

**Course 507:**  
**Microsoft SQL Server 2008 Reporting Services with  
Native and SharePoint Deployment  
(3 days)**

**Course Description...**

In this course, you will learn how to use SQL Server 2008 Reporting Services (SSRS) for deployment in native mode using Report Server and deployment to SharePoint using Integrated Mode. You will explore the basic architecture of SSRS and gain an understanding of the components of SSRS 2008.

The reports you create in the course will employ single use data sources and shared data sources as connections to data stored in the relational database Microsoft SQL Server 2008. You'll explore tabular and list reports that employ datasets and data regions and edit data region properties using the Tablix approach. You'll establish a foundation in working with report parameters and query parameters, and understand how Reporting Services parameters work relative to queries and stored procedures, and create parameters in ad-hoc SQL. You will build reports that use matrix feature and a variety of chart features.

Deploying options for SSRS are explored starting with native mode using Report Manager and then moving to a SharePoint environment.

**Learning Objectives...**

- Create tabular, list, matrix, charts, and parameterized reports.
- Manipulate data by building field expressions and making use of collections.
- Create Groups using the grouping pane for Details Group and Row Groups.
- Use parameters with stored procedures, with values on reports and unbound parameters.
- Deploy reports using native mode to Report Manager.
- Deploy reports using integrated mode to SharePoint.

**Suggested Prerequisite Training...**

This course assumes no prior knowledge of SQL Server Reporting Services or Visual Studio.

**See next page for a detailed course outline...**



## Course Outline...

### **Introducing SQL Server Reporting Services**

- Investigate what SQL Server Reporting Services can do
- Explore the basic architecture of SQL Server Reporting Services
- Identify the components of the report architecture and know what each does
- Gain a basic understanding of components in SQL Server Reporting Services
- Create a basic report using the SQL Server Reporting Services Wizard
- Discuss deployment options from a high level perspective
- Build a first report using the Report Wizard approach
- Import Microsoft Access reports
- Get familiar with Visual Studio Report Designer
- Create a dataset for use in multiple reports

### **Creating Tabular and List Reports**

- Work with data sources, data sets, and data regions
- Learn how to create a tabular report from scratch
- Learn about datasets and data regions
- Discover how to add textboxes and other controls to reports
- Investigate the list data region
- Learn how to work with rich text to produce mail merge style reports
- Adding Report Headers and Footers

### **Calculation and Formatting**

- Explore how to create expressions in your reports using
- Work with the Expression Editor to create Visual Basic expressions
- Manipulate data with string expressions and conditional tests
- Discover the various collections that you can reference in your expressions
- Learn how to format report items using the formatting toolbars and properties
- Apply conditional formatting to make your reports more dynamic
- Learn about report variables and when you might need to use them

### **Grouping and Sorting**

- Explore creating groups
- Master the Reporting Services Grouping pane
- Adding Group Headers and Footers
- Learn how to calculate group totals and percentages
- Understand scope as it applies to aggregate functions
- Discover interactive sorting
- Find out how to create drill-down reports

### **Working with Parameters**

- Discover how report parameters work with stored procedure parameters
- Learn the relationship between query parameters and report parameters
- Create a report that uses a single parameter value
- Create a report that uses multiple parameter values
- Find out how to display parameter values in report headers
- Discover how to improve parameter prompts using drop-down list parameters
- Dig into the use of unbound, multivalued, and cascading parameters
- Learn how to solve common parameter issues

### **Creating Matrix Reports and Charts**

- Learn how to create matrix reports
- Work with automatically calculating total values
- Add dynamic and static columns to a matrix
- Investigate Reporting Services charts
- Configure chart options and add data series to charts
- Explore the use of Reporting Services gauges



## **Deploying to Native Report Manager**

- Understand how to plan and configure for deployment
- Learn how to deploy Reporting Services projects, reports, and data sources
- Export reports to a variety of formats and use client-side printing options
- Investigate how to manage Reporting Services projects using Report Manager
- Create linked reports
- Explore the storing of credentials within a data source

## **Deploying to SharePoint Integrated Mode**

- Review the requirements for deploying to SSRS to SharePoint
- Review the features and functions available in SharePoint with SSRS
- Review the features and functions not available in SharePoint with SSRS
- Install the SSRS 2008 add-in for Microsoft SharePoint Technologies
- Work with Report Services Configuration Manager to point to SharePoint
- Discuss and choose an authentication mode for SSRS to SharePoint
- Create a Report Document Library in a SharePoint site
- Set target data source folder to deploy to a report document library
- View a SharePoint SSRS report using RSViewerPage
- View a SharePoint SSRS report using SSRS Viewer Web Part
- Discover how to create standard report subscriptions