



Length: 35 Hours (5 days)

Introduction: This five-day instructor-led course teaches students 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.

Target Audience: The primary audience for this course is database professionals who need to fulfill a BI developer role to create reports. Primary responsibilities will include implementing reports and mobile reports. The secondary audiences for this course are power information workers.

Prerequisites: Before attending this course, students must have:

- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Working knowledge of Transact-SQL, such as that taught in 20761C.

Objectives: After completing this course, students will be able to:

- Describe reporting services and its components
- Describe reporting services data sources
- Implement paginated reports
- Work with reporting services data
- Visualize data with reporting services
- Aggregate report data
- Share reporting services reports
- Administer reporting services
- Expand and integrate reporting services
- Describe mobile reports
- Develop mobile reports.

Course Outline

I. Introduction to Reporting Services

- A. Introduction to reporting services
- B. Reporting services components
- C. Reporting services tools

II. Reporting Services Data Sources

- A. Data sources
- B. Connection strings
- C. Datasets

III. Creating Paginated Reports

- A. Creating a report with the report wizard
- B. Creating a report
- C. Publishing a report

IV. Working with Reporting Services Data

- A. Data filters
- B. Report parameters
- C. Implementing report filters and parameters

V. Visualizing Data with Report Services

- A. Formatting data
- B. Images and charts
- C. Databars, sparklines, indicators, gauges, and maps



Course Outline

VI. Summarizing Report Data

- A. Sorting and grouping
- B. Report sub-reports
- C. Drilldown and drill through

VII. Sharing Reporting Services Reports

- A. Schedules
- B. Report caching, snapshots, and comments
- C. Report subscription and delivery

VIII. Administering Reporting Services

- A. Administering reporting services
- B. Reporting services configuration
- C. Reporting services performance

IX. Extending and Integrating Reporting Services

- A. Expressions and embedded code
- B. Extending reporting services
- C. Integrating reporting services

X. Introduction to Mobile Reports

- A. Overview of mobile reports
- B. Preparing data for mobile reports
- C. Mobile report publisher

XI. Developing Mobile Reports

- A. Designing and publishing mobile reports
- B. Drillthrough in mobile reports