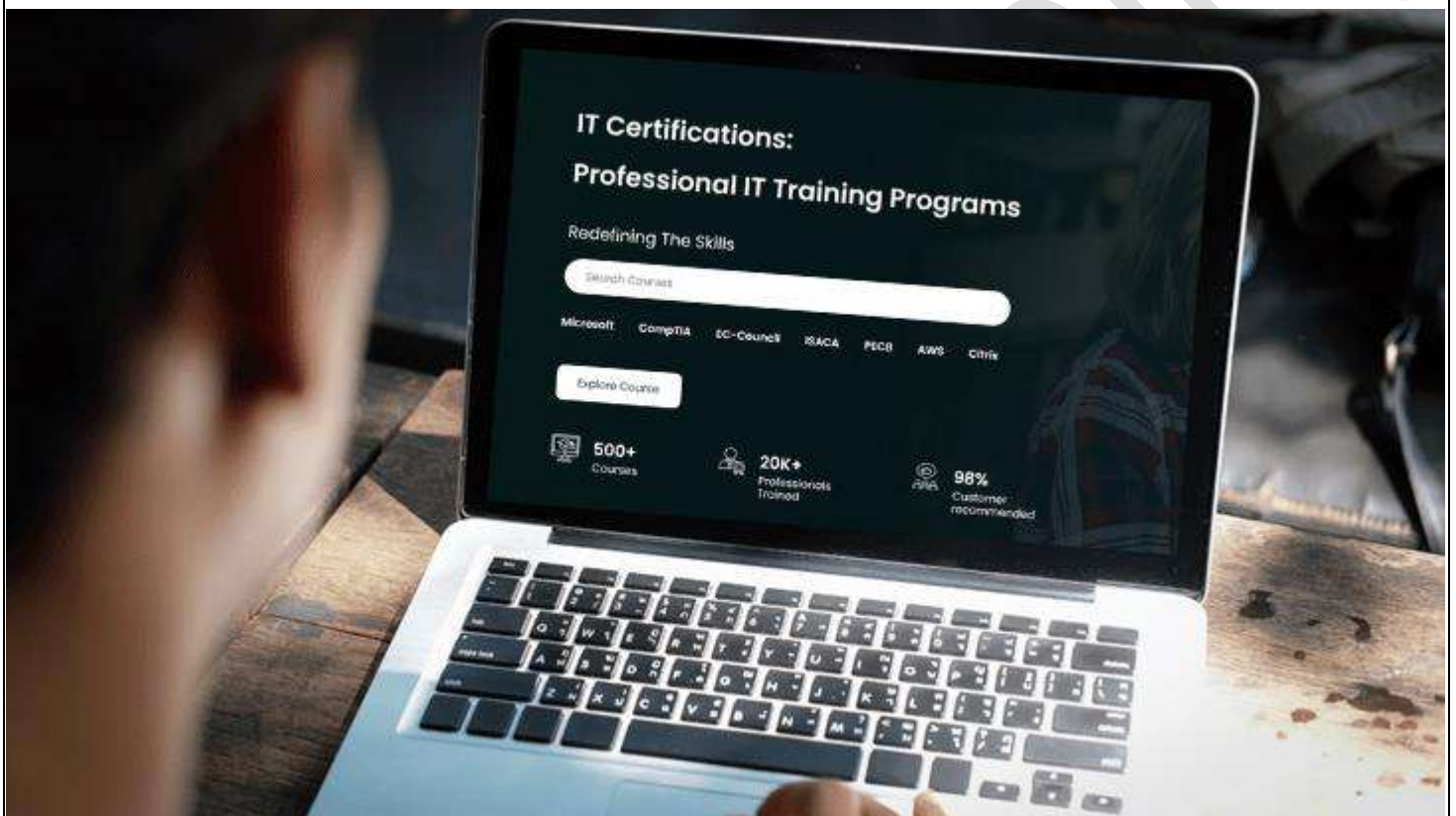# 55118: CREATING SAP CRYSTAL REPORTS WITH VISUAL STUDIO FOR DEVELOPERS TRAINING

Duration: 2 Days

Course Description

This Visual Studio training is a two-day instructor-led training designed for application developers interested in improving client-side reports in Visual Studio 2013.

After completing this course, professionals will learn how to install and configure SAP Crystal Reports in Visual Studio 2013 and how to author a report and combine it with applications developed with Visual Studio 2013.

This training is designed based on the objectives of the course variant 55118A.

Training Exclusives

- Live instructor-led interactive sessions with Microsoft Certified Trainers (MCT).
- Access to Microsoft Official Courseware (MOC).
- Real-time Virtual Lab Environment.
- Experience 24*7 Learner Support.
- Self-paced learning and flexible schedules.

Who should attend this course?

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

What you will learn

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

Prerequisites

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

Curriculum

Module 1: 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.
- What is SAP Crystal Reports for Visual Studio
- Connecting to SQL Server data sourc

Lab1: Preparing Visual Studio for Reporting

- Installing SAP Crystal Reports for Visual Studio
- Connecting to a SQL data source

After completing this module, students will be able to:

- Describe the key feature of SAP Crystal Reports for Visual Studio
- Describe the integration with Visual Studio 2013
- Connecting to a data source from Visual Studio

Module 2: Authoring a Report

This module explains how to create a report using core functionalities of SAP Crystal Reports for developer with Visual Studio 2013.

- Create basic report
- Create table
- Create Chart
- Create Grouping
- Report formatting
- Use Section

Lab1: Authoring a Report

- Create Basic Report
- Create Crosstab Report

After completing this module, students will be able to:

- Describe the key features for creating report with SAP Crystal Reports for developer
- Using table, chart, grouping for reporting
- Formatting a report

Module 3: Integrating Report with Applications

This module explains how to integrate report using Report Viewer with Windows, ASP.NET and WPF applications.

- Using Web Report Viewer

Lab: Integrating Report with Applications

- Using Report Viewer in ASP.NET
- Generating Report in Code

After completing this module, students will be able to:

- Using Report Viewer
- Integrate reports with ASP.NET applications
- Integrate reports with MVC applications

Module 4: Advanced Report Authoring

This module explains how to enhance report with advanced functionalities in SAP Crystal Reports for developers and Visual Studio 2013

- Use filtering and parameter
- Use formula fields
- Use Subreport
- Use Summary
- Use Running Total
- Use Sorting
- Use Barcode

Lab1: Advanced Report Authoring

- Using Summary and Running Total
- Using Subreport
- Using Formula
- Using Parameter and Filtering

After completing this module, students will be able to:

- Using Parameter in report authoring
- Using Drilldown in report authoring
- Using Subreport in report authoring
- Using Cross Tab in report authoring
- Using Barcode in report authoring

Module 5: Advanced Data Access

This module explains how to connect report to dfferent kind of data source using different methods that fit the need of the applications

- Using Dataset
- Using SQL Command
- Using LINQ
- Using Web Services
- Using Link Tables

Lab: Advanced Data Access

- Using Dataset
- Using SQL Command
- Using LINQ
- Using Link Table

After completing this module, students will be able to:

- Describe connecting report to different data sources
- Using Stored Procedure in report
- Using LINQ objects in report
- Using web services in report
- Using Link Table

Module 6: Exporting Data

This module explains how to data report to different kind of format.

- Exporting Data with Crystal Report
- Export Using Report Viewer
- Exporting with Code

Lab: Exporting Data

- Export to HTML with Options

After completing this module, students will be able to:

- Describe export report to different data sources

Module 7: Troubleshooting and Debugging Report

This module explains how to troubleshoot some of the common report authoring issues.

- Troubleshooting Field and Text
- Troubleshooting Record Selection Formulas

Lab1: Troubleshooting and Debugging Report

- Disable Field Clipping
- Enhance Formula for Selection

After completing this module, students will be able to:

- Describe common issues in report authoring

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