

IBM Personal Computer

**About Your Software
Windows 98, Applications,
and Support Software**



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and Support Software**



Note

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About This Book

This book supplements the information in your computer publications. Keep it with those publications for future reference.

This book contains general information about the preinstalled and other software provided with your computer.

This book is organized as follows:

- Chapter 1, “Overview of Your Software” on page 1, contains overview information about the software provided with your computer.
- Chapter 2, “Getting Started” on page 5, contains information to help you get started using your computer and to understand some of the software features.
- Chapter 3, “Installing Other Operating Systems” on page 17, contains information about installing other operating systems and support software.
- Chapter 4, “Using the Ready-to-Configure Utility Program CD” on page 19, contains information about installing or reinstalling software provided on the *Ready-to-Configure Utility Program CD*.
- Chapter 5, “Using Your Diagnostic Programs” on page 21, contains information about the IBM Enhanced Diagnostic and the PC-Doctor for Windows diagnostic programs that come with your computer.
- Appendix A, “License Information” on page 23, contains information about your software licenses.
- Appendix B, “Notices and Trademarks” on page 27, contains legal notices and trademark information.

Chapter 1. Overview of Your Software

Your computer comes with a variety of software: Microsoft Windows 98¹, application programs, diagnostic tools, and device drivers. Some of the software is *preinstalled* and some is *ready to install*. The software is licensed under the terms of the program license agreements provided with your computer and the license information in Appendix A of this booklet.

Preinstalled Software

In addition to Windows 98, your preinstalled software includes the following:

- Device drivers for factory-installed features
- The IBM Welcome Center, which is a central location from which you can install software provided by IBM, register your computer, set the time and date, set up your printer, view online books, start the *Ready-to-Configure Utility Program CD*, and obtain information about IBM products and technical support.

Additional information about your preinstalled software is in Chapter 2, “Getting Started” on page 5.

Important:

1. No backup diskettes for your preinstalled software are shipped with your computer. However, the *Ready-to-Configure Utility Program CD* contains most of your IBM-preinstalled programs and device drivers.

In addition, the Microsoft Windows 98 operating system (provided by Microsoft and not modified by IBM) is provided on a separate CD for backup purposes. This CD does not contain other software that is preinstalled in your computer. Use the *Microsoft Windows 98 CD* and the *Ready-to-Configure Utility Program CD* if you need to reinstall the operating system. (Diskettes for your Windows 98 operating system and preinstalled software are not available from IBM.) For information about reinstalling Windows 98, go to the following World Wide Web site: <http://www3.pc.ibm.com/support?page=IBM+PC>. Click on **Hints and tips**, and then click on **IBM PC 300GL (Type 6275, 6285, 6561, 6591) and PC 300PL (Type 6862, 6892) – Reinstalling Windows 98**.

2. The device drivers and some programs are also available on the World Wide Web at <http://www.pc.ibm.com/us/files.html> or on the IBM PC Bulletin Board System (BBS). For the BBS numbers, see the “Getting Help, Service, and Information”

¹ The Microsoft Certificate of Authenticity is your assurance that the Windows 98 software on your computer is legally licensed from Microsoft Corporation.

chapter in the *Using Your Personal Computer* booklet. Also, you might find updated device drivers and files on the World Wide Web or BBS.

3. Your hard disk is divided into multiple file allocation table (FAT) partitions. The C partition contains Windows 98 and the other preinstalled software. The other partitions are formatted but contain no files.
4. At your earliest opportunity, create the following diskettes:
 - a. An *IBM Enhanced Diagnostic* diskette. This self-starting diskette can be used to isolate problems with your computer. (For instructions on creating the diskette, see Chapter 5, “Using Your Diagnostic Programs” on page 21.)
 - b. A backup copy of the *CD-ROM Setup Boot Disk*, if this diskette is provided with your computer. (If the diskette comes with your computer, it is packaged with the *Microsoft Windows 98 CD*.)

Ready-to-Install Software

Ready-to-install software is provided on your *Ready-to-Configure Utility Program CD* and your hard disk. In addition to some of your IBM-preinstalled programs and device drivers, your CD and hard disk also contain additional software. You decide which programs to install, based on your needs. This section describes some of the additional software that might be included on the CD. Note 1 lists the ready-to-install software that is on your hard disk.

Notes:

1. **Norton AntiVirus for IBM, ConfigSafe, IBM System Management Tools, and Enhanced Diagnostic** ready-to-install software is on your hard disk and the *Ready-to-Configure Utility Program CD*. See “Using the Software Installation Program” on page 8 for information on installing these programs.
2. The actual software on the *Ready-to-Configure Utility Program CD* is subject to change and might be different from the following list. Some similar software for other operating systems (listed on page 17) is also on the CD. Additional information about the CD is in Chapter 4.

CoSession Remote A communication tool that enables an IBM technician or in-house administrator to diagnose and fix computer problems from a remote location. The connection can be made through a modem or a LAN connection.

IBM Global Network Dialer Software that enables you to dial into the World Wide Web through the IBM Global Network. If you install this software, you will also be able to install the Netscape Navigator browser.

**IBM Netfinity
Services**

Software that enables you to view detailed information about your computer hardware and software, browse DMI information, set up alerts, monitor a variety of system resources, and manage your asset security. If your computer is connected to a network that has Netfinity Manager installed, Netfinity Manager can gather information for asset management and can monitor the operation of your computer.

**PC-Doctor for
Windows
and
PC-Doctor for
Windows NT**

Diagnostic tools that can be used with Windows 98 and Windows NT 4.0, respectively. In addition to isolating hardware problems, these tools also provide information about your computer operating environment and some software components. Support documentation is built into the Help system. (See also Chapter 5, “Using Your Diagnostic Programs” on page 21.)

Chapter 2. Getting Started

This chapter contains information to help you get started using your computer; it explains:

- What you need before, and what happens after, you start your computer for the first time
- How to:
 - Access information and perform tasks from the IBM Welcome Center
 - Install and access Norton AntiVirus for IBM, ConfigSafe, and IBM System Management Tools
 - Use the online program to register your computer with IBM and then access the complimentary screen savers
 - View online books
 - Safely shut down your computer

Starting Your Computer for the First Time

You must complete the Windows 98 Setup procedure before you can access Windows 98 for the first time.

What You Need Before You Start

Before you start the Windows 98 Setup procedure, you need the following:

- The Windows 98 manual provided with your computer, in case you need more detailed information than what is provided in this chapter
- Microsoft Certificate of Authenticity (attached to the front cover of your Windows 98 manual) for the Product ID number
- Network information (if applicable) from your network administrator
- The printer model and port used by the printer, if a printer is attached directly to your computer

Running the Windows 98 Setup Program

If the Setup program has not already been run, it will appear when you start the computer. The program will prompt you to make choices or type information as required. If you need more detailed information than that which is provided in the following notes, refer to your Windows 98 manual.

Notes:

1. During the Setup procedure, you must indicate that you accept the Windows 98 license agreement and, when prompted, type the Product ID number from your Certificate of Authenticity. The Certificate of Authenticity is attached to the front cover of your Windows 98 manual.
2. After the Setup procedure is completed and the system is restarted, the Windows 98 desktop appears with the Welcome to Windows 98 window open. This window contains five options:
 - Register Now: Click on this option if you want to register your Windows 98 software with Microsoft. (You must have a modem installed to do this.)
 - Connect to the Internet: Click on this option if you want to set up an Internet connection.
 - Discover Windows 98: Click on this option to access information on the following:
 - Basic computing
 - A tutorial for new Windows users
 - Windows 98 features
 - Maintain Your Computer: Click on this option if you want to adjust the settings of your computer for optimum performance or set up a maintenance schedule for your computer.
 - Access the IBM Welcome Center: Click on this option if you want to use the features of the IBM Welcome Center. For further information on the IBM Welcome Center, refer to “Using the IBM Welcome Center” on page 7.
3. Your hard disk is divided into multiple file allocation table (FAT) partitions. The C partition contains Windows 98 and the other preinstalled software. The other partitions are formatted but contain no files.
4. At your earliest opportunity, create the diskettes referred to in note 4 on page 2.

Using the IBM Welcome Center

The IBM Welcome Center provides a central location where you can:

- Install the following software that is provided on your hard disk in a ready-to-install form:
 - Norton AntiVirus for IBM
 - ConfigSafe
 - IBM System Management Tools
- Create a self-starting diagnostic diskette
- Register your IBM computer
- Perform some system setup tasks, such as:
 - Setting the time and date
 - Setting up your printer
 - Reading information about arranging your workspace
- View online books, such as:
 - *Installing Options in Your Personal Computer*
 - *Understanding Your Personal Computer*
 - *Netfinity Services User's Guide*
- Start the *Ready-to-Configure Utility Program* CD to install additional software, such as that listed under “Ready-to-Install Software” on page 2
- Access IBM Web pages on the World Wide Web (which contain information about IBM products and technical support), if your computer has a World Wide Web connection. If your computer does not have a World Wide Web connection, you can link to selected Web pages on your hard disk.

To access and use the IBM Welcome Center:

1. Click on the **IBM Welcome Center** option in the Welcome to Windows 98 window. If the Welcome to Windows 98 window is closed, you can access the IBM Welcome Center by double-clicking on the **WELCOME - Click Here to Begin** icon on the Windows 98 desktop.
2. In general, to perform tasks or obtain information using the IBM Welcome Center:
 - a. Click on one of the categories listed on the left side of the main window:

- Welcome
- Getting Started
- Online Library
- System Customization
- News, Updates, and Service

Category-specific information will be displayed in the main window.

- b. In the main window, scroll to and click on a selectable topic. (Selectable topics are highlighted and underlined.) When applicable, follow the instructions that appear on the screen.

Notes:

1. This chapter contains additional information about performing specific tasks from the IBM Welcome Center.
2. For information about using the Microsoft Internet Explorer toolbar at the top of the IBM Welcome Center, refer to your Windows 98 manual or online Help.

Using the Software Installation Program

You can use the software installation (Ready-to-Configure) utility program that is preinstalled on your hard disk to:

- Install Norton AntiVirus for IBM, ConfigSafe, and IBM System Management Tools, and create a diagnostic diskette
- Delete this Ready-to-Configure utility program from your hard disk
- Read information about Norton AntiVirus for IBM, ConfigSafe, IBM System Management Tools, and the Enhanced Diagnostic program.

Note: A Ready-to-Configure utility program is also used on your *Ready-to-Configure Utility Program* CD. Information about using the *Ready-to-Configure Utility Program* CD is in Chapter 4.

To use the preinstalled utility program:

1. In the IBM Welcome Center window, click on **Getting Started**. (For information on accessing the IBM Welcome Center, refer to page 7.)
2. Scroll to and click on **Start the software installation utility** in the Installing Additional Software section.
3. When the Ready-to-Configure Utility menu appears, click on the applicable button:
 - a. **Install Applications** to install Norton AntiVirus for IBM, ConfigSafe, IBM System Management Tools, or create an Enhanced Diagnostic diskette.

Additional information about the first three applications is in “Using AntiVirus, ConfigSafe, System Management Tools, and Other Programs” on page 11. Additional information about creating and using the diagnostic diskette is in Chapter 5, “Using Your Diagnostic Programs” on page 21.

- b. **Delete this Utility Program from the Hard Disk** to delete the Ready-to-Configure utility program from your hard disk.

- c. **Read the Overview** to read information about Norton AntiVirus for IBM, ConfigSafe, IBM System Management Tools, and the Enhanced Diagnostic program.
4. To complete a task, make the applicable selections and follow the instructions on the screen.

Registering Your IBM Computer

Registering your computer takes only a few minutes. After you complete the product registration procedure, you are given the option to install a complimentary suite of Windows screen savers. (For information on registering your Windows 98 software with Microsoft, refer to page 6.)

What It Means to Register Your Computer

Registering your computer helps IBM provide better service to you. When your registration information is received, it is placed into a central database accessible by IBM technical-support representatives. If you need technical assistance, the support representative will already have information about your computer, saving you time on the phone. In addition, your comments about your computer are reviewed by a team dedicated to customer satisfaction and are taken into consideration in making improvements to IBM computers.

How to Register

Use the Product Registration program to register your IBM computer. The registration program gathers your name, address, voice and fax telephone numbers, e-mail address, machine type, and machine serial number. Then, forward the registration information to IBM using one of these methods:

- Print the information and then mail it to IBM.
- If your computer has a modem, transmit the information directly to IBM.

To register your computer:

1. In the IBM Welcome Center window, click on **Getting Started**. The related information is displayed.
2. Scroll to and click on **Register your computer** in the IBM Product Registration section; then follow the instructions on the screen.

or

1. Click on the Windows **Start** button.
2. Select **Programs**, and click on **WELCOME - Click Here to Begin**.

3. In the IBM Welcome Center window, click on **Getting Started**. The related information is displayed.
4. Scroll to and click on **Register your computer** in the IBM Product Registration section; then follow the instructions on the screen.

You can also register your computer through the World Wide Web at <http://www.pc.ibm.com/register>.

Accessing Your Complimentary Screen Savers

If you installed the optional screen savers during the product registration procedure, use the following steps to access the new screen savers.

1. Click on the Windows **Start** button.
2. Select **Settings**.
3. Click on **Control Panel**.
4. Double-click on **Display**.
5. Click on the **Screen Saver** tab.
6. Click on the Screen Saver pull-down menu in the Screen Saver section.
7. Click on one of the screen savers to select it.
8. Locate the **Wait** field scroll bar and set the minutes of inactivity that you want to elapse before the screen saver appears.
9. Click on **OK**.

Viewing Online Books

You can access online books, such as *Installing Options in Your Personal Computer*, from the IBM Welcome Center. To view books:

1. In the IBM Welcome Center window, click on **Online Library**.
2. Scroll to and click on the name of the book you want to read.

Using AntiVirus, ConfigSafe, System Management Tools, and Other Programs

This section contains information about Norton AntiVirus for IBM, ConfigSafe, IBM System Management Tools, and other programs that come with your computer.

Your computer has standard desktop programs provided by Windows 98, such as My Computer, My Documents, Network Neighborhood, Recycle Bin, Set Up the Microsoft Network, Connect to the Internet, My Briefcase, and Online Services. In addition, your computer comes with standard Windows 98 programs that you access through the Programs choice on the Windows Start menu, such as Accessories, StartUp, MS-DOS prompt, Windows Explorer, and so on. For information about the software in these groups, refer to your Windows 98 manual or online Help.

Additional software is provided on the *Ready-to-Configure Utility Program* CD. See Chapter 4, “Using the Ready-to-Configure Utility Program CD” on page 19 for additional information. Diagnostic software is described in Chapter 5, “Using Your Diagnostic Programs” on page 21.

Norton AntiVirus for IBM

The Norton AntiVirus for IBM program is a comprehensive antivirus product that detects and removes viruses from your computer. To install the Norton AntiVirus for IBM program:

1. In the IBM Welcome Center window, click on **Getting Started**. The related information is displayed.
2. Scroll to and click on **Start the software installation utility** in the Installing Additional Software section.
3. When the Ready-to-Configure Utility menu appears, click on the **Install Applications** button. In the Installation Choices window, click on **Norton AntiVirus for IBM** to highlight it.
4. Click on the **Add** button to move the title to the panel on the right; then click on the **Install** button.

If you want to customize or review the current settings of the program after it is installed:

1. Click on the Windows **Start** button.
2. Select **Programs, Norton AntiVirus**, and then click on **Norton AntiVirus**.
3. In the Norton AntiVirus window, click on **Options**.
4. Click on the tabs at the top of the screen to review and make any desired changes to the settings. To save changes, click on **OK** in each window in which you make changes.

5. Go back to the Norton AntiVirus main window and click on the **Scheduler**. If you want to change a Norton AntiVirus setting, double-click on the setting (event) you want to change in the window, make any desired changes, and then click on **OK**.
6. A new window appears. Click on **OK** in this window if you have made any changes and want to save them.

Support documentation is provided online. To access this documentation, click on the Windows **Start** button. Then select **Programs, Norton AntiVirus, Norton AntiVirus Guides**. Select **Reference Guide** or **User's Guide**. (Adobe Acrobat might need to be installed first.)

ConfigSafe

The ConfigSafe program is a comprehensive configuration tracking and recovery tool. It provides features that make it easier for you (or support personnel) to restore your system if your desktop becomes damaged, unusable, or unstartable.

Highlights of the ConfigSafe program include:

- Menu-driven, graphical interface.
- Snapshot feature that automatically captures and saves your system configuration information on a regular schedule. The information includes system files, hardware configuration, file versions, network connections, and registry information.
- Configuration restoration feature that you can use to restore, in just seconds, your system to a previous (or the factory-installed) configuration.
- UNDO feature that you can use to undo the last restored changes and return to the previous configuration.
- SOS (DOS restoration utility) feature that you can use to restore your system if you are unable to access your Windows 98 desktop.
- Automatic tracking of changes made (knowingly or unknowingly) to your basic system configuration.
- Report feature that you can use to generate (and then view or print) instant reports about system configuration changes. The reports can provide key information, such as a list of changes that occurred within the last week or since the factory-installed configuration.

These reports can be helpful to you in troubleshooting your system, or they can be viewed by or faxed to support personnel for help in resolving problems.

- Ability to work in conjunction with other programs, such as CoSession Remote, for remote assistance.
- Automatic performance of time-consuming tasks, such as backing up configuration information and gathering data.

- A simple way (point and click) to capture current system settings prior to making hardware or software changes. This provides a quick recovery method if problems occur when the changes are made.
- Customizable features to meet specific needs.

ConfigSafe can be a valuable troubleshooting tool, especially if problems develop after you install a new application or adapter. Before you make any changes to your system configuration, use ConfigSafe to take a snapshot of your current, working configuration. Then you can easily return to that configuration if your computer becomes disabled by changes in the configuration files.

If you are unable to solve a problem yourself and you need assistance from an IBM technical-support representative, use ConfigSafe to generate a report about recent changes in your configuration before you call the IBM PC HelpCenter. The IBM technical-support representative will be able to use the information in this report to help you solve the problem.

To install the ConfigSafe program:

1. In the IBM Welcome Center window, click on **Getting Started**. The related information is displayed.
2. Scroll to and click on **Start the software installation utility** in the Installing Additional Software section.
3. When the Ready-to-Configure Utility menu appears, click on the **Install Applications** button. In the Installation Choices window, click on **ConfigSafe** to highlight it.
4. Click on the **Add** button to move the title to the panel on the right; then click on the **Install** button.

To access the program after it is installed:

1. Click on the **Start** button.
2. Select **Programs, ConfigSafe**, and then click on **CONFIGSAFE**.

Support documentation is built into the online Help system. To access online Help, click on the Windows **Start** button. Then select **Programs, ConfigSafe**.

IBM System Management Tools

IBM System Management Tools consist of the following components:

- Desktop Management Interface (DMI) Service Provider 2.0
- Desktop Management (DM) BIOS 2.0 Instrumentation
- IBM PC System Monitor Instrumentation
- IBM AssetCare
- IBM Alert on LAN

- IBM SMART Reaction Client
- Intel® LANDesk® Client Manager 3.1

Notes:

1. Some computer models might not include all of the components of IBM System Management Tools.
2. IBM Alert on LAN requires hardware support. This support is provided with some computer models only.

Components of IBM System Management Tools: A description of each of the components of IBM System Management Tools follows:

DMI Service Provider 2.0 is a program that collects and manages information from software and hardware products on desktop computers, whether they are stand-alone or linked to a network. Each DMI-compliant component registers its information with the DMI Service Provider, and this information is stored in a Management Information Format (MIF) database. The DMI Service Provider handles requests and miscellaneous commands from management applications (such as Intel LANDesk Client Manager), retrieving the requested information from the MIF database, or passing requests on to DMI-compliant products, as needed. Support documentation is built into the DMI Browser's Help system.

DM BIOS 2.0 Instrumentation gathers hardware information that would otherwise be hard to access once a computer is up and running. DM BIOS Instrumentation retrieves information from the computer BIOS and allows this information to be viewed through the DMI Browser. The hardware information reported includes memory configuration, cache size, USB support, product number, system serial number, BIOS version, microprocessor information, system slot information, and more.

IBM PC System Monitor Instrumentation monitors system-board temperatures, system voltages, and fan speeds. It also detects removal of the computer cover. Data is reported to the DMI Service Provider and can be accessed through the DMI Browser or through DMI-compliant system management software. System management software, such as IBM Netfinity Services or Intel LANDesk Client Manager can be used to send an alert to the user or to the system administrator if a problem occurs.

IBM AssetCare is an application that configures and retrieves data from the Enhanced Asset Information Area in your computer. The Enhanced Asset Information Area is an EEPROM that provides component tracking and theft detection capabilities. IBM AssetCare makes it possible to track leasing, warranty, and user and system information, as well as serial numbers for major system components. You can also use IBM AssetCare to create personalized data fields that, with the use of DMI-compliant network management software, provide you with space for customized information. IBM AssetCare can issue a DMI-compliant alert when it detects configuration changes.

In addition, you can use a wireless radio frequency reader to access information about your computer provided by IBM AssetCare.

IBM Alert on LAN configures and monitors the Alert on LAN hardware that comes with some computer models. IBM Alert on LAN can be used to notify a LAN administrator of power-on self-test (POST) failures, operating system problems, environmental problems (such as high system temperatures and system voltage fluctuations), and some security breaches (such as chassis intrusion). Like Wake on LAN, IBM Alert on LAN can function when the computer power switch is turned off. Administrators can monitor IBM Alert on LAN using system management software, such as IBM Netfinity Manager 5.2 or Intel LANDesk Client Manager Administrator 3.3. For further information on IBM Alert on LAN, refer to <http://www.pc.ibm.com/us/desktop/alertonlan> on the World Wide Web.

IBM SMART Reaction Client is a program designed to protect data on computers that have Self-Monitoring, Analysis, and Reporting Technology (SMART) hard disk drives. SMART monitors the status of a hard disk drive and generates predictive failure analysis (PFA) alerts if a potential failure exists within the drive. IBM SMART Reaction Client intercepts these alerts and converts them to useful responses (such as displaying screen messages at the client workstation or alerting additional parties that a specific workstation has a potential hard disk failure). IBM SMART Reaction Client has a full-function backup and restoration program, as well as a mirroring program, which can be used to dynamically “mirror” the contents of up to 64 folders to another hard disk. As source files are saved, the mirror files are automatically updated to contain the same data. IBM SMART Reaction Client also has a built-in scheduler for scheduling backup, restore, and mirror operations. The IBM SMART Reaction Manager program must be installed and running on at least one network computer before IBM SMART Reaction Client can be installed on any client workstation. IBM SMART Reaction Manager, as well as complete documentation on the IBM SMART Reaction program (Client and Manager), is available at <http://www.pc.ibm.com/us/desktop/sr/> on the World Wide Web.

Intel LANDesk Client Manager 3.1 is an application that provides a graphical user interface for accessing all the components of IBM System Management Tools. LANDesk Client Manager also provides self-help diagnostic tools, including a PC health meter and a mechanism for issuing alerts about potential problems. The application automatically polls memory and other hardware to detect potential failure conditions, and it takes periodic snapshots of critical configuration files for change management and restoration. You can use LANDesk Client Manager to manage your own computer, or the program can be used in conjunction with Intel LANDesk Client Manager Administrator to enable a network administrator to remotely monitor your computer. Further information on LANDesk Client Manager Administrator is available at <http://www.pc.ibm.com/us/cdt/> on the World Wide Web.

Installing IBM System Management Tools: To install IBM System Management Tools:

1. In the IBM Welcome Center window, click on **Getting Started**. The related information is displayed.
2. Scroll to and click on **Start the software installation utility** in the Installing Additional Software section.
3. When the Ready-to-Configure Utility menu appears, click on the **Install Applications** button. In the Installation Choices window, click on **IBM System Management Tools** to highlight it.
4. Click on the **Add** button to move the title to the panel on the right; then click on the **Install** button.

To access IBM System Management Tools after they are installed:

1. Click on the Windows **Start** button.
2. Select **Programs, IBM System Management Tools**, and then click on the desired choice.

For online Help, click on the Windows **Start** button. Then select **Programs, IBM System Management Tools**. The pull-down menu to the right of the screen has support documentation built into the DMI MIF Browser menu items.

Shutting Down Your Computer

To help prevent the loss of unsaved data or damage to your programs, always use the shutdown procedure before turning off your computer.

To shut down your computer:

1. Save any data you are working on.
2. Close all open applications.
3. Click on the Windows **Start** button.
4. Click on **Shut Down**; then click on **Yes** to confirm the request.

The next time you turn on your computer, Windows 98 restores any windows that were open the last time you shut down your computer.

Chapter 3. Installing Other Operating Systems

If you install or reinstall Microsoft Windows NT Workstation 4.0 or 3.51, Microsoft Windows 98 or Windows 95, or OS/2, you might need software or device drivers. Hardware-specific support software is available on the *Ready-to-Configure Utility Program* CD. (If you experience problems with device drivers installed from the *Ready-to-Configure Utility Program* CD, you can obtain updated device drivers from the World Wide Web at <http://www.pc.ibm.com/us/files.html>, or on the IBM PC Bulletin Board System.) You can obtain SCO Unix device driver support on the World Wide Web at <http://www.adaptec.com>.

Before installing any operating system, be sure you obtain the latest updates. Contact the operating system manufacturer or, if applicable, check the manufacturer's Web site to obtain the updates.

To install an operating system, follow the instructions in the documentation provided with the operating system and any updates. Then, follow the instructions in Chapter 4, "Using the Ready-to-Configure Utility Program CD" on page 19 to install the support software.

Instructions for reinstalling Windows 98 from the *Microsoft Windows 98* CD provided with your computer can be found at the following World Wide Web site: <http://www3.pc.ibm.com/support?page=IBM+PC>. Click on **Hints and tips**, and then click on **IBM PC 300GL (Type 6275, 6285, 6561, 6591) and PC 300PL (Type 6862, 6892) – Reinstalling Windows 98**.

Chapter 4. Using the Ready-to-Configure Utility Program CD

Use the information in this chapter if you want to install or reinstall device drivers and other software from the *Ready-to-Configure Utility Program CD*.

Features of the CD

The *Ready-to-Configure Utility Program CD* contains device drivers, diagnostic programs, and other support software for a variety of operating system environments.

Important

The *Ready-to-Configure Utility Program CD* does not contain operating systems. Before you can use the CD, your operating system must already be installed on your computer.

You can use the CD to:

- Install some products directly from the CD on models equipped with a CD-ROM drive.
- Create a local area network (LAN) image of the software products on the *Ready-to-Configure Utility Program CD* and install the products from a LAN disk.
- Create diskettes for software products that cannot be installed from the CD and install the products from diskette.

The utility program on the CD has an easy-to-use, graphical interface and automated installation procedures for most products. The utility program also has a help system and a comprehensive overview that describes the features of the utility program, the software products that can be installed from the CD, and the operating environments that are supported by those products.

The products on the *Ready-to-Configure Utility Program CD* are licensed according to the terms and conditions of the IBM International Program License Agreement and the License Information contained in the CD overview. The license information in Appendix A of this booklet is for the preinstalled software; the license information in the CD overview is for the CD software.

Starting the CD

To install *Ready-to-Configure Utility Program* CD software or view overview information about the related device drivers and programs:

1. Insert the *Ready-to-Configure Utility Program* CD into your CD-ROM drive.
2. Start the CD: From the Windows 98, Windows 95, or Windows NT 4.0 desktop, double-click on **WELCOME - Click Here to Begin**, click on **System Customization**, and click on **Run the Ready-to-Configure utility**.

or

Start the CD as follows, depending on your operating system.

- For Windows 98, Windows 95, or Windows NT 4.0: Click on the Windows **Start** button, click on **Run**, and then type

```
e:\ibmsetup
```

where *e*: is the CD-ROM drive letter. Press **Enter**.

- For Windows NT 3.51 or Windows 3.1: From the Windows Program Manager window, click on **File** on the menu bar, click on **Run**, and then type

```
e:\ibmsetup
```

where *e*: is the CD-ROM drive letter. Press **Enter**.

- For OS/2: At an OS/2 command prompt, type

```
start /win e:\ibmsetup
```

where *e*: is the CD-ROM drive letter. Press **Enter**.

3. When the main menu appears, select the desired option; then follow the instructions on the screen.

After a program is installed, you can access it through the Programs choice on the Windows Start menu. For most programs, support documentation is built into the online Help system; for some, online documents are also provided.

Chapter 5. Using Your Diagnostic Programs

IBM provides diagnostic programs that you can run to diagnose hardware and some software problems. Several utility programs that provide information about your computer are also included.

Note: Additional diagnostic information, such as troubleshooting charts and corrective measures for power-on self-test (POST) error messages, is provided in the *Using Your Personal Computer* booklet.

Enhanced Diagnostics

An *IBM Enhanced Diagnostic* diskette image is provided on your hard disk and the *Ready-to-Configure Utility Program* CD. This diagnostic program runs independently of the operating system. The user interface for running the diagnostics and utilities is provided by Watergate Software's PC-Doctor.

You can use this program to test the hardware (and some software) components of your computer. This method of testing is generally used when other methods are not accessible or have not been successful in isolating a problem suspected to be hardware related.

This section contains instructions for:

- Creating an *IBM Enhanced Diagnostic* diskette from the image on your hard disk.
Note: For information about creating a diskette (from the Diskette Factory) on the *Ready-to-Configure Utility Program* CD, see page 19.
- Starting the program from diskette.

To create an *IBM Enhanced Diagnostic* diskette:

1. In the IBM Welcome Center window, click on **Getting Started**. The related information is displayed.
2. Scroll to and click on **Start the software installation utility** in the Installing Additional Software section.
3. When the Ready-to-Configure Utility menu appears, click on the **Install Applications** button.
4. In the Installation Choices window, click on **IBM Enhanced Diagnostic** to highlight it.
5. Click on the **Add** button to move the title to the panel on the right; then click on the **Install** button.
6. Press **Enter** to continue and read the license information. Follow the instructions that appear at the bottom of the window.

7. When prompted, insert a blank, high-density diskette into the diskette drive and press **Enter**.
8. When the process is complete, remove the diskette and label it.

To start the enhanced diagnostic program:

1. Shut down Windows 98 and turn off the computer. (For instructions, see “Shutting Down Your Computer” on page 16.)
2. Turn off any attached devices.
3. Insert the *IBM Enhanced Diagnostic* diskette into drive A.
4. Turn on all attached devices; then turn on your computer.
5. Follow the instructions that appear on the screen. For help, press **F1**.

PC-Doctor for Windows

The PC-Doctor for Windows program is provided on the *Ready-to-Configure Utility Program* CD. This diagnostic program is designed specifically for the Windows operating environment and can be used only when Windows 98 is active. This program not only tests the hardware, but also analyzes certain software components of your computer. The program is especially useful in isolating problems related to the operating system and device drivers.

To use the PC-Doctor for Windows program:

1. If you have not already done so, install the program onto your hard disk. (Information about installing software from the *Ready-to-Configure Utility Program* CD is in Chapter 4.)
2. To run the program after it is installed, select it from the Programs choice on the Windows Start menu and follow the instructions on the screen. Help is available online.

Note: PC-Doctor for Windows NT 4.0 is also available on the *Ready-to-Configure Utility Program* CD. See Chapter 4, “Using the Ready-to-Configure Utility Program CD” on page 19 for instructions on starting the CD to view information about the additional software contained on the CD.

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