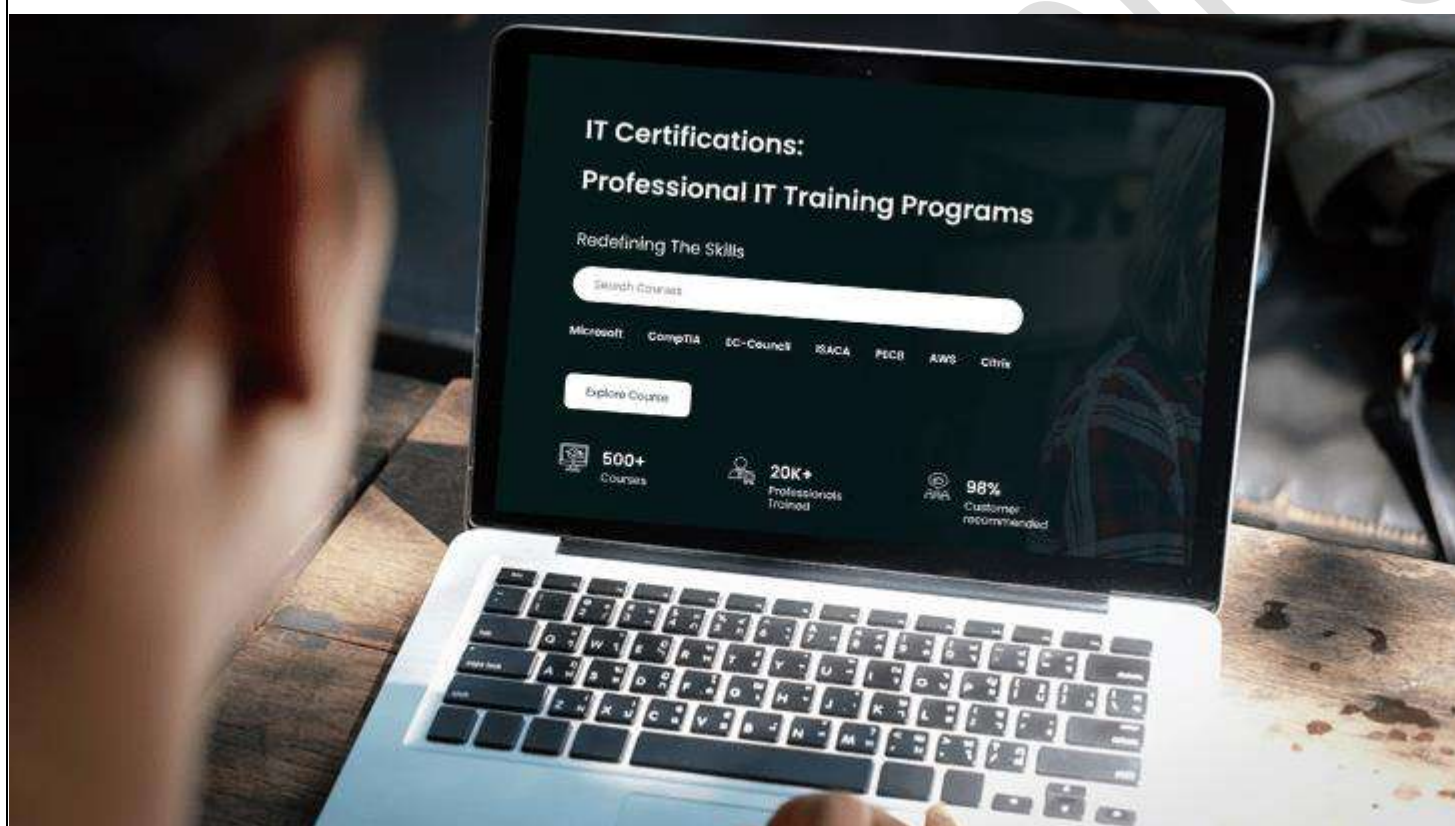




Redefining The Skills



55128: WRITING REPORTS WITH REPORT BUILDER AND SSRS LEVEL 2 TRAINING

Duration: 2 Days

Course Description

Students will continue to study the fundamentals of report writing using SSRS and Microsoft® SQL Server® Report Builder in this two-day course.

This course focuses on constructing parameter reports, custom reports utilizing the list data region, complicated expressions for formatting and analysis, images and subreports added to reports, drill-down and drill-through features created, and sparklines, data bars, and indicators added to reports.

All supported versions of Microsoft SQL Server are compatible with Report Builder, and this course can be used with any of those versions.

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?

- The majority of this course's audience consists of individuals who are new to creating reports using Microsoft® SQL Server® Report Builder and SSRS, individuals who are switching from another reporting software solution, and individuals who are now Report Builder and SSRS report authors.
- People who use Report Designer are the course's secondary audience (SSRS).
- Participants in the course may be business analysts, program analysts, data analysts, database administrators, or IT professionals; they may or may not have programming (Visual Basic) and/or Transact-Structured Query Language (T-SQL) experience, as well as knowledge of Microsoft® SQL Server® Report Builder and SSRS.

What you will learn

- Construct parameter reports.
- Make reports with lists.
- Create complex expressions in reports.
- Insert pictures and subreports.
- Include drill down and drill through capabilities.
- Include indicators, data bars, and sparklines.

Prerequisites

- [55123: Writing Reports with Report Builder and SSRS Level 1 Training](#)

Curriculum

Module 1: Parameter Reports

This module introduces the use of the parameter in report writing. Parameters allow a level of self-service reporting wherein the report audience can choose the data to view (date range, department, geography, etc.).

Lessons

- Parameterized Reporting
- Create Report Parameters
- Modify Report Parameters
- Provide Default Parameter Values
- Provide Available Values for Parameters

Lab 1: Creating Parameterized Reports

- Create Single Value Parameter Reports
- Create Multi-Value Parameter Reports
- Create an Available Values Parameter Report
- Create a Parameter Report with Default Values
- Modify Existing Parameter Reports

After completing this module, students will be able to:

- Describe the key benefits and features of report parameters.
- Create parameterized queries and parameterized reports.
- Create parameters which accept single values, multiple values, date range parameters, cascading parameters, provide a list of available parameter values, and provide parameters with default values.
- Modify existing parameters and parameter reports.

Module 2: Create Custom Reports with List Data Regions and Master-Detail Data

This module introduces the list data region. List data regions allow report writers free-form control over their reports, whereas, table and matrix reports bind you to a table or matrix data presentation. This free-form feature affords the report writer the ability to truly customize the report.

Lessons

- Introducing the List Data Region
- Create Reports Using List Data Regions
- Modify Reports Which Use List Data Regions

Lab 1: Creating List Reports

- Create a Report with Rectangles, Lists, Tables, and Master-Detail Data
- Create an Enhanced Report with Rectangles, Lists, Text Boxes, and Tables

After completing this module, students will be able to:

- Describe the benefits of list data regions and rectangles in reporting scenarios.
- Create reports which display data in multiple columns.
- Create reports which take advantage of nested data (master-detail).
- Create enhanced reports using list data regions and rectangles.

Module 3: Enhancing Reports with Formatting and Complex Expressions

This module introduces several new report formatting techniques which allow the report writer better control over the data displayed in the report.

Lessons

- Enhancing Report Appearance
- Using Running Values to Provide Subtotals and Totals
- Creating and Using Top N Reports

Lab 1: Enhancing Reports with Complex Expressions

- Analyze Report Data with Conditional Formatting
- Use Complex Expressions in Charts
- Calculate a Running Value
- Create TOP N Reports
- Format a Table with Alternate Row shading
- Formatting a Matrix Report Alternate Row Shading with Visual Basic

After completing this module, students will be able to:

- Create conditional formats for data displayed in a report.
- Use complex expressions in charts.
- Calculate running values for groups and datasets.
- Create TOP N reports for groups and datasets.
- Use row banding in a data region.

Module 4: Enhance Reports with Images and Subreports

In this module, students will add images and reports (subreports) to reports, and students will be introduced to SSRS (SQL Server Reporting Services).

Lessons

- Add Images to Reports
- Retrieve Images from a Database
- Introducing SSRS (SQL Server Reporting Services) Report Server
- Add Subreports to Reports

Lab 1: Working with Images and Subreports

- Enhancing an Existing Report with Images
- Adding Subreports to a Report
- Add Parameterized Subreports to Reports

After completing this module, students will be able to:

- Describe the available options for adding images to reports.
- Add images to reports.
- Describe the features of SSRS Report Server
- Add subreports and parameterized subreports to reports.

Module 5: Drilldown and Drillthrough Reports

This module introduces the ToggleByItem and Action properties to incorporate drilldowns and drillthrough reporting.

Lessons

- Add and Configure Drilldown Reporting
- Add and Configure Drillthrough Reporting

Lab 1: Add Drilldown and Drillthrough Functionality to Reports

- Adding Drilldowns to Control Levels of Detail
- Add Drilldown Behavior to a Group
- Add Drilldown Behavior to a Group Hierarchy
- Analyze Data using Drillthrough Behaviors in a Report

After completing this module, students will be able to:

- Describe the key features of drilldowns and drillthroughs in a report.
- Add drilldowns to Reports.
- Add drillthroughs to Reports.
- Add parameterized drillthroughs to Reports.

Module 6: Inline Data Analysis with Sparklines, Data Bars, and Indicators

This module introduces the ability to create and add charts to reports. Whether through wizard or individual effort, chart reports or charts as report components allow us to visualize data with or without the details.

Lessons

- Sparklines
- Data Bars
- Indicators

Lab 1: Adding Sparklines, Data Bars, and Indicators to Reports

- Analyze Data with Indicators and Data Bars
- Analyze Data with Sparklines
- Use Indicators to Analyze Data with a Scorecard

After completing this module, students will be able to:

- Describe the key features of incorporating mini-charts and mini-gauges in reports.
- Add and modify sparklines, data bars, and indicators in reports.

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