

6065 - Introduction to MS SQL Server Reporting Services

1. Introduction to Microsoft SQL Server Reporting Services

Discover the role that Reporting Services plays in an organization's reporting life cycle, the key features offered by Reporting Services, and the components that make up the Reporting Services architecture.

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

2. Authoring Basic Reports

Discover the fundamentals of report authoring, including configuring data sources and data sets, creating tabular reports, summarizing data, and applying basic formatting.

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

3. Enhancing Basic Reports

Examine navigational controls and some additional types of data regions, and learn to use them to enhance a basic report.

- Interactive Navigation
- Displaying Data
- Exporting and Printing Reports
- Export Formats

4. Manipulating Data Sets

Explore data sets to a greater depth, including the use of alternative data sources and interacting with a data set through the use of parameters. Learn how to dynamically modify the data set underlying a data region by allowing parameters to be sent to the underlying query. Also, learn to use best practices to implement static and dynamic parameter lists when interacting with queries and stored procedures.

- Defining Report Data
- Using Parameters and Filters
- Using Parameter Lists
- If Time Permits: Displaying All Categories In A Parameter List
- Advanced Grouping
- Combining Reports
- Charts
- Pre-Defined Reporting Services Packages

5. Using Report Models

Learn to create a report model so business users can create their own reports without using the full Report Designer development environment. Learn how to use Report Builder to create a report from a report model.

- Creating Report Models
- Using Report Builder

6. Publishing and Executing Reports

Explore the various options you can use to publish reports to the report server and execute them.

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

7. Using Subscriptions to Distribute Reports

Learn to implement subscriptions so you can distribute reports either automatically by e-mail or by publishing reports to a shared folder.

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

8. Administering Reporting Services

Learn to administer the Reporting Services server, monitor and optimize the performance of the report server, maintain the Reporting Services databases, and keep the system secure.

- Server Administration
- Performance and Reliability Monitoring
- Administering Report Server Databases
- Security Administration Reporting Services Security
- Web Host Security
- Role-Based Security, Role Definitions, Role Assignments
- Tasks and Permissions
- Custom Security Extension

9. Programming Reporting Services

Learn to query Reporting Services information programmatically and automate report management tasks. Discover how to render reports without relying on Report Manager, and learn how you can extend the feature set of a report server by creating custom code.

- Querying for Server Information Using a Web Service
- Automating Report Management

- Rendering Reports
- Creating Custom Code
- Deployment Tools
- NET Assemblies to generate RDL

10. Troubleshooting and Maintenance of the Reporting Services Architecture

- Backup and Restore Reporting Services
- Common Installation Errors
- Database Connection Errors
- Credential Errors
- Report Errors
- Data Access Errors

LABS

Lab 1: Using Reporting Services Tools

- Exploring Report Designer
- Exploring Report Manager

Lab 2: Creating a Simple Report

- Creating a Basic Table Report
- Formatting Report Pages
- Adding Calculated Values

Lab 3: Enhancing a Report

- Using Dynamic Visibility
- Using Document Maps
- Initiating Actions
- Using a List Data Region
- Exporting Reports

Lab 4: Manipulating Data Sets

- Using Parameters to Restrict Query Results
- Using Parameters to Filter Report Data
- Creating Dynamic Parameter Lists
- Using Parameters with a Stored Procedure
- Using Advanced Grouping
- Combining Reports
- Creating and Using Charts

Lab 5: Working with Report Models

- Creating a Report Model
- Using Report Builder to Create a Report

Lab 6: Publishing and Executing Reports

- Publishing Reports
- Executing a Report On Demand
- Configuring and Viewing a Cached Report
- Configuring and Viewing a Snapshot Report

Lab 7: Implementing Subscriptions

- Creating a Standard Subscription
- Creating a Data-Driven Subscription

Lab 8: Administering Reporting Services

- Using Reporting Services Configuration Manager
- Securing a Reporting Services Site
- Securing Items

Lab 9: Programming Reporting Services

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

Lab 10: Programming Reporting Services

- Backup and Restore Reporting Services
- Identify and Troubleshoot Multiple Types of Errors

