



10990C - Version: 1

01 May 2021

Analyzing Data with SQL Server Reporting Services



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 5 days Course

Description:

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.

Intended audience:

The primary audience for this course is database professionals who need to fulfil 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:

Basic knowledge of the Microsoft Windows operating system and its core functionality.

Working knowledge of Transact-SQL, such as that taught in 20761C.

Objectives:

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.

Topics:

Module 1: Introduction to Reporting Services

- Introduction to reporting services
- Reporting services components
- Reporting services tools
- Lab : Exploring reporting services

Module 2: Reporting Services Data Sources

- Data sources
- Connection strings
- Datasets
- Lab : Configuring data access with report builder
- Lab : Configuring data access with report designer

Module 3: Creating Paginated Reports

- Creating a report with the report wizard
- Creating a report
- Publishing a report
- Lab : Creating reports

Module 4: Working with Reporting Services Data

- Data filters
- Report parameters
- Implementing report filters and parameters
- Lab : Create a parameterized report

Module 5: Visualizing Data with Report Services

- Formatting data
- Images and charts
- Databars, sparklines, indicators, gauges, and maps
- Lab : Manage formatting

Module 6: Summarizing Report Data

- Sorting and grouping
- Report sub-reports
- Drilldown and drill through
- Lab : Summarizing report data

Module 7: Sharing Reporting Services Reports

- Schedules
- Report caching, snapshots, and comments
- Report subscription and delivery
- Lab : Sharing reporting services reports

Module 8: Administering Reporting Services

- Administering reporting services
- Reporting services configuration
- Reporting services performance
- Lab : Administering reporting services

Module 9: Extending and Integrating Reporting Services

- Expressions and embedded code
- Extending reporting services
- Integrating reporting services
- Lab : Extending and integrating reporting services

Module 10: Introduction to Mobile Reports

- Overview of mobile reports
- Preparing data for mobile reports
- Mobile report publisher
- Lab : Introduction to mobile reports

Module 11: Developing Mobile Reports

- Designing and publishing mobile reports
- Drillthrough in mobile reports
- Lab : Developing mobile reports