

SQL SERVER 2005 REPORTING SERVICES

Course Length: 3 days (Current Version: ap-ssrs-A)

Course Description: In this course, you will learn how to use SQL Server 2005 Reporting Services to create, execute, and manage reports. You will learn how to create tabular, matrix (cross-tab), and chart reports using Visual Studio 2005 and SQL Server 2005 Business Intelligence Studio. You'll explore creating reports with groups, expressions, conditional formatting, and parameters. The reports you create in the course will employ shared data sources, interactive sorting, and drill-down capabilities. You'll explore the deployment and printing of reports and the export of reports to PDF, Excel, and other formats. You'll gain a thorough understanding of Reporting Services security, report snapshots, subscriptions, and the use of custom assemblies. You'll also discover how to integrate reports into your ASP.NET and WinForms applications using URL access and the Reporting Services Web Service API, without requiring users to use Internet Explorer. Finally, you'll learn how to create ad-hoc reports using Report Builder and Report Model projects.

Audience: SQL Server Users.

Prerequisites: Familiarity with databases and the SQL language. Knowledge of SQL Server, Visual Studio .NET/2005, C# or VB helpful, but not required.

Course Contents

Introducing SQL Server Reporting Managing Reporting Services Services

- Tour of Features
- Reporting Services Architecture and Terminology
- Reporting Services Editions
- Taking Reporting Services for a Spin
- Deploying Reports and Data Sources
- Exporting Reports and Printing
- Using the Web-Based Report Manager
- Using SQL Server Management Studio-based Reporting Services Manager

Reporting Services Security

Creating Reports

- Deconstructing Reporting Services
- Shared Data Sources
- Creating Reports from Scratch
- Two Parts to Reporting Services Security
- Securing Access to Reports
- Data Source Security

Programming Reporting Services

- The Many Reporting Services APIs
- Integrating Reporting Services into

Calculations and Formatting

- Creating Expressions
- Using the Global Collections
- Formatting Items
- Conditional Formatting

Grouping and Sorting

- Creating Groups
- Calculating Totals and Percentages
- Interactive Sorting
- Creating Drill-Down Reportss

Report Parameters

- Creating Report Parameters
- Creating Drop-Down Parameters
- Multi-Valued Parameters
- Debugging Parameter Issues

Creating Matrix Reports and Charts

- Creating a Basic Matrix Report
- Matrix Subtotals
- Creating a Basic Chart
- Exploring the Charting Possibilities

Applications using URL Access

- Using the Report Viewer Controls

Advanced Reporting Services Programming

- Using the Reporting Services Web Service
- Working with Custom Assemblies

Snapshots and Subscriptions

- Caching and Snapshots
- Creating Standard Subscriptions
- Creating Data-Driven Subscriptions
- Managing Subscriptions

Ad-Hoc Reporting with Report Builder

- The Report Builder Architecture
- Creating Report Model Projects
- Running Report Builder