prologika

Microsoft Partner
Gold Data Analytics
Silver Data Platform

Applied Reporting Services Course

Reporting is the last and most important stage of the long and arduous process of collecting, storing, transforming, and manipulating data. Microsoft SQL Server Reporting Services has evolved into a sophisticated reporting platform that lets you present and analyze data consistently, quickly, and reliably!

Syllabus

This intensive 4-day class is designed to help you become proficient with Reporting Services and acquire the necessary skills to author, manage, and deliver reports. Attend this class and get a free paper copy of the book Applied Microsoft SQL Server 2008 Reporting Services! This 750-page book is designed as an easy-to-follow guide for navigating safely the most intricate aspects of the technology. It will help you enhance your Reporting Services skills beyond the topics covered in the course.

Module 1: Introducing Reporting Services

Reporting Services overview
Logical and physical Architecture
Lab 1: Understanding the report lifecycle
Installing and upgrading Reporting Services
Lab 2: Using the Reporting Services Configuration Manager

Module 2: Report Design Fundamentals

The role of Report Definition Language (RDL)
Working with Report Server projects
Lab 1: Performing project tasks
Understanding report items
Understanding expressions, collections, and functions
Lab 2: Authoring a basic tabular report

Module 3: Designing Data Access

Understanding data architecture
Understanding data sources and datasets
Lab 1: Working with datasets
Understanding parameters
Lab 2: Working with report parameters

Module 4: Designing Tablix Reports

Understanding tabular reports
Lab 1: Designing tabular reports
Understanding crosstab reports
Lab 2: Designing crosstab reports
Understanding freeform reports
Lab 3: Designing freeform reports
Understanding interactive features
Lab 4: Implementing drillthrough reports

Module 5: Designing Chart Reports

Understanding chart enhancements
Understanding chart region
Lab 1: Designing chart reports
Understanding gauge region
Lab 2: Designing gauge reports

Module 6: Ad hoc Reporting

Choosing ad hoc reporting solution
Understanding Report Builder models
Lab 1: Implementing Report Builder models
Understanding Report Builder 1.0
Lab 2: Authoring reports with Report Builder 1.0
Understanding Report Builder 2.0
Lab 3: Authoring reports with Report Builder 2.0
Ad Hoc Reporting with Analysis Services
Lab 4: Authoring OLAP reports

Module 7: Management Fundamentals

Understanding management tools
Understanding report server content
Lab 1: Managing report content
Understanding report server security
Lab 2: Managing security

Module 8: Managing Report Execution

Understanding report execution options

Lab 1: Managing execution snapshots
Understanding report server logs
Lab 2: Working with execution log
Understanding management APIs
Lab 3: Programming management tasks

Module 9: Delivering Reports

Understanding URL addressability
Lab 1: Requesting reports by URL
Embedded reporting with ReportViewer controls
Lab 2: Embedding reports in .NET applications
Understanding subscribed report delivery
Lab 3: Subscribed report delivery
Understanding SharePoint integration
Implementing dashboard report pages

Module 10: (Optional) Advanced Reporting Concepts

Working with embedded and external code
Using report variables
Generating RDL programmatically
Reporting from XML data
Customizing report output

Module 10: (Substitute) What's New in Reporting Services R2

Understanding data visualization enhancements
Visualizing geospatial and geometry data
Working with report parts
Understanding data enhancements
Miscellaneous new features

Audience

Information technology (IT) professionals
Developers
Database administrators (DBA)

Prerequisites

Exposure to creating reports in Microsoft Access or other reporting products

Experience navigating the Microsoft Windows environment
Experience with Microsoft SQL Server, including authoring T-SQL queries
Experience with Visual Studio IDE is preferable

Hardware and software requirements

SQL Server 2008 or SQL Server 2008 R2 installed and functional
Report Builder 3.0 installed
Visual Studio for selected code samples
AdventureWorks and AdventureWorksDW databases installed
Analysis Services Adventure Works cube deployed
Detailed software setup instructions will be sent before the event.

Instructor

Teo Lachev is a consultant, author, and mentor, with a focus on Microsoft Business Intelligence. Through his Atlanta-based company "Prologika", a Microsoft Gold Partner in Data Analytics, he designs and implements innovative solutions that unlock the power of data and bring tremendous value to his customers, ranging from small companies to Fortune 50 organizations. Teo has authored and co-authored several SQL Server BI books and he has been leading the Atlanta Microsoft Business Intelligence group since he founded it in 2010. Microsoft has recognized Teo's expertise and contributions to the technical community by awarding him the prestigious Microsoft Most Valuable Professional (MVP) award since 2004.