
Administering a Microsoft SQL Server 2000 Database

Varighet: 5 Days Kurskode: M2072

Beskrivelse:

This 5-day instructor led, hands-on course provides students with the knowledge and skills required to install, configure, administer, and troubleshoot the client-server database management system of Microsoft SQL Server 2000

Målgruppe:

This course is intended for system administrators who wish to learn the skills necessary to install and maintain Microsoft SQL 2000

Agenda:

- Describe SQL Server architecture
 - Plan for a SQL Server installation, and then install an instance of SQL Server
 - Manage files and databases, including determining resource requirements
 - Choose a login security method, configure login security, plan and implement database permissions, and describe how to help protect SQL Server in an enterprise network
 - Perform and automate administrative tasks and create custom administrative tools
 - Back up databases and implement a backup strategy
 - Restore databases
 - Monitor and optimize SQL Server performance
 - Transfer and migrate data into databases
 - Maintain the high availability of SQL Server
 - Describe how to replicate data from one SQL Server to another
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Forkunnskaper:

Delegates are required to meet the following prerequisites:

- M2151, Microsoft Windows 2000 Network and Operating System Essentials or equivalent knowledge
- M2152, Implementing Microsoft Windows 2000 Professional and Server or equivalent knowledge
- An understanding of basic relational database concepts
- M2071, Querying Microsoft SQL Server 2000 Familiarity with the role of the database administrator

Test og sertifisering:

Recommended as preparation for exam(s):

- 70-228, System Administration for Microsoft SQL Server 2000
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Påfølgende kurs:

The following courses are recommended for further study:

- M2073, Programming a Microsoft SQL Server 2000 Database
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Innhold:

SQL Server Overview

- What Is SQL Server
- SQL Server Integration
- SQL Server Databases
- SQL Server Security
- Working with SQL Server

Planning to Install SQL Server

- Hardware Installation Considerations
- SQL Server 2000 Editions
- Software Installation Considerations
- Methods of Installing SQL Server
- Verifying the Installation
- Configuring SQL Server Enterprise Manager
- Troubleshooting

Managing Database Files

- Introduction to Data Structures
- Creating Databases
- Managing Databases
- Placing Database Files and Logs
- Optimizing the Database Using Hardware-based RAID
- Optimizing the Database Using Filegroups
- Optimizing the Database Using Filegroups with Hardware-based RAID
- Capacity PlanningPerformance Considerations

Managing Security

- Implementing an Authentication Mode
- Assigning Logins to Users and Roles
- Assigning Permissions to Users and Roles
- Managing Security Within SQL Server
- Managing Application Security
- Managing SQL Server Security in the Enterprise

Performing Administrative Tasks

- Configuration TasksRoutine SQL Server Administrative TasksAutomating Routine Maintenance TasksCreating AlertsTroubleshooting SQL Server AutomationAutomating Multiserver Jobs

Backing Up Databases

- Preventing Data Loss
- Setting and Changing a Database Recovery Model
- SQL Server Backup
- When to Back Up Databases
- Performing Backups
- Types of Backup Methods
- Planning a Backup Strategy
- Performance Considerations

Restoring Databases

- SQL Server Recovery Process
- Preparing to Restore a Database
- Restoring Backups
- Restoring Databases from Different Backup Types
- Restoring Damaged System Databases

Monitoring SQL Server for Performance

- Why to Monitor SQL Server
- Performance Monitoring and Tuning
- Tools for Monitoring SQL Server
- Common Monitoring and Tuning Tasks

Transferring Data

- Introduction to Transferring Data
- Tools for Importing and Exporting Data in SQL Server
- Introduction to DTS
- Transforming Data with DTS

Maintaining High Availability

- Introduction to Availability
- Increasing Availability Using Failover Clustering
- Standby Servers and Log Shipping

Introducing Replication

- Introduction to Distributed Data
- Introduction to SQL Server Replication
- SQL Server Replication Agents
- SQL Server Replication Types
- Physical Replication Models

Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss22 95 66 00

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