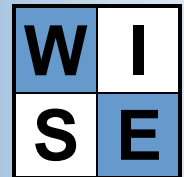


- COURSE CODE:** BISRS8
- COURSE TITLE:** SQL Server 2008/2008 R2 Reporting Services (SSRS) for Power Users and End Users
- AUDIENCE:** Business intelligence/data warehouse specialists, BI managers, BI power users and anyone tasked with tactical and strategic planning and analysis.
- PREREQUISITES:** Familiarity with desktop applications such as Microsoft Excel or Access. Some knowledge of SQL useful.
- DURATION:** 2 days
- LEVEL:** Beginner-to-intermediate
- SUMMARY:** This hands-on course is aimed at business intelligence power users and end users who want to develop reports with report models built by administrators. The course details how to use SQL Server 2008/2008 R2 Reporting Services' Report Builder 1.0, 2.0 and 3.0 tools to design and deliver a variety of report types in various formats.
- OBJECTIVES:** Upon completion of this presentation, the delegate should be competent to:
- Understand the scope and limits of Report Builder 1.0 vs. 2.0 vs. 3.0
  - Access data sources using report models and Query Designer (for SQL and MDX)
  - Create reports using the Report Builder tools
  - Create different types of reports, such as tables, matrices, charts and gauges
  - Sort data in reports
  - Filter data
  - Format reports
  - Publish reports
  - Render reports in Excel, PDF, etc.
- FORMAT:** Lecture and hands-on (about 70%).



### 1. REPORTING OVERVIEW

- Understanding Business Intelligence
- Reporting options
- Audience type considerations
- Enterprise reporting life cycle
- What is SQL Server Reporting Services (SSRS)?
- SSRS interfaces
- Ad-hoc reporting
- Report Builder 1.0 vs. Report Builder 2.0 vs. Report Builder 3.0

### 2. UNDERSTANDING DATA SOURCES AND DATA SETS

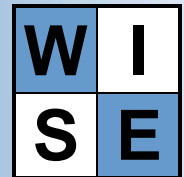
- Report Structure
- Connecting to Data
- Data Sources
- Datasets
- What is a report model?
- Accessing report models
- Perspectives, Entities and Fields
- Query Designer
- What is SQL (Structured Query Language)?
- What is MDX (MultiDimensional Expressions)?

### 3. REPORT BUILDER 1.0 (2008 only)

- Launching Report Builder 1.0
- Understanding the interface
- Accessing report models
- How Report Builder uses the report model
- Table reports
- Matrix reports
- Charts

### 4. REPORT BUILDER 2.0 & 3.0

- Launching Report Builder 2.0
- Launching Report Builder 3.0
- What's new in Report Builder 3.0?
- Understanding the interface
- Ribbon
- Data sets window
- Grouping panes
- Properties window
- Accessing data sources
- Defining the data set



### 5. DESIGNING REPORTS

- Create report using the Wizard
- Using the Query Designer to access a relational database (SQL)
- Understanding data regions (tablix, etc.)
- Report Items
- Formatting reports
- Filtering data
- Grouping and sorting data
- Adding expressions
- Working with formulas and functions
- Working with graphic elements
- Adding parameters

### 6. RUNNING REPORTS

- Previewing a report
- Page setup
- Controlling page breaks, headings and columns
- Printing a report
- Exporting a report (e.g., Excel, PDF, etc.) from Report Builder

### 7. USING ANALYSIS SERVICES (SSAS) AS A DATA SOURCE

- What is OLAP?
- OLAP and Cubes
- SSAS & Microsoft BI Platform
- MDX Query Designer
- Create Report Using SSAS as a Data Source
- Understanding Non-additive and Semi-additive Measures

### 8. CHARTS, GAUGES AND SPARKLINES

- Chart Types
- When to Use which chart
- Chart Elements
- Working with Gauges
- Working with Sparklines

### 9. PUBLISHING REPORTS

- Saving a report
- Sharing a report
- Report Manager
- Exporting a report (e.g., Excel, PDF, etc.) from Report Manager
- SharePoint Report Center
- My Reports

### 10. SECURITY CONSIDERATIONS

- Understanding security
- Securing your reports