

Certificate in Microsoft Server Database Administration

This course is instructor-led, and it provides participants with the knowledge and skills to maintain a Microsoft SQL Server 2012 database and below. It focuses on teaching participants how to use SQL Server 2012 product features and tools related to maintaining an enterprise database. The course also helps you to prepare for the Microsoft SQL Server Certification Exam 70-462.

The primary audience for this course is individuals who want to or who administer and maintain SQL Server databases. These individuals perform database administration and maintenance as their primary area of responsibility, or work in environments where databases play a key role in their primary job. The secondary audiences for this course are individuals who develop applications that deliver content from SQL Server databases.

The training includes face-to-face interactions; and hands-on laboratory sessions on real-world applications.

By the end of the course, participants should be able to:

- Plan and install SQL Server.
- Describes the system databases, the physical structure of databases and the most common configuration options related to them.
- Explain the concept of the transaction log and SQL Server recovery models and implement different backup strategies available with SQL Server.
- Create SQL Server Backups.
- Restore SQL Server databases.
- Use the import/export wizards and explain how they relate to SSIS.
- Work with SQL Server security models, logins and users.
- Work with fixed server roles, user-defined server roles, fixed database roles and user-defined database roles.
- Work with permissions and the assignment of permissions.
- Work with SQL Server Audit.
- Work with SQL Server Agent, jobs and job history.
- Implement SQL Server agent security, proxy accounts and credentials.
- Configure database mail, alerts and notifications.
- Create database maintenance plans.
- Work with SQL Profiler and SQL Trace stored procedures.
- Introduce DMVs and the configuration of data collection.
- Work with Central Management Servers and Multi-Server queries, Virtualization of SQL Server and Data-Tier Applications.
- Troubleshoot SQL Server databases.

Who should attend: Participants must have basic knowledge of:

- Relational databases.
- Microsoft Windows operating system and its core functionality.

Duration

- Day Session: 2 Weeks (10 days)
- Evening Session: 4 Weeks
- Weekend Session: 8 Saturdays