



SQL Server Business Intelligence

SSRS795: SQL Server Reporting Services (SSRS) – Authoring, Deploying, and Managing Reports

\$2,995.00

- 5 Days

Upcoming Dates

Jun 02 - Jun 06

Aug 25 - Aug 29

Nov 03 - Nov 07

Course Description

This course is an overview of how to implement a SQL Server 2016 Reporting Services solution for data analysis in an organization. The course discusses how to use the Reporting Services development tools to create and manage reports and implement self-service BI solutions. It also reviews Data Modeling, mobile reports and report mapping for filtering and sorting parameters and grouping.

Course Outline

Module 1 – Introduction: SSRS and the SSRS-verse

- Lesson 1: What Is SSRS and How Is It Used?
- Lesson 2: SSRS and Business Intelligence
- Lesson 3: OLTP and OLAP
- Lesson 4: SSRS Architecture and Tools

Module 2 – Data Objects

- Lesson 1: Data Sources
- Lesson 2: Data Sets

Module 3 – Building and Deploying a Basic Report

- Lesson 1: Report Designer Solutions
- Lesson 2: Data Binding
- Lesson 3: The Tablix Table and List
- Lesson 4: Simple Formatting
- Lesson 5: Working with Expressions
- Lesson 6: Using Grouping for Formatting and Aggregation
- Lesson 7: Overview of Report XML
- Lesson 8: Deployment to the Web Portal
- Lesson 9: Report Designer vs. Report Builder

Module 4: Working with Summarized Data

- Lesson 1: Hierarchical Group Objects
- Lesson 2: Expression Scope
- Lesson 3: Document Maps
- Lesson 4: Recursive Hierarchies
- Lesson 5: The Matrix Data Region
- Lesson 6: Adjacent Groups

Module 5: Working with Parameters

- Lesson 1: Query Parameters and Report Parameters
- Lesson 2: Server-Side vs Client-Side Filtering
- Lesson 3: Parameter Dropdowns
- Lesson 4: Cascading Parameters
- Lesson 5: Optional Parameters

Module 6: Advanced Parameters and Bookmarks

- Lesson 1: Drilldown
- Lesson 2: Drillthrough
- Lesson 3: Using Parameters to Sort
- Lesson 4: Using Parameters to Show/Hide Matrix Groups
- Lesson 5: Subreports vs Nested Data Regions
- Lesson 6: Go to Bookmark Action

Module 7: Formatting

- Lesson 1: Headers and Footers
- Lesson 2: Rich Text Formatting
- Lesson 3: Placeholders
- Lesson 4: Conditional Formatting
- Lesson 5: Repeating and Freezing Column Headers
- Lesson 6: Formatting for Excel

Module 8: Data Visualizations

- Lesson 1: Charts
- Lesson 2: Databars
- Lesson 3: Sparklines
- Lesson 4: Gauges
- Lesson 5: Indicators
- Lesson 6: Maps
- Lesson 7: KPI Reports

Module 8: Web Portal Basics

- Lesson 1: Web Portal Overview

- Lesson 2: Creating Folders
- Lesson 3: Managing Shared Objects
- Lesson 3: Web Portal Report Properties
- Lesson 4: Report Comments
- Lesson 5: Branding the Web Portal

Module 9: Caching and Snapshots

- Lesson 1: Report Processing Steps
- Lesson 2: Caching Reports & Filtering
- Lesson 3: Snapshot Reports & Filtering
- Lesson 4: Historical Snapshots

Module 10: Automating Report Execution and Distribution

- Lesson 1: Simple Subscriptions
- Lesson 2: Data-Driven Subscriptions
- Lesson 3: Shared Schedules

Module 11: Administering Reporting Services

- Lesson 1: Configuration Managers
- Lesson 2: Securing the Web Portal
- Lesson 3: Monitoring Performance

Module 12: Mobile Reports

- Lesson 1: Mobile Reports Overview
- Lesson 2: Understanding and Preparing Mobile Reports Data
- Lesson 3: Navigators and Visualizations
- Lesson 4: Parameters and Drillthrough

Audience

The primary audience for this course is database professionals who want to learn about creating reports. Primary responsibilities will include implementing reports and mobile reports. The secondary audiences for this course are power information workers.

Prerequisites

In addition to their professional experience, students who attend this training should have technical knowledge equivalent to the following course:

[SQL101: Introduction to Transact SQL](#)

or

[SQL250: Transact-SQL for Developers](#)

What You Will Learn

After completing this course, students will be able to:

- Describe key features of data modelling within business intelligence

- Describe various report services data sources and how these are configured
- Create reports with report designer and/or report designer
- Configure reports with report designer and/or report builder
- Create SQL Server mobile reports