MOC 55118 A Creating Report with SAP Crystal Reports for Developer with Visual Studio

Course Summary

Description

This two-day instructor-led course is intended for application developers who are interested in developing client side reports in Visual Studio 2013. In this course, students learn how to install and configure SAP Crystal Reports using Visual Studio 2013. Students then learn how to author a report and integrate with applications developed with Visual Studio 2013.

Objectives

At the end of this course, students will be able to:

- Install SAP Crystal Reports for developer for Visual Studio 2013
- Create report with Visual Studio 2013
- Integrate report with applications developed with Visual Studio 2013
- Integrate report with different kind of data source

Topics

- Preparing Visual Studio for Reporting
- Authoring a Report
- Integrating Report with Applications
- Advanced Report Authoring
- Advanced Data Access
- Exporting Data
- Troubleshooting and Debugging Report

Audience

This course is intended for both programmers who have experience in developing applications with Visual Studio 2013.

Prerequisites

Prior to taking this course, students should have:

- Experience with developing using Visual Studio 2013
- Basic understanding of RDBMS
- Basic understanding of application architecture
- Basic understanding of .NET framework.

Duration

Two days
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Course Outline

I. Preparing Visual Studio for Reporting
This module explains how to install and configure SAP Crystal Report for Visual Studio in Visual Studio 2013 and create first report.
   A. What is SAP Crystal Reports for Visual Studio
   B. Connecting to SQL Server data source

Lab: Preparing Visual Studio for Reporting
   • Installing SAP Crystal Reports for Visual Studio
   • Connecting to a SQL data source

II. Authoring a Report
This module explains how to create a report using core functionalities of SAP Crystal Reports for developer with Visual Studio 2013.
   A. Create basic report
   B. Create table
   C. Create Chart
   D. Create Grouping
   E. Report formatting
   F. Use Section

Lab: Authoring a Report
   • Create Basic Report
   • Create Crosstab Report

III. Integrating Report with Applications
This module explains how to integrate report using Report Viewer with Windows, ASP.NET and WPF applications.
   A. Using Web Report Viewer

Lab: Integrating Report with Applications
   • Using Report Viewer in ASP.NET
   • Generating Report in Code

IV. Advanced Report Authoring
This module explains how to enhance report with advanced functionalities in SAP Crystal Reports for developers and Visual Studio 2013.
   A. Use filtering and parameter
   B. Use formula fields
   C. Use Subreport
   D. Use Summary
   E. Use Running Total
   F. Use Sorting
   G. Use Barcode

Lab: Advanced Report Authoring
   • Using Summary and Running Total
   • Using Subreport
   • Using Formula
   • Using Parameter and Filtering

V. Advanced Data Access
This module explains how to connect report to different kind of data source using different methods that fit the need of the applications.
   A. Using Dataset
   B. Using SQL Command
   C. Using LINQ
   D. Using Web Services
   E. Using Link Tables

Lab: Advanced Data Access
   • Using Dataset
   • Using SQL Command
   • Using LINQ
   • Using Link Table

VI. Exporting Data
This module explains how to data report to different kind of format.
   A. Exporting Data with Crystal Report
   B. Export Using Report Viewer
   C. Exporting with Code

Lab: Exporting Data
   • Export to HTML with Options

VII. Troubleshooting and Debugging Report
This module explains how to troubleshoot some of the common report authoring issues.
   A. Troubleshooting Field and Text Formulas
   B. Troubleshooting Record Selection Formulas

Lab: Troubleshooting and Debugging Report
   • Disable Field Clipping
   • Enhance Formula for Selection