



## **SQL Server 2008, 2012 and 2014 Reporting Services for Users**

Course No. ISI-1202    3 Days    Instructor-led, Hands-on

### **Introduction**

Microsoft Reporting Services is the component of Microsoft SQL Server that gives information workers a powerful means to present and analyze data consistently, quickly and reliably. Reporting Services allows you to turn enterprise data into meaningful standard and ad hoc reports that can be shared easily with co-workers, customers and partners.

This course covers traditional reporting services. It shows you how to apply Reporting Services in real life to build innovative Business Intelligence solutions.

If you want both traditional Reports Services and Analysis Services, please see Course 20466C.

If you specifically want the self-services reporting and big data features in SQL Server 2014 only, please attend Course 20466C first and then the five day Course 20467C.

### **At Course Completion**

After completing this course, students will be able to:

- Author professional table crosstab and chart reports
- Super charge report capabilities with custom code
- Empower business users to create ad hoc reports
- Install, update and manage the report environment
- Manage subscribed report delivery and report execution
- Define security policies to enforce restricted access
- Integrate report clients by URL and Web service
- Report enable Windows and web applications
- Retrieve data from any data source
- Extend report delivery
- Customize report security
- Implement custom report controls
- Customize report distribution

### **Prerequisites**

Before attending this course, students should have

- Exposure to Visual Studio.NET
- Exposure to creating reports in Microsoft Access or other reporting products, such as Crystal Reports
- Experience navigating the Microsoft Windows Server environment
- Experience with Microsoft Windows services, such as starting and stopping services and creating service accounts and permissions

**Contact ISInc for more information at 916.920.1700 or by visiting our website at <http://www.isinc.com>**



## **Course Outline**

### **Module 1: Getting Started with Reporting Services**

- Understanding Reporting Services
- Overview of Reporting Services
- The Reporting Services architecture
- Applied Reporting Services

### **Module 2: Installing Reporting Services**

- Planning
- Performing
- Upgrading
- Performing initial configuration

### **Module 3: Report Design Fundamentals**

- Designing for Report design
- Working with Report Server projects
- Authoring a basic report
- Auto-generating report definitions

### **Module 4: Designing Data Access**

- Understanding data access
- Connecting to data
- Working with datasets
- Working with report parameters
- Working with other data sources

### **Module 5: Designing Tablix Reports**

- Designing tabular reports
- Designing crosstab reports
- Designing freeform reports
- Implementing interactive reports

### **Module 6: Designing for Data Visualization**

- Designing chart reports
- Working with chart types
- Designing gauge reports

### **Module 7: Advanced Report Design**

- Designing for rich formatting
- Designing for report output
- Extending reports with custom code

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- Report design challenges and solutions

### **Module 8: Building Report Models**

- Understanding report builder
- Implementing report models
- Refining report models
- Working with analysis services models

### **Module 9: Authoring Ad Hoc Reports**

- Understanding Report Builder Client
- Designing Ad Hoc reports
- Advanced Ad Hoc reporting
- Securing Report Builder models

### **Module 10: Previewing Report Builder**

- Understanding Report Builder
- Authoring an OLAP report
- Authoring a relational report

### **Module 11: Management Fundamentals**

- Understanding report management
- Managing Report Server content
- Managing security

### **Module 12: Managing Report Execution and Subscriptions**

- Managing Report execution
- Managing subscriptions

### **Module 13: Advanced Report Management**

- Programming report management
- Monitoring Reporting Services
- Configuring memory utilization
- Managing the Report Server database

### **Module 14: Integration**

- Integration fundamentals
- Working with URL access
- Working with the Report Server Web service

### **Module 15: Reporting for .NET Clients**

- Understanding embedded reporting
- Reporting for Windows forms clients
- Reporting for Web client
- Reporting for Rich Internet Applications

### **Module 16: Extending Data Access**

- Understanding custom data processing extensions
- Using custom dataset extensions with reports
- Implementing custom data processing extensions
- Deploying and debugging

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### **Module 17: Customizing Security**

- Introducing custom security
- Implementing custom security extensions
- Implementing role membership
- Integrating custom security
- Troubleshooting custom security

### **Module 18: Extending Report Delivery**

- Understanding custom subscription delivery
- Implementing custom report delivery
- Deploying custom delivery extensions

### **Module 19: Implementing Custom Report Items**

- Understanding custom report items
- Implementing custom report items
- Working with Progress Tracker
- Understanding custom data regions

### **Module 20: Customizing Report Definitions**

- Understanding report definition customization extensions
- Working with the extension sample