SQL Server Reporting Services (SSRS) - Authoring, Deploying, and Managing Reports

Duration: *5 Day(s)*

Course Overview

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.

Review this course online at https://www.alta3.com/courses/SSRS795

Objectives

- Design comprehensive reports using SQL Server Reporting Services development tools.
- Implement self-service BI solutions utilizing mobile reports and data modeling.
- Manage and deploy reports through the SSRS Web Portal for efficient data analysis.
- Understand and configure various report services data sources.

Who Should Attend

- Database professionals
- BI developers
- Power information workers
- Report designers

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

Course Outline

Module 1 – Introduction: SSRS and the SSRS-verse

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

Module 2 – Data Objects

5. Data Sources

6. Data Sets

Module 3 – Building and Deploying a Basic Report

7. Report Designer Solutions
8. Data Binding
9. The Tablix Table and List
10. Simple Formatting
11. Working with Expressions
12. Using Grouping for Formatting and Aggregation
13. Overview of Report XML
14. Deployment to the Web Portal
15. Report Designer vs. Report Builder

Module 4: Working with Summarized Data

16. Hierarchical Group Objects
17. Expression Scope
18. Document Maps
19. Recursive Hierarchies
20. The Matrix Data Region
21. Adjacent Groups

Module 5: Working with Parameters

22. Query Parameters and Report Parameters
23. Server-Side vs Client-Side Filtering
24. Parameter Dropdowns
25. Cascading Parameters
26. Optional Parameters

Module 6: Advanced Parameters and Bookmarks

27. Drilldown
28. Drillthrough
29. Using Parameters to Sort
30. Using Parameters to Show/Hide Matrix Groups
31. Subreports vs Nested Data Regions
32. Go to Bookmark Action

Module 7: Formatting

33. Headers and Footers
34. Rich Text Formatting
35. Placeholders

36. Conditional Formatting
37. Repeating and Freezing Column Headers
38. Formatting for Excel

Module 8: Data Visualizations

39. Charts
40. Databars
41. Sparklines
42. Gauges
43. Indicators
44. Maps
45. KPI Reports

Module 9: Web Portal Basics

46. Web Portal Overview
47. Creating Folders
48. Managing Shared Objects
49. Web Portal Report Properties
50. Report Comments
51. Branding the Web Portal

Module 10: Caching and Snapshots

52. Report Processing Steps
53. Caching Reports & Filtering
54. Snapshot Reports & Filtering
55. Historical Snapshots

Module 11: Automating Report Execution and Distribution

56. Simple Subscriptions
57. Data-Driven Subscriptions
58. Shared Schedules

Module 12: Administering Reporting Services

59. Configuration Managers
60. Securing the Web Portal
61. Monitoring Performance

Module 13: Mobile Reports

62. Mobile Reports Overview

63. Understanding and Preparing Mobile Reports Data
64. Navigators and Visualizations
65. Parameters and Drillthrough