

Preparation Guide for Exam 70-210

Installing, Configuring, and Administering Microsoft Windows 2000 Professional

Posted: October 11, 2001

Exam 70-210 is available as of June 15, 2000.

Microsoft exams might include adaptive testing technology and simulation items. Microsoft does not identify the format in which exams are presented. Please use the exam objectives listed in this preparation guide to prepare for the exam, regardless of its format. Before registering for this exam, please learn more about adaptive testing and simulations, and download samples, on the [Testing Innovations](#) page.

This preparation guide includes information on:

- [Credit Toward Certification](#)
- [Preparation Tools](#)
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This preparation guide was published October 11, 2001, and is subject to change at any time without prior notice and at Microsoft's sole discretion.

Credit Toward Certification

When you pass the Installing, Configuring, and Administering Microsoft® Windows® 2000 Professional exam, you achieve [Microsoft Certified Professional](#) status. You also earn credit toward the following certifications:

- **Core** credit toward [Microsoft Certified Systems Engineer on Microsoft Windows 2000](#) certification
- **Core** credit toward [Microsoft Certified Systems Administrator on Microsoft Windows 2000](#) certification

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Preparation Tools

In addition to your hands-on experience working with the product, you may want to use the following tools and training to help you prepare for this exam:

[Step-by-Step Guide to Preparing for a Microsoft Certified Professional Exam](#)

The Step-by-Step Guide describes a concise, six-step approach to preparing for an MCP exam, and is also a compendium of MCP exam-preparation resources.

[Microsoft Official Curriculum](#)

The Microsoft Official Curriculum (MOC) consists of courses designed by Microsoft product groups that support the certification exam process. You can choose from instructor-led classroom training, self-paced training kits, and online training. Supplement your hands-on experience using Microsoft Windows 2000 technology with the following courses:

- [Course 2151: Microsoft Windows 2000 Network and Operating System Essentials](#)
- [Course 2152: Implementing Microsoft Windows 2000 Professional and Server](#)

Microsoft Press

Visit Microsoft Press®, your online bookstore, for books and CD-ROMs to help you get the most out of Microsoft products. Microsoft Press offers a full line of study materials for MCP exams.

Practice Tests

Practice tests offered by Microsoft Approved Practice Test Providers enable you to assess and receive feedback on your level of knowledge and exam-readiness prior to taking a certification exam. Although your score on a practice test doesn't necessarily indicate what your score will be on a certification exam, a practice test gives you the opportunity to answer questions that are similar to those on the certification exam and can help you identify your areas of greatest strength and weakness.

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Audience Profile

Candidates for this exam operate in medium to very large computing environments that use Windows 2000 Professional as a desktop operating system. They have a minimum of one year's experience implementing and administering any desktop operating system in a network environment.

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Skills Being Measured

This certification exam measures your ability to implement, administer, and troubleshoot information systems that incorporate Microsoft Windows 2000. Before taking the exam, you should be proficient in the job skills listed below.

Installing Windows 2000 Professional

Perform an attended installation of Windows 2000 Professional.

Perform an unattended installation of Windows 2000 Professional.

- Install Windows 2000 Professional by using Windows 2000 Server Remote Installation Services (RIS).

- Install Windows 2000 Professional by using the System Preparation Tool.
- Create unattended answer files by using Setup Manager to automate the installation of Windows 2000 Professional.

Upgrade from a previous version of Windows to Windows 2000 Professional.

- Apply update packs to installed software applications.
- Prepare a computer to meet upgrade requirements.

Deploy service packs.

Troubleshoot failed installations.

Implementing and Conducting Administration of Resources

Monitor, manage, and troubleshoot access to files and folders.

- Configure, manage, and troubleshoot file compression.
- Control access to files and folders by using permissions.
- Optimize access to files and folders.

Manage and troubleshoot access to shared folders.

- Create and remove shared folders.
- Control access to shared folders by using permissions.
- Manage and troubleshoot Web server resources.

Connect to local and network print devices.

- Manage printers and print jobs.
- Control access to printers by using permissions.
- Connect to an Internet printer.
- Connect to a local print device.

Configure and manage file systems.

- Convert from one file system to another file system.
- Configure file systems by using NTFS, FAT32, or FAT.

Implementing, Managing, and Troubleshooting Hardware Devices and Drivers

Implement, manage, and troubleshoot disk devices.

- Install, configure, and manage DVD and CD-ROM devices.
- Monitor and configure disks.
- Monitor, configure, and troubleshoot volumes.
- Monitor and configure removable media, such as tape devices.

Implement, manage, and troubleshoot display devices.

- Configure multiple-display support.
- Install, configure, and troubleshoot a video adapter.

Implement, manage, and troubleshoot mobile computer hardware.

- Configure Advanced Power Management (APM).
- Configure and manage card services.

Implement, manage, and troubleshoot input and output (I/O) devices.

- Monitor, configure, and troubleshoot I/O devices, such as printers, scanners, multimedia devices, mouse, keyboard, and smart card reader.
- Monitor, configure, and troubleshoot multimedia hardware, such as cameras.
- Install, configure, and manage modems.
- Install, configure, and manage Infrared Data Association (IrDA) devices.
- Install, configure, and manage wireless devices.
- Install, configure, and manage USB devices.

Update drivers.

Monitor and configure multiple processing units.

Install, configure, and troubleshoot network adapters.

Monitoring and Optimizing System Performance and Reliability

Manage and troubleshoot driver signing.

Configure, manage, and troubleshoot the Task Scheduler.

Manage and troubleshoot the use and synchronization of offline files.

Optimize and troubleshoot performance of the Windows 2000 Professional desktop.

- Optimize and troubleshoot memory performance.

- Optimize and troubleshoot processor utilization.
- Optimize and troubleshoot disk performance.
- Optimize and troubleshoot network performance.
- Optimize and troubleshoot application performance.

Manage hardware profiles.

Recover system state data and user data.

- Recover system state data and user data by using Windows Backup.
- Troubleshoot system restoration by using Safe Mode.
- Recover system state data and user data by using the Recovery Console.

Configuring and Troubleshooting the Desktop Environment

Configure and manage user profiles.

Configure support for multiple languages or multiple locations.

- Enable multiple-language support.
- Configure multiple-language support for users.
- Configure local settings.
- Configure Windows 2000 Professional for multiple locations.

Manage applications by using Windows Installer packages.

Configure and troubleshoot desktop settings.

Configure and troubleshoot fax support.

Configure and troubleshoot accessibility services.

Implementing, Managing, and Troubleshooting Network Protocols and Services

Configure and troubleshoot the TCP/IP protocol.

Connect to computers by using dial-up networking.

- Connect to computers by using a virtual private network (VPN) connection.
- Create a dial-up connection to connect to a remote access server.
- Connect to the Internet by using dial-up networking.
- Configure and troubleshoot Internet Connection Sharing.

Connect to shared resources on a Microsoft network.

Implementing, Monitoring, and Troubleshooting Security

Encrypt data on a hard disk by using Encrypting File System (EFS).

Implement, configure, manage, and troubleshoot local security policy.

Implement, configure, manage, and troubleshoot local user accounts.

- Implement, configure, manage, and troubleshoot auditing.
- Implement, configure, manage, and troubleshoot account settings.
- Implement, configure, manage, and troubleshoot account policy.
- Create and manage local users and groups.
- Implement, configure, manage, and troubleshoot user rights.

Implement, configure, manage, and troubleshoot local user authentication.

- Configure and troubleshoot local user accounts.
- Configure and troubleshoot domain user accounts.

Implement, configure, manage, and troubleshoot a security configuration.