

## SQL Server<sup>®</sup> 2008 Reporting Services: Hands-On - 4 Days

*Course 140 Overview*

- You Will Learn How To**
- Leverage SQL Server 2008 Reporting Services to extract business intelligence from your data
  - Design reports and display your data graphically with enhanced visualization features
  - Integrate parameters, filters and interactive components into report design
  - Deploy and deliver relevant reports across the entire enterprise through Report Server and SharePoint
  - Safeguard reports with Windows Authentication
  - Easily create reports on Analysis Services cubes with Report Builder and Report Designer
- Course Benefits** SQL Server 2008 Reporting Services meets demanding requirements by providing a powerful and versatile reporting platform of data on SQL Server, Oracle or any other database system. In this course, you learn how to glean business intelligence from your data. In addition, you gain the knowledge and skills to produce compelling reports with enhanced visualization features, and deliver the reports through organization portals.
- Who Should Attend** Those designing, creating or delivering reports from relational databases with SQL Server 2008. Previous exposure to any database system or spreadsheet data is assumed.
- Hands-On Training** Throughout this course, you gain extensive experience creating and managing reports using Reporting Services. Exercises include:
- Producing customized reports with expressions
  - Employing Tablix to produce new report formats
  - Leveraging advanced reporting charts
  - Creating cached instances, snapshots and subscriptions
  - Deploying reports to the Report Server
  - Configuring and testing security on report items
  - Creating reports on Analysis Services cubes

# SQL Server® 2008 Reporting Services: Hands-On - 4 Days

## Course 140 Outline

### Introduction to SQL Server 2008 Reporting Services

- Identifying deployment: native, integrated or single server
- Managing web farm deployment with/without SharePoint

### Developing Reports

#### Designing fundamental reports

- Connecting to relational and multidimensional data sources
- Generating a Tablix reporting structure
- Building an interactive chart
- Creating reports with richly formatted text

#### Composing expressions

- Computing custom fields
- Linking expressions to properties
- Employing conditional formatting

#### Arranging and sorting data

- Multiple-level grouping and categorizing the results
- Applying aggregate functions

#### Producing various outputs from a Tablix

- Creating parallel dynamic group report formats
- Combining dynamic and static columns

### Integrating Parameters and Filters

#### Incorporating parameters into reports

- Yielding subsets of data with query parameters
- Aligning report parameters to query parameters
- Constructing cascading report parameters
- Transmitting parameters to stored procedures
- Handling multivalued parameters

#### Applying filters to report data

- Augmenting performance with filters
- Determining filters vs. query parameters

### Implementing Interactive Features

#### Combining multiple data regions in one report

- Applying sequential and nested regions
- Creating master/detail reports and linking subreports

#### Showing robust data with relevant detail

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- Drilling through report detail and drilling down report data
- Navigating reports with document maps
- Reporting with hierarchical rows and dynamic headers

### Deploying and Delivering Reports

#### Deploying reports to the server

- Publishing reports and configuring project properties
- Verifying results with Report Manager

#### Identifying delivery options

- Electing on demand or via subscription
- Enhancing performance with cached instances and snapshots
- Configuring snapshot history
- Formatting different outputs

#### Dispatching subscription reports

- Publishing reports via e-mail and fileshare
- Seamlessly delivering reports by data-driven subscriptions

#### Integrating reports with SharePoint

- Deploying reports to SharePoint
- Viewing results in Report Center and Data Connections libraries

### Safeguarding Reporting Services

#### Structuring content security

- Leveraging existing Windows authentication
- Establishing permission levels on report items

#### Ensuring the RS system

- Instituting varying levels of administrative roles
- Granting and revoking system-level permissions

### Extended Reporting and Data

#### Visualization

#### Creating reports on Analysis Services cubes

- Exploiting cubes as intuitive data sources for nontechnical and power users
- Working with the slicing and dicing features of Analysis Services
- Generating parametrized reports with MDX Builder

#### Designing reports for data visualization

- Improving data visualization with sparklines, data bars, maps and indicators
- Implementing Key Performance Indicators (KPIs)
- Dragging and dropping visualization components to display inline

#### Delivering Reports to Users

- Accessing and controlling reports using URLs
- Enumerating reports on a report server
- Embedding reports in applications with the Report Viewer
- Delivering reports through SharePoint