N | |
| COM Report Designer Component (RDC) | D, SV | A, D | A, D | D | D | P | | | |
| Crystal Report Engine API | | | A, D | D | D | P | P | | |
| Single Sign-on | D, P, S, SV | | | | | | | | |
| Report publisher | SV | | | | | | | | |
| Customizable web portal interface | SV | | | | | | | | |
| Report scheduler | SV | | | | | | | | |
| Security for groups, users, folders and reports | SV | | | | | | | | |
| Web-based report management console | SV | | | | | | | | |
| Business views (semantic layer) | SV | | | | | | | | |
| Report Integration | | | | | | | | | |
| Report Viewing SDKs (Java, .NET and COM) | D, SV | A, D | A, D | | | | | | N |
| Report creation and modification SDKs (Java, .NET and COM) | D, SV | A | | | | | | | |
| Custom JSP Tag Library (for viewing) | D, SV | A, D | | | | | | | J |
| Java Server Faces Viewer | D, SV | | | | | | | | |
| Server-Side Printing | D, SV | | | | | | | | |
| Visual Control Library (VCL) | D, SV | A, D | A, D | D | D | | | | |
| Rapid Application Development | | | | | | | | | |
| Multi-pass reporting with powerful grouping and sorting | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Sorting on groups, unlimited sorting | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Heterogeneous data sources | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | N | J |
| Top N, specified groups | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| Support Microsoft Visual Basic 6.0 features | D, SV | A, D | A, D | D | D | P | | | |
| Support for Unbound fields with auto binding | D, SV | A, D | A, D | D | D | | | | |
| Active Data Driver Support (ADO, RDO, CDO) for runtime data sources | D, SV | A, D | A, D | D | D | P | P | N (ADONET) | |
| Event/call-back support | D, SV | A, D | A, D | D | D | P | P | N | J |
| Drill down in runtime Preview Window | D, SV | A, D | A, D | D | D | P | P | N | |
| Other SQL Features and Tools | | | | | | | | | |
| Support for SelectDistinct for selecting records | D, P, S, SV | A, D, P, S | A, D, P, S | D, P | D, P | | | N | J |
| Support for TopN for selecting records | D, P, S, SV | A, D, P, S | A, D, P, S | D, P | D, P | | | N | J |
| SQL database access | D, P, S, SV | A, D, P, S | A, D, P, S | D, P | D, P | P | | N | J |
| SQL pass-through | D, P, S, SV | A, D, P, S | A, D, P, S | D, P | D, P | P | P | N | J |
| Ad hoc SQL query tool | D, P, SV | D, P | D, P | D, P | P | P | P | | J |
| Unlimited SQL Commands | D, P, S, SV | A, D, P, S | A, D, P, S | | | | | | J |
| Sort data on SQL database servers | D, P, S, SV | A, D, P, S | A, D, P, S | D, P | D, P | P | P | N | J |
| Security pass-through | D, P, S, SV | A, D, P, S | A, D, P, S | D, P | D, P | P | P | | |
| Database driver conversion | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | |
| Group-by, aggregation and SQL expressions on SQL database servers | D, P, S, SV | A, D, P, S | A, D, P, S | D, P | D, P | P | | N | |
| Stored Procedure Support (Access via ODBC, Oracle, Sybase, SQL Server, Watcom/SQL Anywhere) | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S ⁷ | D, P, S ⁷ | P | P | N | |

Data Connectivity

Crystal Reports can connect to almost any data source—including relational, OLAP, and XML data. Whether you require access to databases, files, logs, application systems (Customer Relationship Management, Enterprise Resource Planning, etc.) or program elements, you can use Crystal Reports to access it. 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 for a specific version, please visit our support site to download a platforms.txt file.

Examples of supported data sources through native drivers, OLE DB, ODBC, and JDBC include:

Oracle®, IBM® DB2®, Sybase, Microsoft® SQL Server, Microsoft SQL Server Analysis Services, Informix®, Act!, Pervasive, Pervasive SQL, Microsoft Access, Teradata, Holos, SAP BW, BDE, CDO, Microsoft Internet Information Server, Microsoft System Management Server, Microsoft Windows NT Event Logs, Microsoft Outlook, Paradox, XML/XSD, Lotus Domino, Microsoft FoxPro, Web Server Activity Logs (NCSA format), ASCII, Dbase, and Informix.

| Online Documentation | XI | 10 | 9 | 8.5 | 8 | 7 | 6 | .NET | Java |
|--|-------------|------------|------------|---------|---------|------|------|------|------|
| Installation guide | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | | | J |
| User's guide | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | J |
| Technical reference guide | D, SV | A, D | A, D | D | D | | | | J |
| What's new in Crystal Reports | D, P, SV | A, D, P | A, D, P | | | | | | J |
| General online help | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | | J |
| Developer online help | D, SV | A, D | A, D | D | D | | | | J |
| Developer runtime help | D, SV | A, D | A, D | D | D | | | | J |
| .NET SDK guide | D | A, D | A, D | | | | | N | |
| Java reporting component API reference | D | A, D | | | | | | | J |
| Java viewer API reference | D | A, D | | | | | | | |
| Language Editions ⁸ | XI | 10 | 9 | 8.5 | 8 | 7 | 6 | .NET | Java |
| Dutch | D, P, SV | | | | D, P | P | P | | |
| English | D, P, S, SV | A, D, P, S | A, D, P, S | D, P, S | D, P, S | P, S | P, S | N | J |
| French | D, P, SV | A, D, P | A, D, P | D, P | D, P | P | P | N | J |
| German | D, P, SV | A, D, P | A, D, P | D, P | D, P | P | P | N | J |
| Italian | D, P, SV | A, D, P | A, D, P | | D, P | P | P | N | |
| Japanese | D, P, SV | A, D, P | A, D, P | D, P | D, P | P | P | N | J |
| Simplified Chinese | D, P, SV | A, D, P | A, D, P | | | | | N | |
| Traditional Chinese | D, P, SV | | | | | | | | |
| Spanish | D, P, SV | A, D, P | A, D, P | | D, P | P | P | N | J |
| Korean | D, P, SV | A, D, P | A, D, P | | | | | | |

Notes:

1. Crystal Reports for Java includes a custom standalone Windows designer.
2. Managed repository is now provided through Crystal Reports Server.
An introductory offer is included in Crystal Reports Professional and Developer editions.
3. The functionality of this feature is enhanced when used in conjunction with Crystal Reports Server.
A special introductory offer of Crystal Reports Server is included in Crystal Reports Professional and Developer editions.
4. Dynamic and Cascading Prompts can be viewed, but cannot be designed in the Standard Edition
5. Read only for Standard Edition.
6. Crystal Reports Server includes one copy of the Crystal Reports designer. Some of the export features listed in this document are only available in the designer. They are not available in the web interface.
7. Stored Procedure Support in Standard Edition is via ODBC for Access, Excel and SQL only.
8. Some components may be provided in English only.

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