

Course Outline



6236- Implementing and Maintaining Microsoft SQL Server 2008 Reporting Services

Duration: 3 days (18 hours)

Target Audience:

This course is intended for information technology (IT) professionals and developers who need to implement reporting solutions by using Microsoft SQL Server 2008 Reporting Services.

Prerequisites:

Before attending this course, students must have:

- Exposure to creating reports in Microsoft Access or other third-party reporting products, such as Crystal Reports.
- Conceptual understanding of the push and pull distribution/subscription paradigm.
- Experience navigating the Microsoft Windows Server environment.
- Experience with Windows services (starting and stopping)
- Experience creating service accounts and permissions
- Experience with Microsoft SQL Server, including:
 - SQL Server Agent.
 - SQL Server query language (SELECT, UPDATE, INSERT, and DELETE).
 - SQL Server System tables.
 - SQL Server accounts (users and permissions).

Topics Covered:

- Module 1: Introduction to Microsoft SQL Server Reporting Services
 - Lesson 1: Overview of SQL Server Reporting Services
 - Lesson 2: Installing Reporting Services
 - Lesson 3: Reporting Services Tools
 - Lab: Introduction to Microsoft SQL Server Reporting Services
 - Exercise 1: (Level 200) Exploring Report Designer
 - Exercise 2: (Level 200) Exploring Report Manager

After completing this module, students will be able to:

- Describe the features of SQL Server Reporting Services.
 - Install Reporting Services.
 - Describe the Reporting Services tools.
- Module 2: Authoring Basic Reports

- Lesson 1: Creating a Basic Table Report
- Lesson 2: Formatting Report Pages
- Lesson 3: Calculating Values
 - Lab: Authoring Basic Reports
 - Exercise 1 (Level 200): Creating a Basic Table Report
 - Exercise 2 (Level 200): Formatting Report Pages
 - Exercise 3 (Level 200): Adding Calculated Values

After completing this module, students will be able to:

- Create a basic table report.
- Format report pages.
- Calculate values for a report.

➤ Module 3: Enhancing Basic Reports

- Lesson 1: Interactive Navigation
- Lesson 2: Displaying Data
 - Lab: Enhancing Basic Reports
 - Exercise 1: (Level 200) Using Dynamic Visibility
 - Exercise 2: (Level 200) Using Document Maps
 - Exercise 3: (Level 200) Initiating Actions
 - Exercise 4: (Level 200) Using a List Data Region
 - Exercise 5: (Level 200) Creating a Tablix Report
 - Exercise 6: (Level 200) Adding Chart Subreport to Parent Report

After completing this module, students will be able to:

- Create reports with interactive navigation.
- Display data in various formats.

➤ Module 4: Manipulating Data Sets

- Lesson 1: Defining Report Data
- Lesson 2: Using Parameters and Filters
- Lesson 3: Using Parameter Lists
 - Lab: Manipulating Data Sets
 - Exercise 1: (Level 200) Using Parameters to Restrict Query Results
 - Exercise 2: (Level 200) Using Parameters to Filter Report Data
 - Exercise 3: (Level 200) Creating Dynamic Parameter Lists
 - Exercise 4: (Level 200) Using Parameters with a Stored Procedure
 - Exercise 5: (Level 200) Displaying All Categories in a Parameter List

After completing this module, students will be able to:

- Define report data.
- Use parameters and filters.
- Use parameter lists.

➤ Module 5: Using Report Models

- Lesson 1: Creating Report Models
- Lesson 2: Using Report Builder
 - Lab: Using Report Models
 - Exercise 1: (Level 200) Creating a Report Model
 - Exercise 2: (Level 200) Using Report Builder to Create a Report

After completing this module, students will be able to:

- Create Report Models.
- Use Report Builder.

➤ Module 6: Publishing and Executing Reports

- Lesson 1: Publishing Reports
- Lesson 2: Executing Reports
- Lesson 3: Creating Cached Instances
- Lesson 4: Creating Snapshots and Report History
 - Lab: Publishing and Executing Reports
 - Exercise 1: (Level 200) Publishing Reports
 - Exercise 2: (Level 200) Executing Reports
 - Exercise 3: (Level 200) Configuring and Viewing a Cached Report
 - Exercise 4: (Level 200) Configuring and Viewing a Snapshot Report

After completing this module, students will be able to:

- Publish reports.
- Execute reports.
- Create cached instances.
- Create snapshots and report history.

➤ Module 7: Using Subscriptions to Distribute Reports

- Lesson 1: Introduction to Report Subscriptions
- Lesson 2: Creating Report Subscriptions
- Lesson 3: Managing Report Subscriptions
 - Lab: Using Subscriptions to Distribute Reports
 - Exercise 1: (Level 200) Creating a Standard Subscription
 - Exercise 2: (Level 200) Creating a Data-Driven Subscription

After completing this module, students will be able to:

- Describe report subscriptions.
- Create report subscriptions.
- Manage report subscriptions.

➤ Module 8: Administering Reporting Services

- Lesson 1: Reporting Server Administration
- Lesson 2: Performance and Reliability Monitoring
- Lesson 3: Administering Report Server Databases
- Lesson 4: Security Administration
- Lesson: 5 Upgrading to Reporting Services 2008
 - Lab: Administering Reporting Services
 - Exercise 1: (Level 200) Using Reporting Services Configuration Manager
 - Exercise 2: (Level 200) Securing a Reporting Services Site
 - Exercise 3: (Level 200) Securing Items

After completing this module, students will be able to:

- Administer the reporting server.
- Monitor performance and reliability.
- Administer the Report Server databases.
- Administer security.
- Upgrade to Reporting Services 2008.

➤ Module 9: Programming Reporting Services

- Lesson 1: Querying for Server Information Using a Web Service
- Lesson 2: Automating Report Management
- Lesson 3: Rendering Reports
- Lesson 4: Creating Custom Code
 - Lab: Programming Reporting Services
 - Exercise 1: (Level 200) Using URL Access to Display a Report
 - Exercise 2: (Level 200) Building a Reporting Services Web Service Client
 - Exercise 3: (Level 200) Using the Report Viewer Control

After completing this module, students will be able to:

- Query server information using a Web service.
- Automate report management.
- Render reports.
- Create custom code.