

Implementing and Maintaining Microsoft SQL Server 2008 Reporting Services

Duration: 3 days

Course Description: This course teaches students how to implement a Reporting Services solution in an organization. The course discusses how to use the Reporting Services development tools to create reports, and how to use the Reporting Services management and administrative tools to manage a Reporting Services solution.

Audience: Information technology (IT) professionals and developers who need to implement reporting solutions by using Microsoft SQL Server 2008 Reporting Services.

Prerequisites: Students should 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, and SQL Server accounts (users and permissions).

Topics

MODULE 1: INTRODUCTION TO MICROSOFT SQL SERVER REPORTING SERVICES

- Overview of SQL Server Reporting Services
- Installing Reporting Services
- Reporting Services Tools

Lab: Introduction to Microsoft SQL Server Reporting Services

- (Level 200) Exploring Report Designer
- (Level 200) Exploring Report Manager

MODULE 2: AUTHORIZING BASIC REPORTS

- Creating a Basic Table Report
- Formatting Report Pages
- Calculating Values

Lab: Authoring Basic Reports

- (Level 200): Creating a Basic Table Report
- (Level 200): Formatting Report Pages

- (Level 200): Adding Calculated Values

MODULE 3: ENHANCING BASIC REPORTS

- Interactive Navigation
- Displaying Data

Lab: Enhancing Basic Reports

- (Level 200) Using Dynamic Visibility
- (Level 200) Using Document Maps
- (Level 200) Initiating Actions
- (Level 200) Using a List Data Region
- (Level 200) Creating a Tablix Report
- (Level 200) Adding Chart Subreport to Parent Report

MODULE 4: MANIPULATING DATA SETS

- Defining Report Data
- Using Parameters and Filters
- Using Parameter Lists

Lab: Manipulating Data Sets

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- (Level 200) Using Parameters to Restrict Query Results
- (Level 200) Using Parameters to Filter Report Data
- (Level 200) Creating Dynamic Parameter Lists
- (Level 200) Using Parameters with a Stored Procedure
- (Level 200) Displaying All Categories in a Parameter List

MODULE 5: USING REPORT MODELS

- Creating Report Models
- Using Report Builder

Lab: Using Report Models

- (Level 200) Creating a Report Model
- (Level 200) Using Report Builder to Create a Report

MODULE 6: PUBLISHING AND EXECUTING REPORTS

- Publishing Reports
- Executing Reports
- Creating Cached Instances
- Creating Snapshots and Report History

Lab: Publishing and Executing Reports

- (Level 200) Publishing Reports
- (Level 200) Executing Reports
- (Level 200) Configuring and Viewing a Cached Report
- (Level 200) Configuring and Viewing a Snapshot Report

MODULE 7: USING SUBSCRIPTIONS TO DISTRIBUTE REPORTS

- Introduction to Report Subscriptions
- Creating Report Subscriptions
- Managing Report Subscriptions

Lab: Using Subscriptions to Distribute Reports

- (Level 200) Creating a Standard Subscription

- (Level 200) Creating a Data-Driven Subscription

MODULE 8: ADMINISTERING REPORTING SERVICES

- Reporting Server Administration
- Performance and Reliability Monitoring
- Administering Report Server Databases
- Security Administration
- Upgrading to Reporting Services 2008

Lab: Administering Reporting Services

- (Level 200) Using Reporting Services Configuration Manager
- (Level 200) Securing a Reporting Services Site
- (Level 200) Securing Items

MODULE 9: PROGRAMMING REPORTING SERVICES

- Querying for Server Information Using a Web Service
- Automating Report Management
- Rendering Reports
- Creating Custom Code

Lab: Programming Reporting Services

- (Level 200) Using URL Access to Display a Report
- (Level 200) Building a Reporting Services Web Service Client
- (Level 200) Using the Report Viewer Control