

MS 2794A - Designing a Business Intelligence Solution for the Enterprise Using Microsoft SQL Server 2005

Description: The purpose of this two-day instructor-led course is to teach Business Intelligence (BI) professionals working in enterprise environments to design a BI solution architecture. Students will be taught the importance of keeping all components of the solution and stages of the lifecycle in mind. The first day focuses on foundational standards and practices for the enterprise. The second day focuses on a project-specific lifecycle for capturing requirements and deriving a solution architecture.

Days: 2

Prerequisites: Before attending this workshop, students must:

- Have foundational conceptual understanding of data warehousing, data marts, and Business Intelligence. Students must be well-versed on the subjects of data warehousing, data marts, and BI, and preferably have read at least one book by Ralph Kimball or Bill Inmon.
- Have conceptual understanding of the components of SQL Server 2005. For example, the online analytical processing (OLAP), extract, transport, and load (ETL), and reporting technologies.
- Have practical experience with OLAP, ETL, and Reporting on the SQL Server 2005 Platform. For example, constructing cubes, developing packages, and writing reports.
- Have foundational understanding of Microsoft Windows security. For example, how groups, delegation of credentials, and impersonation function in a security context.
- Have foundational understanding of Web-based architecture. For example, SSL, SOAP, and IIS-what they are and what their role is.
- Already know how to use:
 - Microsoft Office Visio
 - Microsoft SQL Server Business Intelligence Development Studio
 - Microsoft SQL Server Management Studio
 - Performance Monitor
 - Report Builder and Report Manager
 - Microsoft Visual SourceSafe

Audience: This course is intended for experienced BI and Microsoft SQL Server professionals. The target

students for this course already have an understanding of how to use the SQL Server 2005 tools to implement BI infrastructure and solutions, but need to develop their understanding of design principles and best practices when planning, implementing, and deploying a Business Intelligence architecture and solution.

Module 1: Introduction to Business Intelligence Architecture

In this module, students will learn about key design principles that should be considered when scoping a BI solution, and about the components of the back end and front end of a BI solution, so that they can design and develop appropriate BI solutions for organizations.

Lessons

- Overview of Business Intelligence
- Overview of Business Intelligence Architecture

Lab 1: Identifying Business Intelligence Solution Requirements

Module 2: Overview of the Business Intelligence Project Lifecycle

This module examines the core processes and requirements to achieve a successful Business Intelligence project.

Lessons

- Planning a Business Intelligence Project
- Determining Business Intelligence Requirements
- Revising and Updating a Business Intelligence Project

Lab 2: Planning a Business Intelligence Project

Module 3: Introduction to Business Intelligence Development

This module describes how to plan and manage the development process for a Business Intelligence project. It discusses considerations for assembling the development team, managing the development process, testing, and deploying the solution.

Lessons

- Overview of Business Intelligence Development
- Managing Business Intelligence Development
- Determining Data Management Process

Lab 3: Developing a Business Intelligence Solution

Module 4: Designing Business Intelligence Infrastructure

This module describes how to identify infrastructure requirements for a Business Intelligence solution, and how to design an effective infrastructure to provide the required levels of scalability and availability.

Lessons

- Determining Infrastructure Requirements
- Planning for Scalability and Availability

Lab 4: Supporting Business Intelligence Infrastructure Growth

Module 5: Managing Business Intelligence Operations

This module explains how to manage and operate a Business Intelligence solution.

Lessons

- Overview of Business Intelligence Operations
- Managing Maintenance and Operations Tasks
- Managing Data Archiving
- Managing Business Intelligence Operations for Business

Continuity

Lab 5: Using Microsoft Operations Framework (MOF) to Manage Business Intelligence Operations

Upcoming Classes

Jun 20, 2012 - Jun 21, 2012

Jul 10, 2012 - Jul 11, 2012

Aug 21, 2012 - Aug 22, 2012

Sep 12, 2012 - Sep 13, 2012

Oct 15, 2012 - Oct 16, 2012

Nov 06, 2012 - Nov 07, 2012

Dec 11, 2012 - Dec 12, 2012