

Course 500: Introduction to Microsoft SQL Server 2005 (4 Days)

Course Description...

This course is designed to provide an overview of Microsoft SQL Server 2005 to beginning users. Students will be able to create and manage databases and database files, create and maintain indexes, and implement data integrity by using constraints, defaults, and unique identifiers using the Management Studio and TSQL. Students will also implement basic administrative tasks such as creating users, backing up databases, and accessing data using basic TSQL queries.

Learning Objectives...

- Understanding SQL Server components
- Implementing data integrity constraints
- Creating indexes
- Creating database users and roles
- Implementing database backups and restore
- Executing data access queries
- Implementing aggregate functions
- Migrating and upsizing external data

Who should attend...

This hands-on course is for anyone who is new to SQL Server 2005 and anyone who is evaluating the product for future upgrades from previous versions.

Prerequisites...

Familiarization with any relational database product is the minimum requirement.

See next page for a detailed course outline...



Course Outline...

Chapter 1: Introduction to SQL Server 2005

- What is SQL Server 2005
- SQL Server 2005 Editions
- SQL Server 2005 Components
- SQL Server 2005 Architecture
- SQL Server 2005 Installation Options
- Management Studio

Chapter 2: Creating and Maintaining Databases

- Database Architecture
- Database Files
- Database Filegroups
- Data Types and Table Creation
- Data Modification Using DML

Chapter 3: Constraints and Indexes

- Creating Data Integrity Constraints
- Creating Indexes

Chapter 4: Database Administration

- Adding Database Users
- Adding Database Roles
- Adding Database Schemas
- Backup and Recovery

Chapter 5: Database Security

- Database Permissions
- User and Role Permissions
- Object Permissions
- Schema permissions

Chapter 6: Data Retrieval

- Single Table Retrievals
- Multi-table Retrievals
- Aggregate Functions
- Group by and Having Functions
- Creating and Retrieving Data Using Views

Chapter 7: Migrating External Data

- Importing Data Using Integration Services
- Upsizing Access Databases

Please contact your ROI representative to discuss course tailoring!!!