

Chapter 1: Formulas

Formula Workshop	1
Navigating the Formula Workshop with the Workshop Tree	2
Workshop Formula Editor	3
Arithmetic Formulas	4
Date and Time Formulas	5
String Formulas	6
Type Conversion in Formulas	7
Control Structures -Conditional and Looping Structures	8
Variables	9
Creating Formulas with the Formula Expert	10
Formula Extractor to Create Custom Functions	11

Chapter 2: Parameters for Dynamic Reporting

The Value of Parameters	1
Creating and Implementing Parameters Fields	2
Reviewing Parameter Field Properties	3
Creating Parameter Fields	4
Setting Default Values for Parameter Fields	5
Implementing Parameter Fields	6
Parameters with Record Selections	7
Parameters with Top/Bottom N Group Selections	8
Creating and Implementing Dynamic and Cascading Parameters	9

Chapter 3: Charts and Maps

Chart Expert	1
Chart Expert Type Tab	2
Chart Expert Data Tab	3
Chart Expert Axes Tab	4
Chart Expert Options Tab	5
Chart Expert Color Highlight Tab	6
Chart Expert Text Tab	7
Map Expert	8
Map Expert Data Tab	9
Map Expert Type Tab	10
Map Expert Text Tab	11
Modifying Chart and Map Properties	12
Modifying Chart Properties	13
Format Chart Options	14
Chart Templates	15
Specifying Chart Size and Position	16
Modifying Chart Options	17
Series Options - Specifying	18
X-Axis and Y-Axis Options - Specifying	19
Item Formatting Options - Specifying	20
3D Viewing Angle Options - Specifying	21
Modifying Map Properties	22

Chapter 7: Subreports for Advanced Reports

Common Subreport Usage	1
Adding Subreports to a Report	2
Linked Versus Unlinked Subreports	3
Considering Subreport Execution Time and Performance	4
Using Variables to Pass Data Between Reports	5
Emulating Nested Subreports	6
Troubleshooting	7
Crystal Reports in the Real World - Multiple Subreports	8

Chapter 8: Formulas and Custom Functions

Formula Language: Crystal versus Basic Syntax	1
Syntax Differences	2
Why Basic Syntax Was Added	3
Selecting the Best Syntax for You	4
Brackets in Formulas	5
Characters in Formulas	6
Improvements to Formulas	7
Manipulating Memo Fields in Formulas	8
Working with the Additional Financial Functions	9
Creating Custom Functions in Your Reports	10
Sharing Custom Functions with Others	11
Runtime Errors	12

Chapter 9: Report Templates

Reuse in Reporting	1
Report Templates	2
Using Report Templates	3
Existing Crystal Reports as Templates	4
How Templates Work	5
Creating Useful Report Templates	6
Custom Functions as Replacements for Data-Dependent Business Logic	7
CurrentFieldValue Function	8
Template Field Objects	9
Report Templates to Reduce Report Creation Effort	10
Applying Multiple Templates	11
Exporting Capabilities in Crystal Reports	12

Chapter 4: Custom Formatting Techniques

Presentation-Quality Reports	1
Common Formatting Features	2
ToolTips	3
Lines and Boxes	4
Creating a Vertical Text Watermark	5
Conditional Formatting-Using Data to Drive the Look of a Report	6
Applying Formatting from Another Field	7
Report-to-Report Linking and the Hyperlink Wizard	8
Report-to-Report Linking	9
Hyperlink Wizard	10
Find in Field Explorer	11

Chapter 5: Cross-tabs for Summarized Reporting

Introduction to Cross-Tabs	1
Benefits of Cross-Tabs	2
Leveraging Experience with the Spreadsheet Format	3
Horizontal Expansion	4
Custom Formatting	5
Cross-Tab Wizard	6
Top N with Cross-Tabs Reports	7
Advanced Cross-Tab Features	8
Setting Relative Position	9
Inserting a "Percentage of" Summary	10
Horizontal and Vertical Placement	11
Inserting Summary Labels	12

Chapter 6: Record Selections, Sort Controls, and Alerts for Interactive Reporting

Advanced Record Selection Formulas	1
Record Selection Review	2
Displaying Record Selections	3
Dates	4
Working with Strings	5
Pushing Record Selections to the Database	6
SQL Expressions	7
Adding Alerting to a Report	8
Creating, Editing, and Using Alerts	9
Alerts in BusinessObjects Enterprise	10

Chapter 10: Data Sources in Crystal Reports

Additional Crystal Reports Data Sources	1
Connecting to COM or .NET Data Sources	2
Leveraging Legacy Mainframe Data	3
Handling Complex Queries	4
Runtime Manipulation of Data	5
ADO.NET Data Provider	6
Connecting to an ADO.NET XML Recordset	7
Connecting to Java-Based Data Sources	8
JavaDir	9
Connect to an HTTP(S) Data Source	10
Connect to a Web Service Data Source	11

Chapter 11: Formatting Multidimensional Reporting Against OLAP Data

OLAP: Introduction	1
OLAP Concepts and OLAP Reporting	2
Recently Added or Changed OLAP Features in Crystal Reports	3
OLAP Report Creation Wizard and OLAP Expert	4
OLAP Data Source - Specifying	5
OLAP Rows and Columns - Specifying	6
OLAP Dimension Slices (Filters) and Pages - Specifying	7
Adding Report Styles in the OLAP Report Creation Wizard	8
Adding Charts via the OLAP Report Creation Wizard	9
Customizing Styles in the OLAP Expert	10
Customizing Labels in the OLAP Expert	11
Advanced OLAP Reporting	12
OLAP Grid - Interaction	13