

MCSE 微软官方模拟试题影印丛书

Microsoft® Press

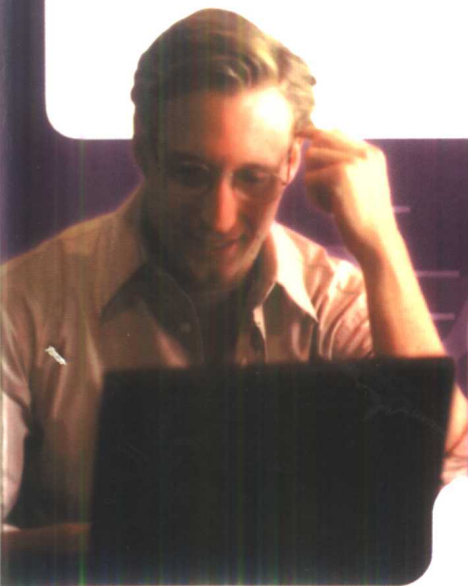
MCSE Readiness Review

**Exam
70-216**

Microsoft®
Windows 2000

网络基础结构管理模拟试题

**Microsoft Windows 2000
Network Infrastructure**



- ▶ 随书 CD 赠送交互式官方模拟试题，让您实际测试自己的技能和水平，从而大大增加您通过 MCSE 认证考试的机会

[美] Dave Perkovich 著

北京大学出版社

<http://cbs.pku.edu.cn>

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内 容 简 介

《MCSE 微软官方模拟试题影印丛书》是微软指定 MCSE 教材的配套书,是 MCP 认证考试的复习备考丛书。本书详尽地解析了 MCP 考试所要求掌握的重要问题,是您复习备考的好助手。所附光盘包含独家模拟试题、词汇表及相关的考试信息,直接指向真实的 MCP 考试目标。盘中还设置了自动记分项,随时向您反馈测试结果。

本书帮您评估您对 MCP 70-216 考试(Implementing and Administering a Microsoft Windows 2000 Network Infrastructure)的准备情况,对您巩固复习会大有助益,同时还会使您更明了哪些部分需要进一步学习。通过对本书和配套光盘的学习和演练,将大大增加您通过 MCSE 认证考试的机会。

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责任著作者: [美] Dave Perkovich 著

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电 话: 出版部 62752015 发行部 62754140 62765127 编辑室 62765126

电子信箱: zpup@pup.pku.edu.cn

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前言

MCSE（微软认证系统工程师）考试在 IT 界已经尽人皆知，其目的在于考查应试者对微软产品和技术的掌握程度。获得 MCSE 认证，意味着在计算机某些领域已经成为专家，从而拥有了通向高薪和高级职位的通行证。微软赋予 MCSE 认证的权威性，使其成为人人追逐的目标。

尽管许多 MCSE 考生已经对系统知识有了很深的了解，实践经验也很丰富，但面对考试时却往往显得无所适从，考试结果很不理想。因此，考生不仅要掌握系统知识，还必须进行必要的考前训练，以对考试内容、考试时间、考试形式等有一个全面的把握，掌握考试技巧，从而在考试中做到游刃有余，这 and 任何考试是一样的。我们推出这套《MCSE 微软官方模拟试题影印丛书》的目的，就是帮助考生省时、高效地准备 MCSE 考试，以达到事半功倍的效果。

本丛书由微软专家开发，直接针对 MCSE 考试目标，每门考试对应一本书，涵盖了考试所要求的一切内容。与普通书籍不同的是，本丛书的每本书都以“目标”代替我们所熟知的“章”、“节”，使考生对真实考试的考点一目了然，从而有针对性地进行复习。每一个“目标”由“考点概述”、“模拟试题”和“模拟试题答案”组成。所有的模拟试题都是以单选或多选题形式出现，与真实考试完全一致，同时书中对所有选项（包括正确的与错误的）都加以详细解释。

同时，每本书附赠一张光盘，内含一套全真模拟试题，其中包括 50 道单选或多选题、时间提示项、自动记分项等，考生可以反复测试以掌握考试技巧。自动记分项将随时反馈测试结果，以便于考生全面了解知识掌握状况。光盘中还附有术语表、考试信息、以及与更多试题的链接，考生可以根据自身情况选择使用。

通过对本丛书及配套光盘的学习和演练，考生将会明确以下四个关键问题：

1. MCP 考试试题是什么样的？
2. 在哪个课题或技术领域占优势或处于劣势？
3. 应该重点学习哪一部分？
4. 为实际的考试作好准备了吗？

我们有理由相信，本套《MCSE 微软官方模拟试题影印丛书》将会指导考生顺利通过 MCSE 认证考试。

出版者

Welcome to Implementing and Administering a Microsoft Windows 2000 Network Infrastructure

Welcome to *MCSE Readiness Review—Exam 70-216: Implementing and Administering a Microsoft Windows 2000 Network Infrastructure*. The Readiness Review series gives you a focused, timesaving way to identify the information you need to know to pass the Microsoft Certified Professional (MCP) exams. The series combines a realistic electronic assessment with a review book to help you become familiar with the types of questions that you will encounter on the MCP exam. By reviewing the objectives and sample questions, you can focus on the specific skills you need to improve before taking the exam.

This book helps you evaluate your readiness for the MCP Exam 70-216: Implementing and Administering a Microsoft Windows 2000 Network Infrastructure. When you pass this exam, you earn core credit toward the Microsoft Certified Systems Engineer (MCSE) certification and elective credit toward the Microsoft Certified Database Administrator (MCDBA) certification. In addition, when you pass this exam you achieve MCP status.

Note You can find a complete list of MCP exams and their related objectives on the Microsoft Certified Professional Web site at <http://www.microsoft.com/mcp>.

The Readiness Review series lets you identify any areas in which you might need additional training. To help you get the training you need to pass the certification exams, Microsoft Press publishes a complete line of self-paced training kits and other study materials. For comprehensive information about the topics covered in the Implementing and Administering a Microsoft Windows 2000 Network Infrastructure exam, see the corresponding training kit—*Microsoft Windows 2000 Network Infrastructure Administration*.

Before You Begin

This MCSE Readiness Review consists of two main parts: the Readiness Review electronic assessment program on the accompanying compact disc and this Readiness Review book.

The Readiness Review Components

The electronic assessment is a practice certification test that helps you evaluate your skills. It provides instant scoring feedback so that you can determine areas in which additional study might be helpful before you take the certification exam. Although your score on the electronic assessment does not necessarily indicate what your score will be on the certification exam, it does give you the opportunity to answer questions that are similar to those on the actual certification exam.

The Readiness Review book is organized by the exam's objectives. Each chapter of the book pertains to one of the eight primary groups of objectives on the actual exam, called the *Objective Domains*. Each Objective Domain lists the tested skills you need to master to answer the exam questions. Because the certification exams focus on real-world skills, the Tested Skills and Suggested Practices lists provide practices that emphasize the practical application of the exam objectives. Each Objective Domain also provides suggestions for further reading or additional resources to help you understand the objectives and increase your ability to perform the task or skills specified by the objectives.

Within each Objective Domain, you will find the related objectives that are covered on the exam. Each objective includes:

- **Key terms** you must know to understand the objective. Knowing these terms can help you answer the objective's questions correctly.
- Several sample exam questions with the correct answers. The answers are accompanied by explanations of each correct and incorrect answer. (These questions match the questions on the electronic assessment.)

Use the electronic assessment to determine the exam objectives that you need to study, and then use the Readiness Review book to learn more about those particular objectives and discover additional study materials to supplement your knowledge. You can also use the Readiness Review book to research the answers to specific sample test questions. Keep in mind that to pass the exam, you should understand not only the answer to the question, but also the concepts on which the correct answer is based.

MCP Exam Prerequisites

No exams or classes are required before you take the Implementing and Administering a Microsoft Windows 2000 Network Infrastructure exam. However, in addition to the skills tested by the exam, you should have a working knowledge of the operation and support of hardware and software in stand-alone computers as detailed next.

- Knowledge of the fundamentals of current networking technology is required.
- Knowledge and experience administrating Microsoft Windows NT 4 networks is recommended.
- Successful completion of the *MCSE Training Kit: Microsoft Windows 2000 Network Infrastructure Administration* is recommended.

Note After you have used the Readiness Review and determined that you are ready for the exam, use the Get More MCP Information link provided in the home page of the electronic assessment tool for information on scheduling for the exam. You can schedule exams up to six weeks in advance, or as late as one working day before the exam date.

Know the Products

Microsoft's certification program relies on exams that measure your ability to perform a specific job function or set of tasks. Microsoft develops the exams by analyzing the tasks performed by people who are currently working in the field. Therefore, the specific knowledge, skills, and abilities relating to the job are reflected in the certification exam.

Because the certification exams are based on real-world tasks, you need to gain hands-on experience with the applicable technology to master the exam. In a sense, you might consider hands-on experience in an organizational environment to be a prerequisite for passing an MCP exam. Many of the questions relate directly to Microsoft products or technology, so use opportunities at your organization or home to practice using the relevant tools.

Using the MCSE Readiness Review

Although you can use the Readiness Review in a number of ways, you might start your studies by taking the electronic assessment as a pretest. After completing the exam, review your results for each Objective Domain and focus your studies first on the Objective Domains for which you received the lowest scores. The electronic assessment allows you to print your results, and a printed report of how you fared can be useful when reviewing the exam material in this book.

After you have taken the Readiness Review electronic assessment, use the Readiness Review book to learn more about the Objective Domains that you find difficult and to find listings of appropriate study materials that might supplement your knowledge. By reviewing why the answers are correct or incorrect, you can determine whether you need to study the objective topics more.

You can also use the Readiness Review book to focus on the exact objectives that you need to master. Each objective in the book contains several questions that help you determine whether you understand the information related to that particular skill. The book is also designed for you to answer each question before turning the page to review the correct answer.

The best method to prepare for the MCP exam is to use the Readiness Review book in conjunction with the electronic assessment and other study material. Study and practice combined with substantial real-world experience is the best preparation for the MCP exam.

Understanding the Readiness Review Conventions

Before you start using the Readiness Review, it is important that you understand the terms and conventions used in the electronic assessment and book.

Question Numbering System

The Readiness Review electronic assessment and book contain reference numbers for each question. Understanding the numbering format will help you use the Readiness Review more effectively. When Microsoft creates the exams, the questions are grouped by job skills called Objectives. These Objectives are then organized by sections known as Objective Domains. Each question can be identified by the Objective Domain and the Objective it covers. The question numbers follow this format:

Test Number.Objective Domain.Objective.Question Number

For example, question number 70-216.02.01.003 means this is question three (003) for the first Objective (01) in the second Objective Domain (02) of the Implementing and Administering a Microsoft Windows 2000 Network Infrastructure exam (70-216). Refer to the “Exam Objectives Summary” section later in this introduction to locate the numbers associated with particular objectives. Each question is numbered based on its presentation in the printed book. You can use this numbering system to reference questions on the electronic assessment or in the Readiness Review book. Even though the questions in the book are organized by objective, questions in the electronic assessment and actual certification exam are presented in random order.

Notational Conventions

- Characters or commands that you type appear in **bold lowercase** type.
- Variable information and URLs are *italicized*. Italic is also used to identify new terms and book titles.
- Acronyms, Filenames, and Utilities appear in **FULL CAPITALS**.

Notes

Notes appear throughout the book.

- Notes marked *Caution* contain information you will want to know before continuing with the book's material.
- Notes marked *Note* contain supplemental information.
- Notes marked *Tip* contain helpful process hints.

Using the Readiness Review Electronic Assessment

The Readiness Review electronic assessment simulates the actual MCP exam. Each iteration of the electronic assessment consists of 50 questions covering all the objectives for the Implementing and Administering a Microsoft Windows 2000 Network Infrastructure exam. (MCP exams generally consist of approximately 50 questions.) Just like a real certification exam, you see questions from the objectives in random order during the practice test. Similar to the certification exam, the electronic assessment allows you to mark questions and review them after you finish the test.

To increase its value as a study aid, you can take the electronic assessment multiple times. Each time you are presented with a different set of questions in a revised order; however, some questions might be repeated.

If you have used one of the certification exam preparation tests available from Microsoft, the Readiness Review electronic assessment should look familiar. The difference is that the electronic assessment provides you with the opportunity to learn as you take the exam.

Installing and Running the Electronic Assessment Software

Before you begin using the electronic assessment, you must install the software. You need a computer with the following minimum configuration:

- Multimedia PC with a 75MHz Pentium or higher processor
- Microsoft Internet Explorer 5.01 or later

If you do not have Internet Explorer 5.01, you can download it for free from <http://www.microsoft.com/ie>.

- 16 MB RAM for Microsoft Windows 95 or Microsoft Windows 98, or
- 32 MB RAM for Microsoft Windows NT, or
- 64 MB RAM for Windows 2000
- 17 MB of available hard disk space
- A double-speed CD-ROM drive or better
- Super VGA display with at least 256 colors

► **To install the electronic assessment**

1. Insert the Readiness Review compact disc into your CD-ROM drive.

An autorun program will initiate and a dialog box will appear indicating that you will install the MCSE Readiness Review Setup program. If the autorun program does not launch on your system, select Run from the Start menu and type **d:\setup.exe** (where *d* is the name of your CD-ROM drive).

2. Click Next.

The License Agreement dialog box appears.

3. To continue with the installation of the electronic assessment engine, you must accept the License Agreement by clicking Yes.
4. The Choose Destination Location dialog box appears showing a default installation directory. Either accept the default or change the installation directory if needed. Click Next to copy the files to your hard drive.
5. A Question dialog box appears asking whether you would like Setup to create a desktop shortcut for this program. If you click Yes, an icon will be placed on your desktop.

6. The Setup Complete dialog box appears. Select whether you want to view the Readme.txt file after closing the Setup program, and then click Finish.

The electronic assessment software is completely installed. If you chose to view the Readme.txt file, it will launch in a new window. For optimal viewing, enable word wrap.

► **To start the electronic assessment**

1. From the Start menu, point to Programs, point to MCSE Readiness Review, and then click MCSE RR Exam 70-216.

The electronic assessment program starts.

2. Click Start Test.

Information about the electronic assessment program appears.

3. Click OK.

Note The electronic assessment programs are designed to run independently of other Readiness Review electronic assessment programs and will not run simultaneously.

Taking the Electronic Assessment

The Readiness Review electronic assessment consists of 50 multiple-choice questions and as in the certification exam, you can skip questions or mark them for later review. Each exam question contains a question number that you can use to refer to the Readiness Review book.

Before you end the electronic assessment, answer all the questions. When the exam is graded, unanswered questions are counted as incorrect and will lower your score. Similarly, on the actual certification exam, complete all questions or they will be counted as incorrect. No trick questions appear on the exam. The correct answer will always be in the list of choices. Some questions might have more than one correct answer, and this will be indicated in the question. A good strategy is to eliminate the most obvious incorrect answers first to make it easier for you to select the correct answer.

You have 75 minutes to complete the electronic assessment. During the exam you will see a timer indicating the amount of time you have remaining. This will help you gauge the amount of time you should use to answer each question and to complete the exam. The amount of time you are given on the actual certification exam varies with each exam. Generally, certification exams take approximately 100 minutes to complete.

Ending and Grading the Electronic Assessment

When you click the Score Test button, you have the opportunity to review the questions you marked or left incomplete. (This format is not similar to the one used on the actual certification exam, where you can verify whether you are satisfied with your answers, and then click the Grade Test button.) The electronic assessment is graded when you click the Score Test button, and the software presents your section scores and your total score.

Note You can always end a test without grading your electronic assessment by clicking the Home button.

After your electronic assessment is graded, you can view the correct and incorrect answers by clicking the Review Questions button.

Interpreting the Electronic Assessment Results

The Score screen shows you the number of questions in each Objective Domain section, the number of questions you answered correctly, and a percentage grade for each section. You can use the Score screen to determine where to spend additional time studying. On the actual certification exam, the number of questions and passing score will depend on the exam you are taking. The electronic assessment records your score each time you grade an exam so that you can track your progress over time.

► To view your progress and exam records

1. From the electronic assessment Main menu, click View History.

Each test attempt score appears.

2. Click on a test attempt date/time to view your score for each objective domain.

Review these scores to determine which Objective Domains you should study further. You can also use the scores to check your progress.

Ordering More Questions

Self Test Software offers practice tests to help you prepare for a variety of MCP certification exams. These practice tests contain hundreds of additional questions and are similar to the Readiness Review electronic assessment. For a fee, you can order exam practice tests for this exam and other Microsoft certification exams. Click the Order More Questions link on the electronic assessment home page for more information.

Using the Readiness Review Book

You can use the Readiness Review book as a supplement to the Readiness Review electronic assessment, or as a stand-alone study aid. If you decide to use the book as a stand-alone study aid, review the Table of Contents or the list of objectives to find topics of interest or an appropriate starting point for you. To get the greatest benefit from the book, use the electronic assessment as a pretest to determine the Objective Domains where you should spend the most study time. Or, if you want to research specific questions while taking the electronic assessment, use the question number on the question screen to reference the question number in the Readiness Review book.

One way to determine areas where additional study might be helpful is to carefully review your individual section scores from the electronic assessment and note objective areas in which your score could be improved. The section scores correlate to the Objective Domains listed in the Readiness Review book.

Reviewing the Objectives

Each Objective Domain in the book contains an introduction and a list of practice skills. Each list of practice skills describes suggested tasks you can perform to help you understand the objectives. Some of the tasks suggest reading additional material, while others are hands-on practices with software or hardware. Pay particular attention to the hands-on suggestions, because the certification exam reflects real-world knowledge you can gain only by working with the software or technology. Increasing your real-world experience with the relevant products and technologies will improve your exam score.

Once you have chosen the objectives you want to study, turn to the Table of Contents to locate the objectives in the Readiness Review book. You can study each objective separately, but you might need to understand the concepts explained in other objectives.

Make sure you understand the key terms for each objective. You will need a thorough understanding of these terms to answer the objective's questions correctly. Key term definitions are located in the Glossary of this book.

Reviewing the Questions

Each objective includes questions followed by the possible answers. After you review the question and select a probable answer, turn to the Answer section to determine whether you answered the question correctly. (For information about the question numbering format, see "Question Numbering System," earlier in this introduction.)

The Readiness Review briefly discusses each possible answer and explains why each answer is correct or incorrect. After reviewing each answer and explanation, if you feel you need more information about a topic, question, or answer, refer to the “Further Readings” section for that domain.

The answers to the questions in the Readiness Review are based on current industry specifications and standards. However, the information provided by the answers is subject to change as technology improves and changes.

Exam Objectives Summary

The Implementing and Administering a Microsoft Windows 2000 Network Infrastructure certification (70-216) exam measures your ability to implement, administer, and troubleshoot networks that use the Windows 2000 operating system. This includes configuring various network protocols and implementing services on a Windows 2000 Server to support specific client needs. Before taking the exam, you should be proficient with the job skills presented in the following sections. The sections provide the exam objectives and the corresponding objective numbers (which you can use to reference the questions in the Readiness Review electronic assessment and book) grouped by Objective Domains.

Objective Domain 1: Installing, Configuring, Managing, Monitoring, and Troubleshooting DNS in a Windows 2000 Network Infrastructure

The objectives in Objective Domain 1 are as follows:

- Objective 1.1 (70-216.01.01)—Install, configure, and troubleshoot DNS.
- Objective 1.2 (70-216.01.02)—Manage and monitor DNS.

Objective Domain 2: Installing, Configuring, Managing, Monitoring, and Troubleshooting DHCP in a Windows 2000 Network Infrastructure

The objectives in Objective Domain 2 are as follows:

- Objective 2.1 (70-216.02.01)—Install, configure, and troubleshoot DHCP.
- Objective 2.2 (70-216.02.02)—Manage and monitor DHCP.

Objective Domain 3: Configuring, Managing, Monitoring, and Troubleshooting Remote Access in a Windows 2000 Network Infrastructure

The objectives in Objective Domain 3 are as follows:

- Objective 3.1 (70-216.03.01)—Configure and troubleshoot remote access.
- Objective 3.2 (70-216.03.02)—Manage and monitor remote access.
- Objective 3.3 (70-216.03.03)—Configure remote access security.

Objective Domain 4: Installing, Configuring, Managing, Monitoring, and Troubleshooting Network Protocols in a Windows 2000 Network Infrastructure

The objectives in Objective Domain 4 are as follows:

- Objective 4.1 (70-216.04.01)—Install, configure, and troubleshoot network protocols.
- Objective 4.2 (70-216.04.02)—Configure TCP/IP packet filters.
- Objective 4.3 (70-216.04.03)—Configure and troubleshoot network protocol security.
- Objective 4.4 (70-216.04.04)—Manage and monitor network traffic.
- Objective 4.5 (70-216.04.05)—Configure and troubleshoot IPSec.

Objective Domain 5: Installing, Configuring, Managing, Monitoring, and Troubleshooting WINS in a Windows 2000 Network Infrastructure

The objectives in Objective Domain 5 are as follows:

- Objective 5.1 (70-216.05.01)—Install, configure, and troubleshoot WINS.
- Objective 5.2 (70-216.05.02)—Configure WINS replication.
- Objective 5.3 (70-216.05.03)—Configure NetBIOS name resolution.
- Objective 5.4 (70-216.05.04)—Manage and monitor WINS.

Objective Domain 6: Installing, Configuring, Managing, Monitoring, and Troubleshooting IP Routing in a Windows 2000 Network Infrastructure

The objectives in Objective Domain 6 are as follows:

- Objective 6.1 (70-216.06.01)—Install, configure, and troubleshoot IP routing protocols.
- Objective 6.2 (70-216.06.02)—Manage and monitor IP routing.

Objective Domain 7: Installing, Configuring, and Troubleshooting Network Address Translation (NAT)

The objectives in Objective Domain 7 are as follows:

- Objective 7.1 (70-216.07.01)—Install Internet Connection Sharing.
- Objective 7.2 (70-216.07.02)—Install NAT.
- Objective 7.3 (70-216.07.03)—Configure NAT properties.
- Objective 7.4 (70-216.07.04)—Configure NAT interfaces.

Objective Domain 8: Installing, Configuring, Managing, Monitoring, and Troubleshooting Certificate Services

The objectives in Objective Domain 8 are as follows:

- Objective 8.1 (70-216.08.01)—Install and configure Certificate Authority (CA).
- Objective 8.2 (70-216.08.02)—Issue and revoke certificates.
- Objective 8.3 (70-216.08.03)—Remove the Encrypting File System (EFS) recovery keys.

Getting More Help

A variety of resources are available to help you study for the exam. Your options include instructor-led classes, seminars, self-paced kits, or other learning materials. The materials described here are created to prepare you for MCP exams. Each training resource fits a different type of learning style and budget.

Microsoft Official Curriculum (MOC)

Microsoft Official Curriculum (MOC) courses are technical training courses developed by Microsoft product groups to educate computer professionals who use Microsoft technology. The courses are developed with the same objectives used for Microsoft certification, and MOC courses are available to support most exams for the MCSE certification. The courses are available in instructor-led, online, or self-paced formats to fit your preferred learning style.

Self-Paced Training

Microsoft Press self-paced training kits cover a variety of Microsoft technical products. The self-paced kits, which are based on MOC courses, feature self-paced lessons, hands-on practices, multimedia presentations, practice files, and demonstration software. They can help you understand the concepts and get the experience you need to prepare for the corresponding MCP exam.

To help you prepare for the Implementing and Administering a Microsoft Windows 2000 Network Infrastructure 70-216 MCP exam, Microsoft has written the *Microsoft Windows 2000 Network Infrastructure Administration* training kit. With this official self-paced training kit, you can learn techniques for developing and implementing a Windows 2000 network infrastructure. Included with this self-paced training kit is a CD-ROM that features multimedia presentations to further explain the concepts covered.

MCP Approved Study Guides

MCP Approved Study Guides, available through several organizations, are learning tools that help you prepare for MCP exams. The study guides are available in a variety of formats to match your learning style, including books, compact discs, online content, and videos. These guides come in a wide range of prices to fit your budget.

Microsoft Seminar Series

Microsoft Solution Providers and other organizations are often a source of information to help you prepare for an MCP exam. For example, many solution providers will present seminars to help industry professionals understand a particular product technology, such as networking. For information on all Microsoft-sponsored events, visit <http://www.microsoft.com/events>.