Chapter
14

This chapter describes the utilities, programs, drivers, and documentation provided on disk with the Windows Resource Kit. These utilities can also be downloaded from the Microsoft Product Support Download Service. For instructions on using this service, see "Online Services" in Appendix A, "Windows Resource Directory."

To install the Windows Resource Kit utilities:

1.

2.

3.In the command-line box, type a:setup (if A is the drive that contains the disk) and press ENTER.

This installs the utilities in the directory of your choice, and also creates a Program Manager group called "Windows Resource Kit."

If you decide to remove any of these utilities, see the description of the individual utilities later in this chapter for the associated filenames.

Contents of this chapter

The Windows Resource Kit Utilities

Graphics Viewer

Network Assistant

File Size Information

SMARTDrive Monitor

System Resource Monitor

TopDesk

Other Windows Resource Kit Files

README Files

Windows Driver Library Files

Network Support Files

The Windows Resource Kit Utilities

The Windows Resource Kit utilities range from applications for manipulating desktop wallpaper to File Manager extensions. The utilities include:

Graphics Viewer
Network Assistant
File Size Information

Graphics Viewer (BMPVIEW.EXE) allows you to view graphics files that are in Bitmap, MetaFile, and Icon formats. Graphics Viewer also allows you to load any files in Bitmap format as the desktop wallpaper. To run Graphics Viewer, double-click its icon in the Windows Resource Kit group. When the Graphics Viewer is running, press F1 for information about its features.

Figure 14.1

Graphics Viewer

Network Assistant (NETAPP.EXE) is an application for managing the network connections for both disk and printer devices. This utility has three parts that you can see by double-clicking the icon in the Network Assistant main window:

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.

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Figure 14.2

Network Assistant

442

File Size Information (FILESIZE.DLL) is an extension to File Manager.
After you install it, this extension adds a menu to File Manager named
Info. Choose this menu for information about a selected item such as
Number of Files, Number of Directories, and Total Disk Space. This is
especially useful for viewing the disk space occupied by a selected parent
directory and all its subdirectories.

Figure 14.3

File Size Information

The SMARTDrive Monitor (SMARTMON.EXE and SMARTMON.HLP)
provides an interface to the SMARTDrive 4.0 disk cache included with
Windows 3.1. SMARTDrive Monitor displays a graph showing Cache Hit
Rate. Each column in this graph represents the percentage of "hits" on the
cache during the specified sampling frequency (the default is 500 msec). A
hit occurs each time Windows looks to SMARTDrive for information and
finds it in the cache. The SMARTDrive Monitor also displays the Hit Rate
when minimized. To run this application, double-click its icon in the
Windows Resource Kit group. When SMARTDrive Monitor is running,
press F1 for information about its features.

Figure 14.4

SMARTDrive Monitor

Windows Resource Kit

The System Resource Monitor (SYSMETER.EXE and SYSMETER.HLP) displays the current use of the USER heap, the GDI heap, and system memory. The application displays three bars that represent the percent-free of each of the three monitored areas. To run this application, double-click its icon in the Windows Resource Kit group. This utility also provides information while minimized. When System Resource Monitor is running, press F1 for information about its features.

Figure 14.5

System Resource Monitor

TopDesk (TOPDESK.EXE and TOPDESK.HLP) presents a small representation of the virtual desktop, showing your current desktop, the home desktop, all visible windows, and, optionally, all ghost windows. TopDesk lets you manipulate all of these objects with various keyboard and mouse actions. The model it presents gives you a clean, intuitive way to switch between several applications while conserving precious screen space. To run this application, double-click its icon in the Windows Resource Kit group. When TopDesk is running, press F1 for information about its features.

Figure 14.6

TopDesk

Other Windows Resource Kit Files

The other files on the Windows Resource Kit disk include README files, selections from the Windows Driver Library, and network support files.

Several document files are copied during the installation of the utilities. These README files include additional information about Windows 3.1.

You can read (and print) the files with Windows Write. These files include:

README file

SYSINI.WRI

WININI.WRI

NETWORKS.WRI
network configurations.

PRINTERS.WRI
fonts for the Windows environment.

IPX.WRI

README.WRI
Resource Kit was printed.

The Windows Resource Kit disk includes a selection of files from the Windows Driver Library (WDL). These drivers were released with the Windows Resource Kit on April 6, 1992.

The complete Microsoft Windows Driver Library contains device drivers made available after Windows version 3.1 was released. Device drivers are added to the WDL as they become available. If you have a modem, you can download the WDL device drivers from network services including CompuServe, GEnie, Microsoft OnLine, various user-group bulletin-board services (BBSs on the APCUG network), and the electronic downloading service maintained by Microsoft (206 637-9009). If you do not have a modem, you can obtain disks by calling Microsoft Customer Support Services at 800 426-9400.

If your copy of Windows was acquired outside the United States, the package contains a subsidiary information card listing bulletin-board services (BBSs) from which you can obtain updated device drivers. The card also lists local subsidiary telephone numbers you can call to obtain drivers if no BBS is available or you cannot access a BBS.

Windows Resource Kit

The following sound drivers are included on the Windows Resource Kit disk.

Source

Creative Labs

Media Vision

Artisoft

IBM

CompuAdd

To install a sound driver file:

1.

2.

3.

4.

The Microsoft IPX Upgrade utility assists network administrators who need to update the Novell NetWare version on their client workstations in order to run Windows 3.1. The Windows 3.1 components from Novell require the workstation to be running recent versions of the NetWare client software, including the NetWare shell, IPX, and (if you are running ODI-model) LSL. Updated versions of these components are included with Windows 3.1 and are copied to the user's Windows SYSTEM subdirectory when Setup detects NetWare. The files are also copied to a shared WINDOWS directory during Administrative Setup (setup /a). For details about upgrading workstations, see NETWORKS.WRI on the Windows Resource Kit disk.

The NetWare shell and the ODI-model IPXODI.COM and LSL.COM files are easy to install. However, to upgrade a dedicated-model IPX.COM, the

administrator must use a set of NetWare utilities to link a new version of IPX.COM and then manually configure the hardware options. The Microsoft IPX Upgrade utility automates this time-consuming process, allowing new versions of IPX.COM to be built and properly configured without the administrator's intervention. The utility can be run by the user, by an administrator, or from the user's logon script or AUTOEXEC.BAT file. The utility can also be run from a shared network drive or from a floppy disk.

For details about using the Microsoft IPX Upgrade utility, see the IPX.WRI file on the Windows Resource Kit disk.