



## Microsoft SQL Server 2008<sup>®</sup> Reporting Services

### Course Description

In this course, you will learn how to use SQL Server<sup>®</sup> 2008 Reporting Services. Explore its basic architecture and gain a basic understanding of the components of SSRS 2008. You'll then explore tabular and list reports that employ datasets and data regions. As you progress you'll learn to add custom expressions, custom functions and format your reports using Visual Studio 2008 and SQL Server 2008 Business Intelligence Studio. The reports you create in the course will employ shared data sources, interactive sorting, and drill-down capabilities. You'll then understand how Reporting Services parameters work and create parameters in ad-hoc SQL. Next you'll be building Matrix reports and charts then explore the use of Reporting Services gauges. The Deployment of Reporting Services projects follow using a variety of formats and client-side printing. You'll gain knowledge of SSRS Security in managing of user roles and accounts. You'll also discover how to view reports using URL access and the Reporting Services Web Service API, without requiring users to use Internet Explorer. Finally, you'll learn how to empower your users to create ad-hoc reports using Report Builder and Report Model projects.

### Audience

SQL Server<sup>®</sup> users

### Topics Covered

#### Introducing SQL Server Reporting Services

- Architecture of SQL Server Reporting Services
- Components behind SQL Server Reporting Services
- Create a basic report using the Reporting Services Wizard

#### Creating Tabular and List Reports

- Datasets and data regions
- Textboxes and other controls
- List data region
- Rich text to produce mail merge reports

#### Calculations and Formatting

- Using the Code window
- Global collections that you can reference in your expressions
- Formatting toolbars, the Properties window, and the Textbox Properties dialog box
- Conditional formatting to make reports more dynamic
- Report variables

#### Grouping and Sorting

- Reporting Services Grouping pane
- Calculate group totals and percentages
- Scope as it applies to aggregate functions
- Interactive sorting
- Drill-down reports
- Managing Reporting Services

#### Working with Parameters

- Reporting Services parameters with stored procedure parameters
- Create parameters in ad-hoc SQL
- Parameter values in report headers
- Parameter prompts using drop-down list parameters
- Unbound, multivalued, and cascading parameters
- Common parameter issues

#### Creating Matrix Reports and Charts

- Matrix reports
- Reporting Services charts
- Reporting Services gauges

#### Security

- Secure access to reports
- Report Manager to manage user accounts and roles
- SSL for report operations
- Credentials within a data source

#### Programming Reporting Services

- Programming interfaces URL to integrate Reporting Services reports into your applications
- Report Viewer controls to create Web pages and Windows Forms that render Reporting Services reports in place
- Report Views controls in local mode

#### Advanced Reporting Services

##### Programming

- Reporting Services Web Service API
- Report Server Web Service
- Custom assembly from a report
- Deployment and security issues of custom assemblies

##### Snapshots and Subscriptions

- Control report caching
- Scheduling of report snapshots
- Maintenance of report history
- Standard report subscriptions
- Data-driven report subscriptions

##### Ad-Hoc Reporting with Report Builder

- Report Builder 1.0 & Report Builder 2.0
- Report Builder to build ad-hoc tabular, matrix and chart reports
- Report Builder reports without using the wizards
- Report Model projects using Visual Studio and deploy them to a Reporting Services server

### IN BRIEF

**Delivery:** Instructor-led course

**Duration:** 3 days

**Class size:** 10 Students Max.

**Cost:** \$2350 per person + GST

**Inclusions:** Microsoft expert instructor, comprehensive course manual, individual computer access, and fully catered lunch, morning and afternoon tea breaks.

### Prerequisites:

This course does assume prior knowledge of SQL Server 2008 and the use of SQL Server Management Studio for development, Visual Studio<sup>®</sup> 2008 using Visual Basic<sup>®</sup> and administrative tasks. The user should be able to write and run expressions, script files and diagnose problems that occur.