



Crystal Reports Designer Level 3

Course CR-03B

2 Days

Instructor-led, Hands on

Introduction

Our Crystal Reports training course uses the latest Crystal version, but if you haven't upgraded yet, all classes and courses feature work from earlier versions of Crystal Reports as well.

This two-day instructor-led course is designed to expand your working knowledge of Crystal Reports and move you into creating more complex reports. Time will be spent walking you through the tips and tricks of advanced report writing along with a good amount of hands on practice. In addition, you will cover custom functions, advanced formulas and report efficiencies techniques. This course incorporates a number of hands on exercises that reinforce the learning process.

Audience: Administrators, developers and end-users who need to create dynamic reports from varying data sources.

Prerequisites

Before taking this course, students should have attended the courses, Crystal Reports Level 1 and Level 2, or have equivalent skills and knowledge.

Course Outline

Module 1: Refresher Exercise

- Review of Planning a Report
- Creating the Report
- Placing Fields on the Report
- Advanced Grouping
- Selecting Certain Records
- Group Sorting
- Group Charting

Module 2: Advanced Database Concepts

- What is SQL?
- Native Database Driver
- ODBC
- OLE DB
- ODBC, OLE DB or Native
- Using the Database Expert for Linking
- Adding a table multiple times

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- Changing join types
- Database changes
- Database verification
- Set data source location
- Re-mapping database fields
- Views
- Stored procedures
- SQL commands
- Creating a SQL command

Module 3: Using Advanced Formula Features

- Select Case Statement
- For Loop Control Structure
- While ... Do loops
- Do ... While loops
- Building Arrays
- The Split Function
- Array Sizing Limitations

Module 4: Custom Functions

- What is a Custom Function
- Function Arguments
- When to use a Custom Function
- Using the Custom Function Editor
- Using Crystal Syntax
- Using Basic Syntax
- Custom Function Properties
- Using the Formula Expert and Custom Functions
- Using the Formula Extractor
- Custom Function Limitations

Module 5: Running Reports Efficiently

- Understanding What Crystal Sends to the Database
- Strategies for Efficient Report Performance
- Using the SQL Statement
- Record Selection and Performance
- Performance Information
- Report Definition
- Saved Data
- Processing
- Latest Report Changes
- Performance Timing



- Server Based Grouping
- Select Distinct Command

Module 6: Advanced Cross-Tab Design

- Dissecting a Cross-Tab Grid
- Cross-Tab Parts Listing
- Row and Column Indexes
- Summary Indexes
- Grid Value Functions
- Embedded Summaries
- Conditionally Formatting Embedded Summaries
- Calculated Members

Module 7: Tips and Tricks

- Manual Cross-Tabs
- Formatting Subreports
- Parameter Tricks
- Using Unique Fonts in the Report