

Microsoft SQL Server 2008 Reporting Services

Course Length: 3 days

Price: \$2,250

Summary

In this course, you will learn how to use SQL Server 2008 Reporting Services. Explore its basic architecture and gain a basic understanding of the components of SSRS 2008. You'll then explore tabular and list reports that employ datasets and data regions. As you progress you'll learn to add custom expressions, custom functions and format your reports using Visual Studio 2008 and SQL Server 2008 Business Intelligence Studio. The reports you create in the course will employ shared data sources, interactive sorting, and drill-down capabilities. You'll then understand how Reporting Services parameters work and create parameters in ad-hoc SQL. Next you'll be building Matrix reports and charts then explore the use of Reporting Services gauges. The Deployment of Reporting Services projects follow using a variety of formats and client-side printing. You'll gain knowledge of SSRS Security in managing of user roles and accounts. You'll also discover how to view reports using URL access and the Reporting Services Web Service API, without requiring users to use Internet Explorer. Finally, you'll learn how to empower your users to create ad-hoc reports using Report Builder and Report Model projects.

Who Should Attend?

This course assumes no prior knowledge of SQL Server Reporting Services. This course does assume prior knowledge of SQL Server 2008 and the use of SQL Server Management Studio for development, Visual Studio 2008 using Visual Basic and administrative tasks. The user should also be able to write and run expressions, script files and diagnose problems that occur.

Course Outline

Introducing SQL Server Reporting Services

- Investigate what SQL Server Reporting Services can do
- Explore the basic architecture of SQL Server Reporting Services
- Gain a basic understanding of the components behind SQL Server Reporting Services
- Create a basic report using the SQL Server Reporting Services Wizard

Creating Tabular and List Reports

- Create a tabular report from scratch

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- Learn about datasets and data regions
- Add textboxes and other controls to reports
- Investigate the list data region
- Work with rich text to produce mail merge style reports

Calculation and Formatting

- Create expressions in your reports using
- Create custom functions using the Code window
- Discover the various global collections that you can reference in your expressions
- Format report items using the formatting toolbars, the Properties window, and the Textbox Properties dialog box
- Find out how you can use conditional formatting to make your reports more dynamic
- Learn about report variables and when you might need to use them

Grouping and Sorting

- Explore creating groups
- Master the Reporting Services Grouping pane
- Calculate group totals and percentages
- Understand scope as it applies to aggregate functions
- Discover interactive sorting
- Find out how to create drill-down reports

Working with Parameters

- Understanding how Reporting Services parameters work with stored procedure parameters
- Create parameters in ad-hoc SQL
- Display parameter values in report headers

- Improve parameter prompts using drop-down list parameters
- Dig into the use of unbound, multivalued, and cascading parameters
- Solve common parameter issues

Creating Matrix Reports and Charts

- Create matrix reports
- Investigate Reporting Services charts
- Explore the use of Reporting Services gauges

Managing Reporting Services

- Understand how to plan and configure for deployment
- Deploy Reporting Services projects and individual reports and data sources
- Explore exporting reports to a variety of formats and using the client-side printing feature of Reporting Services
- Investigate how to manage Reporting Services projects using Report Manager
- Explore creating linked reports

Security

- Investigate how Reporting Services secures access to reports and other Reporting Services resources
- Use Report Manager to manage user accounts and roles
- Enable basic authentication for reports and how to require SSL for report operations
- Explore the storing of credentials within a data source

Programming Reporting Services

- Discover the many application programming interfaces of Reporting Services
- Use URL to integrate Reporting Services reports into your applications
- Explore the use of the Report Viewer controls to create Web pages and Windows Forms that render Reporting Services reports in place

- Use the Report Views controls in local mode to display reports that don't involve Reporting Services

Advanced Reporting Services Programming

- Discover the classes and methods exposed by the Reporting Services Web Service API
- Call the Report Server Web Service
- Call a custom assembly from a report
- Explore the potential deployment and security issues that might arise when working with custom assemblies

Snapshots and Subscriptions

- Enable and control report caching
- Investigate the scheduling of report snapshots
- Explore the maintenance of report history
- Create standard report subscriptions
- Create data-driven report subscriptions

Ad-Hoc Reporting with Report Builder 2.0

- The differences between Report Builder 1.0 and Report Builder 2.0
- Explore how to use Report Builder to build ad-hoc tabular, matrix and chart reports
- Create Report Builder reports without using the wizards
- Create Report Model projects using Visual Studio and deploy them to a Reporting Services server