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MCTS

Exam 70-431

致胜
经典

Microsoft®

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实现和维护

Implementation and Maintenance

Self-Paced

By Solid Quality Learning

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(Exam 70-431):
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Introduction

This training kit is designed for information technology (IT) professionals who plan to take Microsoft Certified Technical Specialist (MCTS) exam 70-431, as well as for IT professionals who need to know how to implement and maintain Microsoft SQL Server 2005 databases. We assume that before you begin using this kit you have a working knowledge of Microsoft Windows, network technologies, relational databases and their design, Transact-SQL, and the SQL Server 2005 client tools.

By using this training kit, you'll learn how to

- Install and configure SQL Server 2005.
- Create and implement database objects.
- Implement high availability and disaster recovery.
- Maintain databases.
- Support data consumers.
- Monitor and troubleshoot SQL Server performance.

Hardware Requirements

We recommend that you use a computer that is not your primary workstation to do the practice exercises in this book because you will make changes to the operating system and application configuration. The following hardware is required to complete the practice exercises:

- Personal computer with a 600 MHz Pentium III-compatible or faster processor; 1 GHz or faster processor recommended
- 512 MB of RAM or more; 1GB or more recommended
- 8 GB of available hard disk space

NOTE Four volumes necessary for some practice exercises

To complete some of the practice exercises in this book, you will need four volumes on your computer. We recommend that you make the C volume the largest, and then use volume sizes of 650 MB for the D, E, and F volumes.

- DVD-ROM drive
- Super VGA (1,024 x 768) or higher resolution video adapter and monitor
- Keyboard and Microsoft mouse, or compatible pointing device

Software Requirements

The following software is required to complete the practice exercises:

- One of the following operating systems:
 - ❑ Microsoft Windows 2000 Server with Service Pack (SP) 4 or later
 - ❑ Windows 2000 Professional with SP 4 or later
 - ❑ Windows XP with SP 2 or later
 - ❑ Windows Server 2003 Standard Edition, Enterprise Edition, or Datacenter Edition with SP 1 or later
 - ❑ Microsoft Windows Small Business Server 2003 with SP 1 or later
 - ❑ Microsoft Windows Server 2003 Standard x64 Edition, Enterprise x64 Edition, or Datacenter x64 Edition with SP 1 or later
 - ❑ Windows XP Professional x64 Edition or later running in Windows on Windows
- SQL Server 2005 (A 180-day evaluation edition of Microsoft SQL Server 2005 Enterprise Edition is included on DVD with this book)

CAUTION Networked computers

If your computer is part of a larger network, verify with your network administrator that the SQL Server instances installed will not interfere with network operations. All instances configured for exercises within this book should be set to allow local connections only to ensure that they will not interact with other resources on your network.

- Microsoft Internet Explorer 6.0 SP 1 or later

Using the CD and DVD

A companion CD and an evaluation software DVD are included with this training kit. The companion CD contains the following:

- **Practice tests** You can reinforce your understanding of how to implement and maintain SQL Server 2005 databases by using electronic practice tests you customize to meet your needs from the pool of Lesson Review questions in this book. Or you can practice for the 70-431 certification exam by using tests created from a pool of 295 realistic exam questions, which give you many different practice exams to ensure that you're prepared.
- **Practice files** The practice exercises in Chapter 8, "Managing XML Data," are code-intensive. Code for this chapter is included on the companion CD so that you don't have to type it all yourself. Files for you to practice importing in Chapter 10, "Using Flat Files," are also included.
- **An eBook** An electronic version (eBook) of this book is included for times when you don't want to carry the printed book with you. The eBook is in Portable Document Format (PDF), and you can view it by using Adobe Acrobat or Adobe Reader.

The evaluation software DVD contains a 180-day evaluation edition of SQL Server 2005 Enterprise Edition, in case you want to use it with this book.

How to Install the Practice Tests

To install the practice test software from the companion CD to your hard disk, do the following:

1. Insert the companion CD into your CD drive and accept the license agreement. A CD menu appears.

NOTE If the CD menu doesn't appear

If the CD menu or the license agreement doesn't appear, AutoRun might be disabled on your computer. Refer to the Readme.txt file on the CD-ROM for alternate installation instructions.

2. Click the Practice Tests item and follow the instructions on the screen.

How to Use the Practice Tests

To start the practice test software, follow these steps:

1. Click Start/All Programs/Microsoft Press Training Kit Exam Prep. A window appears that shows all the Microsoft Press training kit exam prep suites installed on your computer.
2. Double-click the lesson review or practice test you want to use.

NOTE Lesson reviews vs. practice tests

Select the (70-431) Microsoft SQL Server 2005—Implementation and Maintenance *lesson review* to use the questions from the “Lesson Review” sections of this book. Select the (70-431) Microsoft SQL Server 2005—Implementation and Maintenance *practice test* to use a pool of 295 questions similar to those in the 70-431 certification exam.

Lesson Review Options

When you start a lesson review, the Custom Mode dialog box appears so that you can configure your test. You can click OK to accept the defaults or you can customize the number of questions you want, how the practice test software works, which exam objectives you want the questions to relate to, and whether you want your lesson review to be timed. If you’re retaking a test, you can select whether you want to see all the questions again or only those questions you missed or didn’t answer.

After you click OK, your lesson review starts.

- To take the test, answer the questions and use the Next, Previous, and Go To buttons to move from question to question.
- After you answer an individual question, if you want to see which answers are correct—along with an explanation of each correct answer—click Explanation.
- If you’d rather wait until the end of the test to see how you did, answer all the questions and then click Score Test. You’ll see a summary of the exam objectives you chose and the percentage of questions you got right overall and per objective. You can print a copy of your test, review your answers, or retake the test.

Practice Test Options

When you start a practice test, you choose whether to take the test in Certification Mode, Study Mode, or Custom Mode:

- **Certification Mode** Closely resembles the experience of taking a certification exam. The test has a set number of questions, it's timed, and you can't pause and restart the timer.
- **Study Mode** Creates an untimed test in which you can review the correct answers and the explanations after you answer each question.
- **Custom Mode** Gives you full control over the test options so that you can customize them as you like.

In all modes, the user interface when you're taking the test is the basically the same, but different options enabled or disabled depending on the mode. The main options are discussed in the previous section, "Lesson Review Options."

When you review your answer to an individual practice test question, a "References" section is provided that lists where in the training kit you can find the information that relates to that question and provides links to other sources of information. After you click Test Results to score your entire practice test, you can click the Learning Plan tab to see a list of references for every objective.

How to Uninstall the Practice Tests

To uninstall the practice test software for a training kit, use the Add Or Remove Programs option in Windows Control Panel.

Microsoft Certified Professional Program

The Microsoft certifications provide the best method to prove your command of current Microsoft products and technologies. The exams and corresponding certifications are developed to validate your mastery of critical competencies as you design and develop, or implement and support, solutions with Microsoft products and technologies. Computer professionals who become Microsoft-certified are recognized as experts and are sought after industry-wide. Certification brings a variety of benefits to the individual and to employers and organizations.

MORE INFO All the Microsoft certifications

For a full list of Microsoft certifications, go to www.microsoft.com/learning/mcp/default.asp.

Technical Support

Every effort has been made to ensure the accuracy of this book and the contents of the companion CD. If you have comments, questions, or ideas regarding this book or the companion CD, please send them to Microsoft Press by using either of the following methods:

E-mail: tkinput@microsoft.com

Postal Mail:

Microsoft Press

Attn: *MCTS Self-Paced Training Kit (Exam 70-431): Microsoft SQL Server 2005—Implementation and Maintenance* Editor

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For additional support information regarding this book and the CD-ROM (including answers to commonly asked questions about installation and use), visit the Microsoft Press Technical Support website at www.microsoft.com/learning/support/books/. To connect directly to the Microsoft Knowledge Base and enter a query, visit <http://support.microsoft.com/search/>. For support information regarding Microsoft software, please connect to <http://support.microsoft.com>.

Evaluation Edition Software Support

The 180-day evaluation edition provided with this training kit is not the full retail product and is provided only for the purposes of training and evaluation. Microsoft and Microsoft Technical Support do not support this evaluation edition.

Information about any issues relating to the use of this evaluation edition with this training kit is posted to the Support section of the Microsoft Press Web site (www.microsoft.com/learning/support/books/). For information about ordering the full version of any Microsoft software, please call Microsoft Sales at (800) 426-9400 or visit www.microsoft.com.

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