

专业认证考试丛书

ALL-IN-ONE

MCSA Windows 2000 认证考试指南

MCSA Windows 2000 Certification All-in-One Exam Guide

英文
版

- 涵盖 MCSA 考试的所有核心内容
- 既可以作为考试指南，也可以作为工作中使用的参考书
- 内含练习题和参考答案



内含数百个练习题和
一个自适应测试引擎

[美] Damir Bersinic Stephen Giles Rob Scrimger 著

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考试指南

(英文版)

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北京 · BEIJING

内 容 简 介

本书涵盖 MCSA Windows 2000 认证考试所需的全部资料。全书共分 18 章,详细讲述了考试目标、实践问题和实用练习。主要内容包括:管理 Windows 2000 硬件配置,配置网卡,在服务器和客户计算机上配置、管理和查错 DHCP,配置 Windows 2000 拨号连网客户,创建和管理本地用户和用户组,安装、配置、监控和查错终端服务,使用组策略管理 Windows 2000 安全配置等。本书适合 MCSA Windows 2000 认证考试的备考者使用。

Damir Bersinic, Stephen Giles and Rob Scrimger: **MCSA Windows 2000 Certification All-in-One Exam Guide.**

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DEDICATION

A note came across my desk that discussed how a jar can appear full when filled with rocks, yet still have room for pebbles between the rocks, and have even more room for sand between those rocks and pebbles. The analogy used is that the jar is our lives and the sand is the small stuff we fret over once in a while during the day (missing the bus, finding out the guy in front got the last chicken meal on the flight, and so forth). The pebbles are the things we worry about daily, such as our job, finances, and so on. The rocks are the important things that fill up the jar and they are the most important in our lives—our spouses, children, family, and friends. The moral is this: filling the jar with sand or pebbles leaves no room for rocks, but starting with rocks leaves room for the others. I dedicate this book, and many of the things I do in my life, to my wife Visnja and son Anthony because they are the rocks that fill my jar gladly and make me realize why every day is such a wonderful experience.

Damir Bersinic

I'd like to dedicate this book to my wife Antonella and my daughter Olivia, for all their love and support (and willingness to put up with me when sleep was hard to come by).

Steve Giles

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Damir Bersinic, an MCT, MCSE+Internet, MCDBA, CTT+, and Oracle Certified DBA and Trainer, has 20 years of industry experience working with various Windows flavors, databases including SQL Server and Oracle, as well as many other advanced products. President and founder of Bradley Systems Incorporated, a Microsoft Certified Partner focusing on database, Internet, and system integration consulting and training, Damir has aided many organizations in the successful design and implementation of Active Directory, and migration to Windows 2000, as well as Exchange 2000. An avid fan of Formula 1 and CART racing, Damir can be found in front of his large-screen TV on almost all race weekends, but he also enjoys spending as much time as possible with his wife Visnja and son Anthony. You can reach Damir by e-mail at damir@bradsys.com.

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Rob Scrimger first learned about computers when his teacher in Grade 10 brought in an Apple II. A week later, Rob was programming. Over the past 20 years, Rob has become a renaissance man of computers as an operator, a programmer, a trainer, a network administrator, a DBA, a field service technician, and doing nearly every thing else that's computer related. Rob currently resides in Ottawa, Canada—known as Silicon Valley North—and he works as an independent contractor. He splits his time among training, writing, web development, and network administration. Rob now has three MCSE designations to his credit, NT3.5, NT 4.0, and Windows 2000 (Charter Member), in addition to being an MCT, MCDBA, MCSE+I, MCP+SB, CTT, A+ Certified Technician, and Network + certified. Rob has published many books on Windows, TCP/IP, databases, and Internet technologies. He has also been teaching others “how to” for over 12 years and, for most of that time, Rob has concentrated on teaching technical courses to the folks who keep networks running. Rob is particularly noted for his networking, database, and Internet courses.

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Alternatively, you can also use a combination of CompTIA exams to fulfill the elective requirement. You

- 70-244: Supporting and Maintaining a Microsoft Windows NT Server 4.0 Network
- 70-238: Installing, Configuring, and Administering Microsoft SQL Server 2000 Enterprise Edition
- 70-227: Installing, Configuring, and Administering Microsoft Internet Security and Acceleration (ISA) Server
- 70-224: Installing, Configuring, and Administering Microsoft Windows 2000 Server
- 70-216: Implementing and Administering a Microsoft Windows 2000 Network Infrastructure
- 70-088: Implementing and Supporting Microsoft Proxy Server 2.0
- 70-086: Implementing and Supporting Microsoft Systems Management Server 2.0
- 70-081: Implementing and Supporting Microsoft Exchange Server 5.5
- 70-058: Administering Microsoft SQL Server 7.0

The list of electives includes the following:

- 70-218: Managing a Microsoft Windows 2000 Network Environment

and

- 70-215: Installing, Configuring, and Administering Microsoft Windows 2000 Server
- 70-210: Installing, Configuring, and Administering Microsoft Windows 2000 Professional

The core exams are the following:

To earn an MCSA designation, you must pass three core exams and one elective exam.

ACKNOWLEDGMENTS

Thanks to Nancy Maragioglio for her usual mix of tireless support, optimism, and a willingness to crack the whip when needed.

Thanks to Rob Scrimger, Rory McCaw, and (don) Matteo Rustico for their contributions in helping to make this project a success.

INTRODUCTION

MCSA Certification

When Microsoft announced the Microsoft Certified Systems Administrator (MCSA) credential, it provided an opportunity for many computer professionals to obtain a professional certification that accurately portrayed their job functions. Designed to establish the skill level of those who are responsible for implementing, managing, and troubleshooting existing systems, the MCSA distinguishes those who administrate from those who design and deploy the systems. Based on the National Workforce Center for Emerging Technologies Skill Standards for Information Technology and other research, the MCSA defines its audience as network administrators, information system administrators, network technicians, and technical support specialists.

To earn an MCSA designation, you must pass three core exams and one elective exam.

The core exams are the following:

- 70-210: Installing, Configuring, and Administering Microsoft Windows 2000 Professional
- 70-215: Installing, Configuring, and Administering Microsoft Windows 2000 Server

and

- 70-218: Managing a Microsoft Windows 2000 Network Environment

The list of electives includes the following:

- 70-028: Administering Microsoft SQL Server 7.0
- 70-081: Implementing and Supporting Microsoft Exchange Server 5.5
- 70-086: Implementing and Supporting Microsoft Systems Management Server 2.0
- 70-088: Implementing and Supporting Microsoft Proxy Server 2.0
- 70-216: Implementing and Administering a Microsoft Windows 2000 Network Infrastructure
- 70-224: Installing, Configuring, and Administering Microsoft Windows 2000 Server
- 70-227: Installing, Configuring, and Administering Microsoft Internet Security and Acceleration (ISA) Server
- 70-228: Installing, Configuring, and Administering Microsoft SQL Server 2000 Enterprise Edition
- 70-244: Supporting and Maintaining a Microsoft Windows NT Server 4.0 Network

Alternatively, you can also use a combination of CompTIA exams to fulfill the elective requirement. You

must hold both exam certifications for the combination to count toward your MCSA certification:

- CompTIA A+ and CompTIA Network+

or

- CompTIA A+ and CompTIA Server+ exams

In this book, you'll find coverage of the information needed to prepare for the three core exams presented in a format that provides information valuable in the daily performance of an administrator's job. The material has been organized according to topic, rather than by exam division, making it a reference book as well as an exam guide. Every exam objective from each of the three exams is included in this text, however, and is highlighted to help you prepare for the exams. Additionally, a quick, crossreference appendix of the exam objectives is there, by exam, to help you in your studies.

According to Microsoft, the typical MCSA candidate should have six to twelve months of experience in implementing and administering a desktop OS, network OS, and managing client and network OSs, where from 200 to 2,600 users are supported, in two to a hundred physical locations. Their definition of typical network services and resources includes messaging, database, file and print, proxy server or firewall, Internet and intranet, remote access, and client computer management. In addition, they define connectivity as including connecting branch offices and individual users in remote locations to the corporate network and connecting corporate networks to the Internet.

While this book is designed to help you prepare for the exam, no replacement exists for hands-on experience. We included numerous lab exercises to help guide you through many common tasks, as well as Case Studies to provide real-world insights into administration.

Test Structure

If this is your first experience with Microsoft's testing structure or if you haven't taken a Microsoft exam in some time, the first thing you'll notice is the focus on scenario-based questions. While the actual exam questions remain multiple choice, this structure has been developed to help test the candidate's comprehension and skill at evaluating information to determine what's important in developing the solution and what isn't.

These performance or scenario-based questions might include graphic elements as exhibits. These graphics could be screen shots or diagrams, and they're designed to help clarify the scenario being provided. You'll be referred to the graphic within the text of this question type.

Other questions might include graphic elements as "hot spots." In this instance, you're asked to click a portion of the graphic to answer the question. For example, to test your understanding of how to configure TCP/IP properties on a client computer, you might be asked to drag the IP address, the subnet mask, and the default gateway from a series of choices available to the appropriate location on a screen that looks like the one you'd find in Windows 2000. Microsoft has also developed simulation questions, in which a simulation of the actual product is launched during the test, and you're asked to answer the question by working with the product. This is yet another method developed to ensure there's no replacement for hands-on experience.

Adaptive test formats are also being implemented by Microsoft, but at press time, not all Microsoft exams are available in adaptive format. Adaptive testing provides successively more difficult questions based on correct answers. The initial question posed to the candidate is of moderate difficulty. If that question is answered correctly, the next question is slightly more difficult. If answered incorrectly, the next question is slightly less difficult. Through this interactive evaluation of the candidate's responses, the exam tailors itself, as necessary, to achieve the proper psychometric algorithm to determine success or failure on the

overall exam. Not only does this adaptive format provide added security to the pool of questions, as the number of questions each candidate is exposed to varies, but it can also reduce the amount of time a candidate needs to take the exam.

Taking the Test

Microsoft exams are provided through Prometric and Vue testing centers worldwide. You can locate the testing centers nearest you by visiting www.prometric.com or www.vue.com. To register, you need your Social Security number or some other unique ID number when you call. You also need to have the name and number of the test you're registering to take.

On the day of your test, you need to provide two forms of identification, including one photo ID. You should plan to arrive early to do any last minute preparation and ensure you're focused on the exam when the time comes. You're not permitted to take any notes or study materials into the testing room with you. Most facilities provide scratch paper and pencils in the room for you to make notes during the exam, but all materials must be left in the room when you depart.

Microsoft certification is a proven career enhancement and achieving your MCSA certification should prove worth the time and effort.

Test Structure

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