

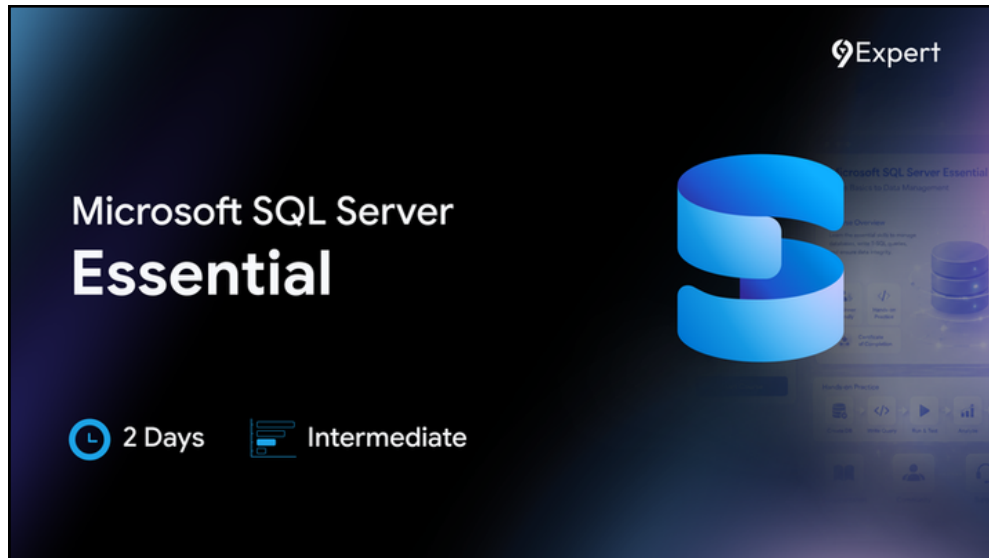


MICROSOFT SQL SERVER ESSENTIAL

Course ID : SQL-101



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Duration: 2 Days

(12 Hours) 09:00 AM – 04:00 PM



Price: 9,900 THB

* (excluding VAT 7%)

* Eligible for 200% tax deduction



Training Schedule

www.9experttraining.com

Category: Data

Begin your SQL Server journey with confidence.

This course is designed for individuals with limited or no prior experience in database management using Microsoft SQL Server. Participants will learn essential foundational concepts, including installation, initial permissions configuration, database creation, and basic SQL data querying. The curriculum establishes a strong foundation for further learning and future work in database management.

Objectives

1. Understand the fundamental concepts of Microsoft SQL Server.
2. Install Microsoft SQL Server and perform initial configurations in accordance with best practices.
3. Create databases using SQL Server Management Studio (SSMS).
4. Execute basic data queries using SQL.
5. Configure roles, authorizations, and permissions to enable secure data access.

Target Audience

1. Citizen DBAs
2. Citizen Developers
3. Beginners in Microsoft SQL Server or SQL Azure
4. Students, engineers, software developers, and individuals interested in database management

Prerequisites

1. No prior experience with Microsoft SQL Server is required.
2. Experience with any data storage application is beneficial.

System Requirements

1. Operating System: Windows 11 or Windows 10
2. Microsoft SQL Server installed
3. SQL Server Management Studio (SSMS)
4. Stable Internet access

TRAINING TOPICS

DAY 1 Morning Session 9:00 AM – 12:00 PM

1. Fundamentals of SQL Server
2. Installing Microsoft SQL Server [Practical] / Registering for SQL Azure
3. Overview of SQL Server Services
4. Introduction to SQL Server Databases and Relational Database Concepts

5. Introduction to SQL Server Management Studio (SSMS)

DAY 1 Afternoon Session 1:00 PM – 4:00 PM

6. Creating SQL Server Databases [Practical]
7. Understanding Tables, Columns, and Data Types
8. Creating Tables and Configuring Table Properties
9. Setting Constraints and Defining Relationships

DAY 2 Morning Session 9:00 AM – 12:00 PM

10. Workshop : Creating a Database for Customer and Sales Data
11. Basic T-SQL Commands
 - SELECT
 - INSERT, UPDATE, DELETE
 - Case studies and practical usage examples
12. Workshop : Querying Customer Data with Various Conditions and Performing Data Insert, Delete, and Update Operations

13. Introduction to Views and Creating Views

14. Basic SQL Server Security

- Creating users
- Configuring roles and authorizations
- Assigning permissions for data access

15. Workshop : Creating Users and Assigning Database Access Permissions

16. Future Applications

- Examples of using Excel or Power BI to connect to an RDBMS and generate summary reports, such as sales summaries from tables or views (Orders, Products, Customers)

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