

MS 320 SQL Server 2008 Database Administration

Textbook Required: MCTS Self-Paced Training Kit (Exam 70-432) Microsoft SQL Server 2008-Implementation and Maintenance Training Kit by Mike Hotek – Microsoft Press

Course Description

This course provides students with the knowledge and skills required to install, configure, administer and troubleshoot Microsoft SQL Server 2008 database engine service. You will learn how to create and manage databases, database objects like tables, indexes, automated jobs, optimize for performance and what constitutes the implementation of a High Availability solution as it relates to databases.

The student will have hands-on training in creating databases, working with existing databases, performing backups and recovery.

At Course Completion:

At the end of the course, students will be able to:

- Plan and install SQL Server 2008 database engine and new instances
- Create and manage databases and their related components
- Use Transactional SQL (T-SQL) for Select, Insert, Delete and Updates of data
- Manage database files
- Select a logon security schema appropriate for their environment
- Backup databases as an automated process
- Restore databases
- Monitor activity with a SQL Server Database
- Transfer data to other databases as well as to Excel spreadsheets and files

Prerequisites

Before attending this class, the student must have

- Basic understanding of relational database concepts
- Familiarities with Windows XP
- Able to work in a DOS window environment at the command level
- Ability to work with a Windows based editor

Syllabus

Week	Topic
1	Introduction to Databases, DBMS and SQL Server
2	Installation and configuration of SQL Server 2008
3	Working with SQL Server tools Working with Sample SQL Server Databases
4	Maintaining SQL Server instances
5	Managing SQL Server Security
6	Maintaining a SQL Server Database
7	Performing Database Management Tasks
8	Monitoring and Troubleshooting SQL Server
9	Optimizing SQL Server Performance
10	Implementing High Availability