
Business Intelligence with SQL Server 2008 (M6234-6235-6236)

Duration: 5 Days Course Code: GK7004

Overview:

*** Accelerated course ***

The purpose of this instructor-led course is to teach Business Intelligence (BI) Professionals working in enterprise environments to design and manage a multidimensional architecture that supports their BI solution.

The course consists of three parts: SQL Analysis services, SQL Integration services, SQL Reporting services.

Also applicable for people who use SQL 2005!!!

Target Audience:

Business Intelligence Development Studio Management Studio Performance Monitor Server Profile

Objectives:

■ **SQL Server Analysis Services**

■ Here students will be taught to design, create and manage cubes, dimensions, KPI, data mining models. Students will also learn how to use MDX, how to extend the functionality of a cube with MDXscripts and actions. We will also teach how to partition cubes, how to process cubes and dimensions and how to create an aggregation design for partitions. Performance optimization and maintenance of a multidimensional database is also part of the curriculum.

■ **SQL Server Integration Services**

■ Here students will be taught to design an ETL (Extract Transform and Load) solution that supports their BI Solution. Students will also learn how to create a dataflow task and work with sources, transformations and destinations. In addition the use of scripting to extend the functionality of SSIS will be taught. Finally optimizing a SSIS solution and deploying it is also taught.

■ **SQL Server Reporting Services**

■ Students will learn how to design a reporting services solution that supports their BI solution. Students will go through the entire process of authoring their reports, deploying and managing of their reports and finally rendering of the report. Students will be taught how to optimize the execution of reports and how to secure reports. Finally students will also learn how to use reports models to allow end users to do ad hoc reporting.

Prerequisites:

- Creating Transact-SQL queries
- Writing and optimizing advanced queries (for example, queries that contain complex joins or subqueries)
- Creating database objects such as tables, views, and indexes
- Be familiar with SQL Server 2008 features, tools, and technologies.
- Have foundational conceptual understanding of data warehousing, data marts, and Business Intelligence.
- Have foundational understanding of Microsoft Windows security. For example, how groups, delegation of credentials, and impersonation function in a security context.
- Have a conceptual understanding of OLAP technologies, multidimensional data, MDX, and relational database modeling. For example, know what facts, dimensions, measures, calculated measures, and foreign keys are.
- Have foundational understanding of Web-based architecture. For example, SSL, SOAP, IIS

Testing and Certification

70-448: Microsoft SQL Server 2008 – Business Intelligence Development and Maintenance

Content:

Module 1: Introduction to Microsoft SQL Server Analysis Services	Module 10: Introduction to SQL Server Integration Services	Module 19: Introduction to Microsoft SQL Server 2008 Reporting Services
Module 2: Creating Multidimensional Analysis Solutions	Module 11: Developing Integration Services Solutions	Module 20: Authoring Basic Reports
Module 3: Working with Cubes and Dimensions	Module 12: Implementing Control Flow	Module 21: Enhancing Basic Reports
Module 4: Working with Measures and Measure Groups	Module 13: Implementing Data Flow	Module 22: Manipulating Data Sets
Module 5: Querying Multidimensional Analysis Solutions	Module 14: Implementing Logging	Module 23: Using Report Models
Module 6: Customizing Cube Functionality	Module 15: Debugging and Error Handling	Module 24: Publishing and Executing Reports
Module 7: Deploying and Securing an Analysis Services Database	Module 16: Implementing Checkpoints and Transactions	Module 25: Using Subscriptions to Distribute Reports
Module 8: Maintaining a Multidimensional Solution	Module 17: Configuring and Deploying Packages	Module 26: Administering Reporting Services
Module 9: Introduction to Data Mining	Module 18: Managing and Securing Packages	Module 27: Programming Reporting Services

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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