



MICROSOFT TRAINING

Administering Microsoft SQL Server 2022 Course Overview

Administer Microsoft SQL Server 2022 effectively. Gain skills to deploy, maintain, and secure databases, optimizing performance and reliability.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This "Administering Microsoft SQL Server 2022 Course Overview" provides a foundational yet comprehensive introduction to managing one of the world's most widely used relational database platforms. Designed for aspiring database administrators, IT professionals, and developers seeking to expand their operational knowledge, this course dives into the essential tasks required to install, configure, secure, and maintain a robust SQL Server 2022 environment. You'll gain practical, hands-on experience with the critical tools and features that underpin successful database operations. Beyond installation, the course covers crucial areas such as database creation and management, understanding transaction logs, implementing various backup and restore strategies, and fundamental aspects of SQL Server security. Participants will learn how to manage logins, users, and permissions, ensuring data integrity and access control within their database systems. The curriculum is structured to equip you with the practical skills needed to troubleshoot common issues and monitor database performance effectively. Upon completion, you will be well-prepared to contribute to the administration of SQL Server instances, enhancing data reliability and operational efficiency for any organization. This foundational understanding not only boosts your immediate employability in database management roles but also sets a solid groundwork for pursuing advanced SQL Server certifications and specializations.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to SQL Server 2022 Administration

- Understanding SQL Server Architecture and Components
- Planning for SQL Server Installation
- Installing SQL Server 2022 Editions and Instances
- Introduction to SQL Server Management Studio (SSMS)

02 Module 2: Managing Databases

- Creating and Configuring Databases
- Managing Database Files and Filegroups
- Understanding Transaction Logs and Recovery Models
- Performing Basic Database Maintenance Tasks

03 Module 3: SQL Server Security Fundamentals

- Authentication Modes (Windows vs. SQL Server Authentication)
- Managing Logins, Users, and Schemas
- Assigning Permissions and Roles
- Securing Data with Encryption Basics

04 Module 4: Backup and Restore Operations

- Understanding Backup Strategies and Types (Full, Differential, Log)
- Performing Database Backups
- Restoring Databases to a Point-in-Time
- Automating Backup Jobs with SQL Server Agent

05 Module 5: Monitoring and Troubleshooting Basics

- Monitoring SQL Server Activity with SSMS
- Introduction to Performance Monitoring Tools
- Basic Troubleshooting Common SQL Server Issues
- Utilizing SQL Server Agent for Automation and Job Scheduling

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Database Administrator (DBA)**
- > **Database Support Specialist**
- > **Data Operations Analyst**

FREQUENTLY ASKED QUESTIONS

Q: What foundational skills will I acquire from this "Administering Microsoft SQL Server 2022 Course Overview" that are crucial for an entry-level Database Administrator role?

This course provides essential hands-on experience in installing and configuring SQL Server 2022, managing databases, implementing fundamental security measures, performing critical backup and restore operations, and basic monitoring. These are core competencies for anyone aspiring to or starting as a Junior Database Administrator, enabling you to effectively maintain a healthy and secure SQL Server environment.

Q: Is this course suitable for IT professionals without prior database experience, or are there specific prerequisites for enrolling?

While no prior SQL Server experience is strictly required, participants should have a basic understanding of operating systems (like Windows Server), networking concepts, and general IT infrastructure. Familiarity with relational database concepts is beneficial but not mandatory, as the course will cover SQL Server fundamentals from the ground up.

Q: Beyond administration, will this course touch upon basic SQL query writing or database development aspects?

This "Administering Microsoft SQL Server 2022 Course Overview" is primarily focused on the operational and management aspects of SQL Server. While you will interact with the database using tools like SSMS, it does not extensively cover advanced SQL query writing, T-SQL programming, or database development. Its core objective is to equip you with the skills to maintain and secure a robust SQL Server instance.

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+

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Take the next step in your technology career.

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