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System Administration for Microsoft SQL Server™ 7.0

Course Number: 832B

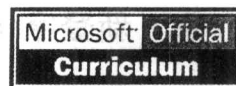


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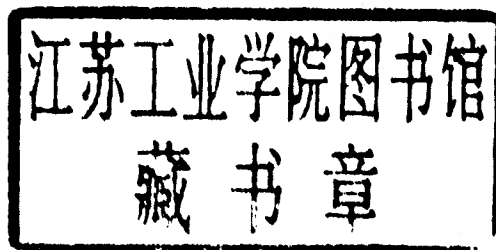
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System Administration for
Microsoft® SQL Server™ 7.0

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内 容 简 介

本书详细地介绍了 SQL Server 7.0 的配置和管理工作。其中,包括基本概念和术语、数据库安全的管理方法、数据库的日常维护、数据备份和恢复、数据转移操作、分布式数据管理及如何对数据库的性能进行监控和优化等内容。通过学习本书可以很好地掌握数据库管理员应该具备的基本知识。

本书适用于计划参加相关的微软认证考试的人员使用。

System Administration for Microsoft® SQL Server™ 7.0

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Course Preparation Checklist for Course Number: 832B

Dear Microsoft Certified Trainer,

This *Microsoft Trainer Kit* provides you with the resources to help you prepare to successfully deliver a Microsoft Official Curriculum course.

Action: To apply for certification to teach this course please complete and initial each step in this course preparation checklist and return the signed, completed checklist to Microsoft. See the MCT Guide for information on how to contact Microsoft in your region.

Preparation Guidelines

Microsoft recommends that you complete the following steps to prepare to successfully deliver a Microsoft Official Curriculum course. Please initial each step as you complete it, and then sign your name at the bottom of the document. Microsoft recommends that you allocate a minimum of eight hours of preparation for each day of course delivery. For example, allocate a minimum of 40 hours to prepare for a five-day course, in addition to the time spent attending the course as a student (optional).

Microsoft highly recommends that you attend the courses you are seeking certification to deliver. If you choose to attend a course, Microsoft recommends that the MCT delivering the course have at least 2 years experience delivering MOC and be either a MCSE or MCS D.

Course Preparation Checklist

Please initial each step:

- _____ Read the Trainer Delivery Guide for the course.
- _____ Read the Instructor Notes that precede each module. The Instructor Notes contain preparation suggestions for the respective module.
- _____ Read any recommended documents. Practice using the Microsoft product(s) and tools.*
- _____ Practice presenting each module and demonstration.
- _____ Practice setting up the classroom by following the instructions in the Classroom Setup Guide.
- _____ View the trainer video.
- _____ Practice each lab. Anticipate the questions that students may have.*
- _____ Identify the key points for each topic, demonstration, and lab.*
- _____ Identify how each demonstration and lab supports the module topics and reinforces the module objectives.*
- _____ Identify examples, analogies, demonstrations, and additional delivery tips that will help to clarify module topics.
- _____ Identify the information that students need to successfully complete each lab.*
- _____ Note any problems that you may encounter during a demonstration or lab and determine a course of action for how you will resolve them in the classroom.*
- _____ Identify additional preparation that is required to ensure the success of each demonstration and lab.
- _____ Identify ways to improve a demonstration or lab to provide a more meaningful learning experience for your specific audience.
- _____ Review the MCT web site (<http://partnering.microsoft.com/mct/>) for updated information.

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About This Course

Course Overview

Description

This course provides students with the knowledge and skills that are required to install, configure, administer, and troubleshoot the Microsoft® SQL Server™ version 7.0 client/server database management system. Course 832B is a major revision of Course 867, *System Administration for Microsoft SQL Server 6.5*. The course content has been revised to reflect significant changes in the product and to be more task-oriented.

Audience

This course is designed for the system administrator whose job it is to install, configure, and support SQL Server in an enterprise network, including such tasks as managing storage; setting up user accounts; assigning permissions; transferring data into and out of SQL Server databases; and diagnosing system problems.

Prerequisites

To complete this course successfully, you must have the following background:

- Course 922, *Supporting Microsoft Windows NT 4.0 Core Technologies*, or equivalent knowledge. Equivalent knowledge includes the ability to:
 - Share and access network resources.
 - Configure Microsoft Windows NT® disk mirroring and striping with parity.
 - Describe the difference between a domain and a workgroup (this is important in order to understand how security is administered).
 - Change network and international settings (default language and default date) with the Control Panel.
 - View and interpret data from the Windows NT application log.
 - View and interpret data from Windows NT Performance Monitor.
 - Use the User Manager for Domains to set up Windows NT user accounts.
 - Edit the registry.

- An understanding of basic relational database concepts, including:
 - Logical and physical database design.
 - Data integrity.
 - Relationships between tables and columns (primary and foreign keys, one-to-one, one-to-many, many-to-many).
 - How data is stored in tables (rows and columns).
- Knowledge of basic Transact-SQL syntax (SELECT, UPDATE, and INSERT statements).
- Familiarity with the role of the database administrator.

Objectives

At the end of this course, the student will be able to:

- Describe SQL Server architecture.
- Plan for SQL Server installation.
- Install SQL Server.
- Configure SQL Server.
- Manage files and databases.
- Choose a login security method and configure login security.
- Plan and implement database permissions.
- Back up databases.
- Restore databases.
- Import, export and transform data into databases.
- Monitor and maintain SQL Server performance.
- Automate administrative tasks by using SQL Server Agent.
- Replicate data from one SQL Server to another.