
MCITP: Database Administrator, SQL Server 2008 Boot Camp

Varighed: 5 Days Kursus Kode: GK6228

Beskrivelse:

This Boot Camp provides qualified IT professionals the opportunity to obtain the Microsoft Certified Technology Specialist (MCTS): SQL Server 2008, Implementation and Maintenance certification and the Microsoft Certified IT Professional (MCITP): Database Administrator 2008 certification.

In this intensive test-preparation program where the goal is certification, you will practice sample questions and take simulated exams using Transcender, the industry-leading test-preparation product. This Boot Camp includes all the exams needed for certification, along with one free retake voucher for each exam if needed. A fast-paced, rapid review session prior to each exam covers key material, providing comprehensive exam preparation.

Målgruppe:

Professional database administrators who optimize and maintain database solutions, typically in an enterprise or a medium-sized organization.

Agenda:

- Key topics and concepts covered on the MCITP exams
 - Structure of the MCITP exams and the most effective test-taking strategies
 - Use Transcender test-preparation software to reinforce learning objectives, validate current knowledge, and review the most comprehensive and realistic exam questions
 - Pinpoint your weak areas and strengthen them to ensure success on the MCITP exams
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Forudsætninger:

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Test og certificering

This course is part of the following programs or tracks:

MCITP: Database Administrator 2008

MCTS: SQL Server 2008, Implementation and Maintenance

New certification candidates will take two exams:

- Exam 70-432: TS: Microsoft SQL Server 2008, Implementation and Maintenance

- Exam 70-450: PRO: Designing, Optimizing, and Maintaining a Database

Administrative Solution using Microsoft SQL Server 2008

Indhold:

Exam 70-432: TS: Microsoft SQL Server 2008, Implementation and Maintenance

1. Installing and Configuring SQL Server 2008

- Install SQL Server 2008 and related services
- Configure SQL Server instances
- Configure SQL Server services
- Configure additional SQL Server components
- Implement database mail
- Configure full-text indexing

2. Maintaining SQL Server Instances

- Manage SQL Server Agent jobs
- Manage SQL Server Agent alerts
- Manage SQL Server Agent operators
- Implement the declarative management framework (DMF)
- Back up a SQL Server environment

3. Managing SQL Server Security

- Manage logins and server roles
- Manage users and database roles
- Manage SQL Server instance permissions
- Manage database permissions
- Manage schema permissions and object permissions
- Audit SQL Server instances
- Manage transparent data encryption
- Configure surface area

4. Maintaining a SQL Server Database

- Back up databases
- Restore databases
- Manage and configure databases
- Manage database snapshots
- Maintain database integrity
- Maintain a database by using maintenance plans

5. Performing Data Management Tasks

- Import and export data
- Manage data partitions
- Implement data compression
- Maintain indexes
- Manage collations

6. Monitoring and Troubleshooting SQL Server

- Identify SQL Server service problems
- Identify concurrency problems
- Identify SQL Agent job execution problems
- Locate error information

7. Optimizing SQL Server Performance

- Implement Resource Governor
- Use the Database Engine Tuning Advisor
- Collect trace data by using SQL Server Profiler
- Collect performance data by using Dynamic Management Views (DMVs)

3. Designing a Database Solution for High Availability

- Design a failover clustering solution
- Design database mirroring
- Design a high-availability solution that is based on replication
- Design a high-availability solution that is based on log shipping
- Select high-availability technologies based on business requirements

4. Designing a Backup and Recovery Solution

- Design a backup strategy
- Design a recovery strategy
- Design a recovery test plan

5. Designing a Monitoring Strategy

- Design a monitoring solution at the operating-system level
- Design a monitoring solution at the instance level
- Design a solution to monitor performance and concurrency

6. Designing a Strategy to Maintain and Manage Databases

- Design a maintenance strategy for database servers
- Design a solution to govern resources
- Design policies by using Policy-Based Management
- Design a data compression strategy
- Design a management automation strategy

7. Designing a Strategy for Data Distribution

- Administer SQL Server Integration Services (SSIS) packages
- Design a strategy to use linked servers
- Design a replication strategy for data distribution

Exam 70-453: Upgrade: Transition Your MCITP SQL Server 2005 DBA to MCITP SQL Server 2008

1. Installing and Configuring SQL Server 2008

- Install SQL Server 2008 and related services
- Configure SQL Server instances
- Configure SQL Server services

2. Maintaining SQL Server Instances

- Manage SQL Server Agent jobs
- Implement the declarative management framework (DMF)
- Backup a SQL Server environment

6. Monitoring and Troubleshooting SQL Server

- Identify SQL Server service problems
- Identify concurrency problems

7. Optimizing SQL Server Performance

- Collect trace data by using SQL Server Profiler
- Collect performance data by using Dynamic Management Views (DMVs)
- Use Performance Studio

8. Implementing High Availability

- Implement database mirroring
- Implement a SQL Server clustered instance

9. Designing a SQL Server Instance and a Database Solution

- Design for CPU, memory, and storage capacity requirements
- Design physical database and object placement

10. Designing a Database Server Security Solution

- Design database, schema, and object security parameters
- Design a security policy and audit plan

11. Designing a Database Solution for High Availability

- Select high-availability technologies based on business requirements
- Design a failover clustering solution
- Design database mirroring

12. Designing a Backup and Recovery Solution

- Design a backup strategy
- Design a recovery strategy
- Design a recovery test plan

13. Designing a Monitoring Strategy

- Design a monitoring solution at the instance level
- Design a solution to monitor performance and concurrency

14. Designing a Strategy to Maintain and Manage Databases

- Design a maintenance strategy for database servers
- Design a management automation strategy

15. Designing a Strategy for Data Distribution

- Collect performance data by using System Monitor
- Use Performance Studio

8. Implementing High Availability

- Implement database mirroring
- Implement a SQL Server clustered instance
- Implement log shipping
- Implement replication

Exam 70-450: PRO: Designing, Optimizing, and Maintaining a Database Administrative Solution using Microsoft SQL Server

2008

1. Designing a SQL Server Instance and a Database Solution

- Design for CPU, memory, and storage capacity requirements
- Design SQL Server instances
- Design physical database and object placement
- Design a migration, consolidation, and upgrade strategy

2. Designing a Database Server Security Solution

- Design instance authentication
- Design instance-level security configurations
- Design database, schema, and object security parameters
- Design a security policy and an audit plan
- Design an encryption strategy

3. Managing SQL Server Security

- Manage users and database roles
- Manage SQL Server instance permissions
- Manage schema permissions and object permissions
- Audit SQL Server instances

4. Maintaining a SQL Server Database

- Back up databases
- Restore databases
- Manage and configure databases

5. Performing Data Management Tasks

- Manage data partitions
- Maintain indexes

- Administer SQL Server Integration Services (SSIS) packages
- Design a replication strategy for data distribution

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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