



## Analyzing Data with SQL Server Reporting Services

OD10990B; On-Demand, Video-based

### Course Description

This 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.

### Course Objectives

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

### 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

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

- 20761A: Querying Data with Transact-SQL

## Course Outline

### Module 1: Introduction to Business Intelligence and Data Modelling

In this module, students will be introduced to the key concepts in business intelligence, and the Microsoft BI product suite.

#### Lessons

- Introduction to business intelligence
- The Microsoft business intelligence platform
- Introduction to reporting services

#### Lab: Exploring an enterprise BI solution

After completing this module, you will be able to:

- Describe key concepts in business intelligence
- Describe the Microsoft BI platform
- Describe key concepts in reporting services

### Module 2: Reporting Services Data

Describe various Report Services data sources and how these are configured.

#### Lessons

- Data connections
- Connection strings
- Filters and parameters

#### Lab: Configuring a data connection

After completing this module, you will be able to:

- Describe data connections and connection strings
- Describe filters and parameters

### Module 3: Implementing reports

Create reports with report designer or report builder.

#### Lessons

- Creating a report with the report wizard

- Creating a report
- Showing data graphically

### **Lab: Creating a report**

After completing this module, you will be able to:

- Create a report using the report wizard
- Show data graphically

## **Module 4: Creating a Map Report**

This module describes how to configure reports with report builder or report designer.

### **Lessons**

- Implementing filters and parameters
- Implementing sorting and grouping
- Publishing a report

### **Lab: Creating a map report**

After completing this module, you will be able to:

- Implement filters and parameters
- Implement sorting and grouping
- Publish a report

## **Module 5: Creating Mobile Reports**

This module describes how to create SQL Server mobile reports.

### **Lessons**

- Overview of SQL Server mobile reports
- Preparing data for mobile reports
- Mobile report publisher

### **Lab: Mobile reports**

After completing this module, you will be able to:

- Describe SQL Server mobile reports
- Prepare data for mobile reports
- Publish mobile reports