

Microsoft SQL Server Introduction

Create and administer SQL Server databases
Write T-SQL queries and work with the BI stack
Hands-on, 4-day introductory course

Facilities

- Class hours
- Building hours
- Restrooms
- Meals

About This Course

- Audience
 - Beginners who are new to Microsoft SQL Server
 - Anyone who needs a practical introduction to databases, T-SQL and BI
- Course Prerequisites
 - No prior SQL Server experience required
- Course Objectives
 - Create and administer SQL Server databases
 - Write Transact-SQL queries to retrieve and manipulate data
 - Secure, back up and monitor databases with Management Studio
 - Integrate SQL Server with Microsoft Office
 - Transform data into strategic information using BI components

What you can expect

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- 4-day instructor-led, hands-on training
- Focus on tools in the SQL Server platform, including Integration Services, Analysis Services and Reporting Services

Course Outline

- Module 1: Introducing SQL Server
 - Overview of the SQL Server suite of products
 - Fundamentals of the relational database engine
 - Benefits of the Business Intelligence stack and SQL Server tools
- Module 2: Building the Database
 - Designing and creating relational databases
 - Defining tables, data types, indexes and constraints
- Module 3: Leveraging Server Programmability
 - Retrieving and modifying data with Transact-SQL
 - Using stored procedures, functions and triggers

Course Outline

- Module 3: Leveraging Server Programmability
 - Retrieving and modifying data with Transact-SQL
 - Using stored procedures, functions and triggers
- Module 4: Administering SQL Server Databases
 - Maintenance, backup, integrity checks and performance monitoring
 - Securing logins, users, roles and permissions

Course Outline

- Module 4: Administering SQL Server Databases
 - Maintenance, backup, integrity checks and performance monitoring
 - Securing logins, users, roles and permissions
- Module 5: Integrating External Applications
 - Connecting SQL Server with Microsoft Office (Excel, Access)
 - Importing and exporting data, migrating from Access

Course Outline

- Module 6: Business Intelligence
 - Report Builder, Power Pivot
 - Analysis Services