



MICROSOFT TRAINING

Microsoft Sql Server 2019 Administration Course

Master SQL Server 2019 administration, from installation to high availability. Secure and optimize databases for peak performance.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

The Microsoft SQL Server 2019 Administration Course is an intensive, intermediate-level program designed to equip IT professionals and aspiring database administrators with the essential skills needed to manage and maintain SQL Server 2019 environments. This course delves into the core administrative tasks, emphasizing the practical application of SQL Server Management Studio (SSMS) and foundational Transact-SQL commands. Participants will gain critical knowledge in database installation, configuration, security, backup and recovery strategies, and basic performance monitoring. Given its concise 2-hour duration, it is structured to deliver high-impact, actionable insights into crucial administrative functions. This program is ideal for those looking to quickly establish or reinforce their understanding of SQL Server 2019 database administration. By focusing on hands-on techniques, it prepares learners to confidently tackle day-to-day operational challenges, ensuring data integrity, availability, and optimal performance within their organizations. Completing this course will empower you to manage database systems more effectively, contribute to robust data infrastructures, and position yourself for specialized roles within the expansive field of database management.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Getting Started with SQL Server 2019 Administration

- Understanding SQL Server Architecture and Components
- Installing SQL Server 2019 Developer Edition
- Introduction to SQL Server Management Studio (SSMS)
- Basic Server Configuration Options and Tools

02 Module 2: Database Management Fundamentals

- Creating and Managing Databases and Files
- Understanding Transaction Log Files and Filegroups
- Basic Database Properties and Settings
- Working with Tables, Views, and Indexes (Admin Perspective)

03 Module 3: Backup and Restore Strategies

- Understanding Different Backup Types (Full, Differential, Transaction Log)
- Performing Database Backups using SSMS and T-SQL
- Restoring Databases from Backups
- Developing a Basic Database Recovery Plan

04 Module 4: SQL Server Security Essentials

- Authentication Modes (Windows Authentication vs. SQL Server Authentication)
- Managing Server Logins and Database Users
- Understanding Database Roles and Permissions
- Implementing the Principle of Least Privilege

05 Module 5: Monitoring and Performance Basics

- Introduction to SQL Server Monitoring Tools (Activity Monitor)
- Identifying Common Performance Bottlenecks
- Basic Performance Tuning Techniques (Index Maintenance, Statistics Updates)

- Understanding SQL Server Error Logs and Event Viewer

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior SQL Server Database Administrator**
- > **Database Support Specialist**
- > **Data Operations Analyst**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge is recommended before enrolling in this 2-hour Microsoft SQL Server 2019 Administration course?

This course is designed for individuals with some prior exposure to relational databases and basic SQL querying. While not strictly mandatory, familiarity with fundamental database concepts, data types, and simple SELECT statements will allow you to grasp the administrative concepts more quickly and effectively and make the most of the intensive format.

Q: Given the intensive 2-hour format, which specific administrative tasks will I be proficient in immediately after completing this course?

Upon completion of this course, you will be able to confidently perform essential SQL Server 2019 administration tasks including installing a developer instance, creating and managing databases, executing full and differential backups, restoring databases, managing user logins and permissions, and utilizing basic monitoring tools like Activity Monitor to identify common performance issues.

Q: How does this intermediate-level course help in advancing my career towards a dedicated SQL Server database role?

This course provides a critical foundational understanding of SQL Server 2019 administration, making it an excellent stepping stone for roles such as Junior Database Administrator or Database Support Specialist. It equips you with practical, in-demand skills required for maintaining database health, security, and availability, which are highly valued in any data-driven organization. It serves as a strong basis for pursuing more advanced SQL Server certifications and roles.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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READY TO ENROL?

Take the next step in your technology career.

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