

SQL Server Business Intelligence

Course GWE500080A: Two days; Instructor-Led



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Introduction

Elements of this syllabus are subject to change.

This two-day instructor-led course provides students with the knowledge of the many new and enhanced Microsoft SQL Server business intelligence (BI) features designed to give a students a competitive advantage. These advantages include integrating multiple data sources with Integration Services; enriching data and building complex business analytics with Analysis Services; and writing, managing, and delivering rich reports with Reporting Services.

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Audience

This course is intended for IT professionals.

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At Course Completion

After completing this course, students will be able to:

- Explain the elements of SQL Server Business Intelligence.
- Input and output data, script to branch control, and configure and deploy packages.
- Create an account and work with measures.
- Scale Analysis Services.
- Use Client Reporting Tools and the web service.
- Create custom OLAP clients.
- Create queries using Analytical MDX.
- Create and execute a package using Integration Services.

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Prerequisites

Before attending this course, students must have:

- Basic knowledge of SQL Server

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Course Outline

Module 1: Quick Start Introduction

Lessons

- Introduction
- Integration Services
- Analysis Services
- Reporting Services
- SQL Server Management Studio

Module 2: Integration Services

Lessons

- Introduction
- Cleanse Data Input
- Output to Multiple Destinations
- Script to Branch Control
- Lookup Fuzzy Values
- Package Configuration and Deployment

Module 3: Core Analysis Services

Lessons

- Introduction
- Explore Analysis Services Objects
- Create an Account (Parent-Child) Dimension
- Create Measure Groups
- Add Time
- Work with Measures
- Create AMO

Module 4: Analysis Services Scalability

Lessons

- Analysis Services Demonstrations
- Introduction
- Cube Scalability
- Aggregates in Natural Hierarchies

Module 5: Client Reporting Tools

Lessons

- Client Reporting Tools Demonstrations
- Introduction
- Use URL Access in Applications
- Use the Web Service

Module 6: Custom OLAP Clients

Lessons

- Custom OLAP Clients Demonstrations
- Introduction
- Render Cells
- Render a Flattened Rowset

Module 7: Analytical MDX

Lessons

- Analytical MDX
- Introduction
- MDX Queries: MDX vs. SQL
- MDX Stored Procedures

Module 8: Data Mining

Lessons

- Data Mining
- Introduction
- Browse Data Mining Models
- Add DM Viewers to a Web Page

Module 9: Extending Integration Services

Lessons

- Extend Integration Services
- Introduction
- Create and Execute a Package

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