

This two-day course covers the more complex and powerful features of Crystal Reports. The course focuses on the student's ability to perform tasks using the most productive techniques allowing you to pull data from all times of data sources. The course discusses very technical issues and includes several fast-paced, comprehensive exercises.

**Course Objectives:**

- **Evaluation Time Functions**
- **Working with Variables and Values**
- **Working with Arrays**
- **Creating and Using Parameter Fields**
- **Power Formatting Multiple Sections**
- **Running Totals**
- **Advanced Conditional Formatting**

**Audience:** Experienced administrators, developers and end-users who are experienced with Crystal Reports.

**Prerequisites:** A comfort level of understanding in regards to relational databases

**Number of Days:** 2 days

<p><b>1 Refresher Exercise</b>  Review of Planning a Report  Creating the Report  Placing Fields on the Report  Creating the Formulas  Advanced Grouping  Selecting Certain Records  Helpful Hints for Formatting  Adding and Working with Text Objects  Hiding and Suppressing Sections</p> <p><b>2 Power Formatting</b>  Using Multiple Sections in Reports  Using the Section Expert to Work with Sections  Exercises</p> <p><b>3 Using the Running Totals Feature</b>  Understanding Running Totals  Creating Running Totals for a List of Numbers  Conditional Running Totals</p> <p><b>4 Prompting with Parameters</b>  Parameter Fields Overview</p>	<p>Parameter Field Considerations  Creating a Parameter Field  Using a Parameter to Select Records  Using a Parameter Field  Using a Parameter Panel  Creating a Dynamic Value List  Importing a Pick List  Adding Parameter Values to Text Objects  Allowing Multiple Values in Parameters  Using Multiple Parameter Fields in Reports  Specifying and Limiting a Range for a Parameter  Using Parameters in Conditional Formatting  Using an Edit Mask to Limit String Parameters  Sorting with a Parameter  Group Sorting with a Parameter  Using a Parameter to set N in a Top N or Bottom N Report</p>
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	Displaying Parameter Fields		Customizing the Cross-Tab Format
	Cascading Parameter Fields		Changing the Summary Operation
<b>5</b>	<b>Using Advanced Formula Features</b>		Charting Cross-Tabs
	Understanding How Crystal Reports		Customizing Cross-Tab Group Names
	Processes the Data		CurrentFieldValue
	What is a Pass?	<b>9</b>	<b>Report Alerts</b>
	Using Evaluation Time Functions		What are Report Alerts?
	Working with Variables		Creating Report Alerts
	Declaring a Variable		Basing Report Formulas or Conditional
	Variable Scope		Formatting on Report Alerts
	Separating Statements in Complex		Creative Usage for Report Alerts
	Formulas	<b>10</b>	<b>Appendix A: Report Templates</b>
	Working with Arrays		What is a Report Template?
	Understanding the Formula Evaluation		Standard Report Creation Wizard and
	Time Debugger		Templates
<b>6</b>	<b>Using Subreporting as a Workaround</b>		The Template Expert
	<b>Solution</b>		Applying a Template and the
	Understanding Subreports		Consequences
	Unlinked versus Linked Subreports		Template Considerations
	Creating an Unlinked Subreport		Creating Your Own Templates
	Linking a Subreport	<b>11</b>	<b>Appendix B: The Northwind 2008</b>
	Database Links versus Subreports in		<b>Database</b>
	One-to-Many Situations	<b>12</b>	<b>Appendix C: Installation and System</b>
	Formatting the Subreport		<b>Requirements</b>
	Passing Data from the Main Report into		Installing the Application
	a Subreport		Minimum Installation Requirements
	Creating On-Demand Subreports	<b>13</b>	<b>Appendix D: Setup Instructions for</b>
	Creating Hyperlinks		<b>Crystal Reports 2013</b>
	Using Subreports to Link "Unlinkable"		CR 2013Application Installation
	Data		Instructions
<b>7</b>	<b>Creating Powerful Groups</b>		Installed Required Class Files
	Creating Custom Groups	<b>14</b>	<b>Appendix E: Function and Operator</b>
	Customizing Group Sort Order		<b>Locations</b>
	Using Group Selection to Filter the		
	Records in the Report		
	Grouping on a Formula Field		
	Grouping Hierarchically		
<b>8</b>	<b>Working with Cross-Tab Reports</b>		
	Understanding How Cross-Tabs Affect		
	Your Data		
	Creating a Cross-Tab Report		
	Creating a Cross-Tab with Multiple		
	Rows or Columns		
	Applying a Formatting Style to the		
	Cross-Tab		