

# SQL Server 2008 R2 Reporting Services: Administration and Troubleshooting



## WorkshopPLUS

### **Target Audience:**

*This is an advanced course for SQL Server 2008 R2 Reporting Services and is only targeted at IT staff with a good understanding of web technologies, database administration and general troubleshooting techniques. An understanding of the SharePoint architecture is also recommended, but not required for this course.*

*Note that if you are interested in developing reports using SQL Server Reporting Services (SSRS), you should consider attending the SQL Server 2008 R2 / 2012 Reporting Services for Developers course.*

## Overview

The SQL Server 2008 R2 Reporting Services Administration and Troubleshooting WorkshopPLUS provides attendees with deep knowledge and understanding of administration and troubleshooting techniques needed to configure, administer, secure and solve issues on SQL Server 2008 R2 Reporting Services. Through presentations, white-board discussions, and goal-based labs, this three-day WorkshopPLUS covers the individual approaches for administering an enterprise deployment of Reporting Services.

### Key Features and Benefits

Each group of modules is organized by scenario and is designed to provide participants with expertise, tools and hands-on experience to help configure, administer, secure and troubleshoot Reporting Services.

### Technical Highlights

After completing this course, you will be able to:

- Understand the architecture and configuration of SQL Server 2008 R2 Reporting Services
- Understand how to effectively plan for scalability
- Administer features such as subscriptions, on-demand reporting, SharePoint integrated mode, and security
- Use tools and logs to identify performance issues and monitor historical report execution

# Syllabus

## **Hardware Requirements:**

*The virtual machines used in this WorkshopPLUS are complex, and require hardware not typically available in the classroom, so the virtual machines are Cloud-hosted. Course participants will need a computer with the following minimum configuration:*

- *Operating System: Windows 7*
- *Hard drive with 50 GB of free disk space*
- *A USB port*
- *A 10 megabits per second (Mbps) or faster network adapter*
- *An evaluation copy of Office 2010 Professional*
- *A PDF reader*

*Participants also need a Microsoft account /Windows Live ID to connect to the virtual environment. The classroom must be networked with at least a total Internet bandwidth of 2 Mbps. TCP port 443 must be open. We highly recommend a wired network in the classroom.*

This WorkshopPLUS runs for **three**-full days. Students should anticipate consistent start and end times for each day. Early departure on any day is not recommended.

**Module 1: Architecture and Management:** This module provides an overview of the architecture and administration of SQL Server 2008 R2 Reporting Services.

**Module 2: Planning the installation:** In this module, you will be presented with techniques and approach methodologies that are useful in planning for scalability and sizing of Reporting Services deployments.

**Module 3: Installation and Configuration:** This module presents the types of installations involved in deploying Reporting Services and how to configure the services after installation.

**Module 4: Scale Out Deployment:** This module covers in-depth planning for a scale-out deployment for both native mode and SharePoint integrated mode.

**Module 5: SharePoint Integration:** This module focuses on configuring SharePoint integrated mode using SharePoint 2010. Changes in the service architecture for SQL Server 2012 Reporting Services are also discussed.

**Module 6: Managing Reporting Services:** This module provides in-depth presentation of the day-to-day administration of Reporting Services.

**Module 7: Performance Tuning:** In this module, you will be presented with the most common issues related to ensuring Reporting Services is configured for optimal performance. Various techniques for troubleshooting are also discussed.