



## SQL Server 2012 Reporting Services

This three-day instructor-led course is intended for information workers and database professionals who are interested in expanding their knowledge about SQL Server 2012 Reporting Services.

During this course, participants will learn how to use Report Designer in SSDT and Report Builder, work with solutions and projects, design basic reports, enhance reports with formatting and images, effectively group and summarise data, work with parameterised reports, incorporate charts and custom maps, and work with drillthrough reports, and manage reports.

### Who Should Attend:

This course is intended for information workers and database professionals who have a general familiarity with databases prior to the class.

### Course Prerequisites:

**Before attending this course, participants must have, in addition to their professional experience:**

- A general familiarity with databases prior to the class
- Additionally, working knowledge of Microsoft SQL Server or Microsoft Office applications is beneficial

### Course Objectives:

**After completing this course, participants will be able to:**

- Work with solutions and projects
- Design basic reports
- Work with table, matrix, and list report items
- Enhance reports with formatting and images
- Effectively group and summarise data
- Work with parameterised reports
- Incorporate charts and custom maps
- Work with drillthrough reports
- Manage reports
- Utilise Report Builder

**Course Code:** 55119A  
**Course Duration:** 3 Days

### Course Summary

**Module 1:** SSRS Overview and Tools

**Module 2:** Working with Solutions and Projects

**Module 3:** Creating Basic Reports

**Module 4:** Formatting Reports

**Module 5:** Custom Expressions

**Module 6:** Summarising and Sorting

**Module 7:** Add Flexibility with Parameters

**Module 8:** Enhanced Report Items

**Module 9:** Using Report Manager

**Module 10:** Using Report Builder for SQL Server 2012

**Microsoft Partner**

Gold Data Analytics  
Gold Data Platform  
Silver Learning

[www.wardyit.com](http://www.wardyit.com)

[contact@wardyit.com](mailto:contact@wardyit.com)

Call 1300 927 394 to register for this course today as places are strictly limited.



## Course Outline

### Module 1: SSRS Overview & Tools

This module provides an introduction to the topics covered in the class, introduces Reporting Services features, the tools available with SQL Server 2012, and introduces participants to SQL Server documentation.

#### Lessons

- Reporting Services Features
- Tools Available with SQL Server 2012
- SQL Server Documentation

### Module 2: Working with Solutions & Projects

This module covers working with solutions and projects within Visual Studio

#### Lessons

- Working with SQL Server Data Tools
- Understanding Solutions and Projects
- Working with the Visual Studio Interface

#### Lab (optional)

- Creating and Managing a Project

### Module 3: Creating Basic Reports

This module covers building reports from start to finish, and tips and tricks for successful report building.

#### Lessons

- What is a Data Source?
- What is a Dataset?
- Using the Report Wizard
- What is Tablix?
- Creating a Tabular Report
- Creating a List Report
- What is a Matrix?
- Deploying a Project

#### Lab

- Creating Shared Data Sources and Datasets
- Using the Reporting Wizard
- Building a Basic Matrix Report

### Module 4: Formatting Reports

This module covers the features which enhance the visual impact of reports.

#### Lessons

- Working with Text Boxes
- Rich Text Formatting
- Managing Text Boxes
- Drawing Lines and Boxes
- Images
- Page Headers and Footers
- Adding a Document Map
- Rendering Reports

#### Lab

- Formatting a Tablix Data Region
- Enhancing a Report

### Module 5: Custom Expressions

This module covers expressions and how to use them to set dynamically changing properties or values.

#### Lessons

- Understanding Expressions
- Defining Expressions
- Working with Report Variables
- Understanding Lookup, LookupSet, and Multilookup Functions

#### Lab

- Using Expressions to Work with Dates
- Using Expressions to Manipulate Data

### Module 6: Summarising and Sorting

SQL Server Reporting Services (SSRS) offers grouping features to allow you to summarise data and then drill down into the details below the summary levels. This module will explain how to create and manage these groupings.

#### Lessons

- Creating Groups
- Parent/Child vs. Adjacent Groupings
- Adding Totals and Aggregations
- Creating Aggregates of Aggregates

#### Lab

- Adding Parent Groups to a Report
- Working with Groups



### Module 7: Add Flexibility with Parameters

Paramaterised reports allow users to customise reports to show only the data they are interested in. This module covers the use of parameters and filters.

#### Lessons

- Adding Parameters to a Report
- Report Parameters vs. Query Parameters
- Manage Report Parameter Properties
- Use Parameters with SQL Queries and Stored Procedures
- Work with Cascading Parameters
- Sort Based on a Parameter Setting
- Filtered Reports

#### Lab

- Adding Parameters

### Module 8: Enhanced Report Items

This module explores the different ways data can be enhanced visually in a report.

#### Lessons

- Charts
- Gauges
- Add a Map to a Report
- Data Bar, Indicator, and Sparkline Report Items
- Nesting Data Regions
- Subreports and Drillthrough Reports
- Working with Drillthrough Reports

#### Lab

- Creating a complete solution (if time permits)
- Adding data visualisation report items to a report
- Adding a correlated sub-report

### Module 9: Using Report Manager

This module provides details on how to run and manage reports using Report Manager

#### Lessons

- Deployment
- Navigating Report Manager
- Understanding Permissions
- Viewing Reports
- Working with Shared Data Sources
- Managing Reports

#### Lab

- Creating and Deploying Projects
- Working with Report Manager

### Module 10: Using Report Builder for SQL Server 2012

This module covers the use of Report Builder to apply lessons learned in previous modules.

#### Lessons

- ClickOnce vs. Stand-alone
- Installing the Stand-alone Version
- Using the Report Builder Tool
- Creating Datasets
- Creating Reports
- Creating Reports Using Wizards
- Creating Reports Without a Wizard
- Opening Existing Reports
- Working with Report Parts

#### Lab

- Creating a basic report by using Report Builder
- Adding data visualisation report items to a report