

## Course Title

Developing Business Intelligent Application using Analysis Service 2005

## Overview

Microsoft SQL Server 2005 includes many new features for Business Intelligence developers. This hands-on course will explore these features using the development of an Analysis Services project as a solution-based training model. These features include Analysis Services with real-time analytics, Integration Services, Data Mining, Reporting Services, Key Performance Indicators, One-Click Cube, Proactive Caching, SQL Server Management Studio, Business Intelligence Development Studio, and integration with the Microsoft Office System

## Course Objective

- New features of SQL Server 2005 for the Business Intelligence Developer
- Install and use SQL Server Analysis Services
- Install and use SQL Server Integration Services
- Install and use SQL Server Reporting Services
- Use SQL Server Management Studio
- Use Business Intelligence Development Studio
- Utilize new Data Mining algorithms
- Track Key Performance Indicators
- Use the Cube Wizard
- Implement Proactive Caching
- Use Analysis Services with Microsoft Office

## Course Descriptions.

Module 1: SQL Server 2005 for the Business Intelligence Developer  
Module 2: SQL Server Tools for Business Intelligent System  
Module 3: SQL Server Integration Services  
Module 4: SQL Server Analysis Services  
Module 5: Set Up and Use Reporting Services  
Module 6: Use the Cube Wizard  
Module 7: Utilize New Data Mining Algorithms  
Module 8: Track Key Performance Indicators (KPIs)  
Module 9: Implement Proactive Caching  
Module 10: Extend Analysis Function using MDX  
Module 11: Programming SQL Server Analysis Service using AMO  
Module 12: Implement Cube Partitioning

## Course Code

**ET : 516**

## Course Level

Professional

## Course Duration

5 Days.

## Who should attend?

Students looking to leverage the power of SQL Server 2005 for the Analysis Services environment.

Anyone experienced with Business Intelligence application development will benefit from this class

## Pre-requisites

An understanding of relational database concepts and Business Intelligence application development.

# Course Outline

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## 1. New Features of SQL Server 2005 for the Business Intelligence Developer

- New features for the Business Intelligence Developer
- Editions
- System requirements
- Installation and upgrade
- Post-installation steps

## 2. SQL Server Management Studio and Business Intelligence Development Studio

- Administrative utilities
- SQL Server Management Studio
- Business Intelligence Development Studio
- Sample application

## 3. SQL Server Integration Services (SSIS)

- Overview of SSIS
- New SSIS architecture
- SSIS Designer
- Running SSIS packages

## 4. SQL Server Analysis Services (SSAS)

- Overview of SSAS
- New SSAS architecture
- Multidimensional databases
- Example application

## 5. Set Up and Use Reporting Services (SSRS)

- Reporting Services overview
- Development environment
- Report Manager
- Sample reports

## 6. Use the Cube Wizard

- Wizards overview
- The One-Click Cube Wizard

## 7. Utilize New Data Mining Algorithms

- New Data Mining algorithms
- Example application

## 8. Track Key Performance Indicators (KPIs)

- KPI overview
- Example application using KPIs

## 9. Implement Proactive Caching

- Proactive Caching overview
- Benefits of Proactive Caching
- Implementation

## 10. Use Analysis Services with Microsoft Office System

- Integration with Microsoft Office
- Example application

## 11. Report Builder

- Report Builder Architecture
- Report models
- Report Builder

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