

## **README.WRI File**

# **Microsoft® Windows NT™ Resource Kit Release Notes**

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This document contains important information that is not included in the online Help or the printed documents that are part of the Windows NT Resource Kit. In particular, this document contains information about setting up the Resource Kit utilities that is not available in other information sources.

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## **Contents**

This document contains additional information on the following topics:

### **1.0 Compact Disc Setup for the Resource Kit Software**

### **2.0 Additional Setup for Some Resource Guide Utilities**

2.1 AppleTalk Protocol / Services for Macintosh Administrator Tools Setup

2.2 Computer Profile Setup

2.3 FloppyLock Service Setup

2.4 FTP Server Performance Counters Setup

2.5 Net2Com Setup

2.6 NTDetect Setup

2.7 Animated Cursor Schemes Setup

2.8 DPML for Digital Alpha AXP

### **3.0 User Notes**

### **4.0 Other Online Documents**

### **5.0 File List for the Windows NT Resource Guide Utilities**

## 1.0 Compact Disc Setup for the Resource Kit Software

The Resource Kit compact disc contains a README.WRI file in the root directory along with appropriate install programs (INSTALL.EXE or SETUP.EXE) in the following subdirectories:

\I386	Windows NT Resource Guide Utilities for x86-based computers
\ALPHA	Windows NT Resource Guide Utilities for Digital Alpha AXP™ computers
\MIPS	Windows NT Resource Guide Utilities for Windows NT-compatible R4000™ and R4400 computers
\KNOWLEGE	Windows NT Knowledge Base
\PERFTOOL	Optimizing Tools for Windows NT
\WINNTMSG	Windows NT Messages Database
\POSIX	Source code for POSIX utilities installed with the Resource Guide utilities.

**Important:** You must use the proper Setup programs to install the Resource Kit software. It is recommended that you log on to a user account that is a member of the Administrators group before starting Setup. This will ensure that utilities that you install are easily available to other users of your computer. Also notice that many of the utilities will not work unless you are logged on as a member of the Administrators group.

### To set up the Windows NT Resource Guide Utilities from CD-ROM:

1. Start Windows NT and insert the Windows NT Resource Kit compact disc in the CD-ROM drive.
2. In Program Manager, choose Run from the File menu.
3. For an x86-based computer, in the Run dialog box, type `cd_driveletter:\i386\install` and choose the OK button.  
For a RISC-based computer, in the Run dialog box, type `cd_driveletter:\mips\install` and choose the OK button.  
For an Alpha AXP computer, in the Run dialog box, type `cd_driveletter:\alpha\install` and choose the OK button.
4. Follow the instructions on screen to complete Setup.

Setup creates a Resource Kit Tools program group with icons for all Windows-based utilities, and also adds the \RESKIT directory (or the directory name you choose for installing the utilities) to the System environment path. For more information about these utilities, choose the Resource Kit Tools Help icon in the Resource Kit program group (RKTOOLS.HLP).

Because there is no option for a minimum installation, there must be enough space on your hard disk to install all the utilities using INSTALL.EXE. Or you can copy individual files from the directory on the Resource Kit CD-ROM. For a list of individual files, see Section 5.0, "File List for the Windows NT Resource Guide Utilities," later in this chapter. To ensure that you have all the files required for a specific tool, see its topic in RKTOOLS.HLP.

**To use the Windows NT Knowledge Base from CD-ROM:**

- \* In File Manager, switch to the \KNOWLEGE directory on the Resource Kit compact disc, and double-click the NTKBHELP.HLP filename.

There is no setup program for the Windows NT Knowledge Base. You can run Knowledge Base from Program Manager by first creating a directory in File Manager, copying the two files from the compact disc to that directory, and then dragging the Help file from File Manager to any program group.

The Windows NT Knowledge Base is available only on the Windows NT Resource Kit compact disc, not on the Resource Guide floppy disks.

**To set up the Optimizing Tools for Windows NT from CD-ROM:**

1. Start Windows NT and insert the Windows NT Resource Kit compact disc in the CD-ROM drive.
2. In Program Manager, choose Run from the File menu.
3. In the Run dialog box, type *cd\_driveletter:\perftool\install* and choose the OK button.
4. Follow the instructions on screen to complete Setup.

For more information about these optimizing utilities, see the README.WRI file in the \PERFTOOL directory on the Resource Kit compact disc. See also *Microsoft Windows NT Resource Kit, Volume 3: Optimizing Windows NT*.

**To set up the Windows NT Messages Database from CD-ROM:**

1. Start Windows NT. If you want to share the Messages database with other users, be sure to log on as the Administrator before installing the database.
2. Insert the Windows NT Resource Kit compact disc in the CD-ROM drive.
3. In Program Manager, choose Run from the File menu.
4. In the Run dialog box, type *cd\_driveletter:\WINNTMSG\SETUP* and choose the OK button.
5. Follow the instructions on screen to complete Setup.  
If you want to share the Messages database with other users, specify a path to a network server when Setup asks where you want to install it. When it asks if you want to join an existing workgroup, choose No unless you have already set one up on the network. You can use the Change WorkGroup icon to do that later.

Setup creates a program group in Program Manager for the Windows NT Messages database and related files. For more information, see *Microsoft Windows NT Resource Kit, Volume 2: Windows NT Messages*. See also the README.WRI file in the \WINNTMSG directory on the Resource Kit compact disc, or in the Windows NT Messages program group after installation.

The \POSIX directory contains the C language source code to the POSIX utilities that are shipped with the Windows NT Resource Kit. This source code and the POSIX utility binaries are not supported by Microsoft and have not undergone formal testing. If they do not work correctly and you are a proficient C programmer, you may be able to fix any bugs yourself. Consult the Win32 Software Development Kit for Windows NT for background information on building POSIX programs.

**To install the POSIX source code:**

\* At the command prompt, type the following lines:  
**xcopy cd\_driveletter:\posix c:\posix /s /e /i**  
**c:**  
**cd \posix**  
**longname**

Notice that the partition to which you copy the source code must have the NTFS file system. Also, from the directory to which you copied all the source code, you must run the LONGNAME.BAT file before attempting to compile any of the utilities. This batch file renames many of the files to their correct name, which is often longer than the standard 8.3 filename. If you do not run this batch file, the utilities will not compile correctly.

The following utilities may require code changes to make them work on RISC-based computers: AR.EXE, CC.EXE, DEVSRV.EXE, LD.EXE, MAKE.EXE. For example, CC.EXE invokes "CL386" to compile other programs; on RISC-based computers, you must change the code to invoke the proper compiler.

The following copyright notice applies to both the POSIX utilities provided in binary form as well as the source code on the compact disc.

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## 2.0 Additional Setup for Some Resource Guide Utilities

These Resource Guide utilities require separate or additional setup besides the steps described in Section 1.0:

- AppleTalk Protocol and Services for Macintosh Administrator Tools
- Computer Profile Setup (setting up multiple x86-based computers)
- FloppyLock Service (restricting access to floppy drives)
- FTP Server Performance Counters (additional information for Performance Monitor)
- Net2Com (modem sharing for network computers)
- NTDetect (hardware detection information for startup)
- Animated Cursors Schemes (a Control Panel tool for defining cursor schemes)
- DPML for Digital Alpha AXP (high-performance math functions)

The following sections describe these special setup requirements. For more information about each of these utilities, choose the Resource Kit Tools Help icon in the Resource Kit program group.

### 2.1 AppleTalk Protocol / Services for Macintosh Administrator Tools Setup

You can install the AppleTalk® Protocol and Services for Macintosh® (SFM) Administrator Tools included on the Resource Guide compact disc. Microsoft Windows NT Services for Macintosh is a thoroughly integrated component of Windows NT, making it possible for PC and Apple® Macintosh workstations to share files and printers.

#### To install Services for Macintosh Administrator Tools:

1. Choose the Network icon in Control Panel.
2. In the Network Settings dialog box, choose the Add Software button.
3. In the Add Network Software dialog box, select Services for Macintosh Administrator Tools from the list, and then choose the Continue button.
4. Follow the directions on screen. In the message box that asks you to specify the disks for installation, you must specify the drive and complete path name for the Resource Kit utilities. For CD-ROM, type *driveletter:\i386*, *driveletter:\MIPS*, or *driveletter:\ALPHA* depending on your type of computer. For a network resource, type a drive letter and path (such as Z:\RESKIT) for an existing connection, or the complete Upath name (such as \\SHARE\UTILITY\RESKIT).

After you install SFM Administrator Tools, a MacFile menu appears in the File Manager and Server Manager menu bars.

#### To install the AppleTalk Protocol:

- \* Repeat the steps described for installing Services for Macintosh Administrator Tools, selecting AppleTalk Protocol in the Add Network Software dialog box.

For more information about using and removing the AppleTalk Protocol and Services for Macintosh Administrator Tools, see the SFMATALK.SYS topic in RKTOOLS.HLP.

## 2.2 Computer Profile Setup (WINNTP.EXE)

The utility programs that make up Windows NT Computer Profile Setup (WINNTP.EXE) are used to make a copy (a "computer profile") of an installed Windows NT system on an x86-based computer. Then, for any number of computers that have an identical configuration, this computer profile is loaded and reinstalled on those computers using Computer Profile Setup. Setting up multiple computers with Computer Profile Setup requires three activities:

- Setting up the source computer
- Running UPLODPRF (Upload Profile)
- Setting up the target computer

These steps are described in the topic "WINNTP.EXE: Computer Profile Setup" in RKTOOLS.HLP. See also Chapter 3, "Customizing Windows NT Setup," in the *Microsoft Windows NT Resource Kit, Volume 1: Windows NT Resource Guide* for more details about Computer Profile Setup.

## 2.3 FloppyLock Service Setup

To use FLOPLOCK.EXE as a service, you must install it after you complete setup for the Windows NT Resource Guide utilities.

### To install the FloppyLock service:

- \* At the command prompt, type **instsrv** *exe-location*

Where *exe-location* is a fully qualified path and drive letter that specifies a local hard disk that contains FLOPLOCK.EXE. For example:

```
instsrv c:\reskit\floplock.exe
```

For more information about using and removing the FloppyLock service, see the FLOPLOCK.EXE topic in RKTOOLS.HLP.

## 2.4 FTP Server Performance Counters Setup

You can install the FTP Server performance counters so that you can use the Windows NT Performance Monitor (PERFMON.EXE) to monitor the activity of the Windows NT FTP Server. Installing the FTP Server performance counters is a separate task after you install the Resource Kit tools.

### To install the FTP Server performance counters:

- \* Switch to the \RESKIT directory on your hard disk. From the command prompt, run FTPINST.BAT.

**Important:** FTPINST.BAT must be run from the RESKIT subdirectory. Also, TCP/IP and the FTP Server must be installed, and LODCTR.EXE, UNLODCTR.EXE, and REGINI.EXE must be on the system environment path.

For more information about using and removing the FTP Server performance counters, see the FTPCTRS topic in RKTOOLS.HLP.

## 2.5 Net2Com Setup

Net2Com enables MS-DOS or Microsoft Windows 3.x clients to use modems attached to a Windows NT server for outbound modem services. Windows NT clients can also be used, but only via Windows or MS-DOS-based terminal emulation products such as DynaComm from Futuresoft. Installing Net2Com is a separate task from installing the Resource Kit tools.

**Important:** There is a bug in the version of net2set.exe which is included on floppy disk #2 of the Resource Guide utilities. This bug has been fixed in the version of net2set.exe which is on the Resource Kit CD-ROM. You must be logged on as a member of the Administrators group before attempting to install Net2Com.

### To install Net2Com:

1. Place the Resource Guide compact disc in the drive. Then switch to the directory that contains the utilities -- for example, *driveletter:\i386* for an x86-based computer.
2. At the prompt, type **net2set.exe**
3. Follow the directions on screen.

The Net2Com setup program installs all the necessary files in the directory you specify (typically, *SystemRoot\SYSTEM32\NET2COM*). For more information about using and removing Net2Com, see the NET2COM.EXE topic in RKTOOLS.HLP.

## 2.6 NTDetect Setup

The debug version of NTDETECT.COM file is included with the Resource Guide utilities. It replaces the NTDETECT.COM file that is part of the Windows NT system files. The debug version of NTDetect displays system hardware information at startup time for x86-based computers. Installing NTDetect is a separate task after you install the Resource Guide utilities.

### To install the debug version of NTDetect:

1. At the command prompt, switch to the \RESKIT directory where the Resource Guide utilities are installed, and type **installd**
2. Shut down and restart the computer to see hardware information during startup.

For more information about using and removing NTDetect, see the NTDETECT.COM topic in RKTOOLS.HLP.

## 2.7 Animated Cursor Schemes Setup

You can install a Cursors Schemes icon in the Control Panel to replace the Cursors icon included with Windows NT. The new Cursor Schemes icon lets you group cursors into schemes, similar to the color schemes you can create using the Color icon. Over 150 cursors and cursor schemes are included on the Resource Guide compact disc to help you customize your desktop.

### To install the Cursors Schemes icon in Control Panel:

1. Close Control Panel. (You cannot install SCHEMES.CPL if Control Panel is open.)
2. Make the \RESKIT directory the current directory, and then run SCHEMES.BAT.

This batch file installs SCHEMES.CPL in the SystemRoot\SYSTEM32 directory, and renames CURSORS.CPL to CURSORS.OLD so that there can be no conflict between the old and new cursors tools in Control Panel.

For more information about using and removing the Cursor Schemes tool, see the SCHEMES.CPL topic in RKTOOLS.HLP.

## 2.8 DPML for Digital Alpha AXP

The Digital Portable Math Library (DPML) file is for software developers that want to improve the performance of their math-intensive applications on Digital Alpha AXP computers. The file consists of a set of mathematical and trigonometric functions that are defined in the MATH.H file. These are normally found in the following C run-time libraries: LIBC.LIB, LIBCMT.LIB, and CRTDLL.DLL.

The DPML.LIB library contains high-performance versions of these mathematical and trigonometric functions. The following is a partial list of the functions included:

sin	cos	tan	asin	acos	atan	atan2
sqrt	log	log10	exp	pow	sinh	cosh
tanh	ceil	floor	modf	fmod		

For a complete list of functions, see the MATH.H and FLOAT.H files.

For best results on Digital Alpha AXP systems, applications that call floating-point math functions should link frequently with DPML.LIB. The performance difference achieved by using DPML.LIB versus the standard C run-time libraries is dramatic in many cases. Some functions execute up to five times faster.

To use the functions in DPML.LIB, arrange the link order of your libraries such that DPML.LIB appears before the standard C run-time libraries. Relinking is necessary, but recompilation is not.



### 3.0 User Notes

- You can use the SHARED32.INI file installed with the Resource Guide utilities as a template for customizing Microsoft Mail and Microsoft Schedule+, as described in Chapters 8 and 9 of the *Microsoft Windows NT Resource Kit, Volume 1: Windows NT Resource Guide*.
- Refer to the OS2API.TXT file installed with the Resource Guide utilities for a list of which OS/2 APIs are supported under the first release of Windows NT and which are not supported. You can use any text editor to read this file.
- The version of diruse.exe which is on the Resource Guide floppy disks has a bug in which alerts are not generated in some circumstances when the /a option is given. This bug has been fixed in diruse.exe which is on the Resource Kit CD-ROM.
- The version of dumpel.exe which is on the Resource Guide floppy disks has a bug which prevents it from displaying the event log correctly in all cases. The following error is displayed "An unexpected error forces the termination of DumpEl". This bug has been fixed in dumpel.exe which is on the Resource Kit CD-ROM.
- The **net use** command connects a workstation to a shared resource or disconnects a workstation from a shared resource. You can use the **net use** command to connect to network resources by using the undocumented \* switch. The syntax of the command is:

**NET USE** [*devicename*] [\\*computername*\*sharename* [*password* | \* ]]

The *devicename* parameter assigns a name to connect to the resource or specifies the device to be disconnected. There are two kinds of devicenames: disk drives (D: through Z:) and printers (LPT1 through LPT3). If a star [\*] is used for the drive letter to assign the sharename, Windows NT will select the next available drive letter to assign the connection to. For example:

**NET USE \* \\COMPUTER\SHARE**

If the C:, D:, F:, H: and J: drives are already used, then \\COMPUTER\SHARE would be connected to E: automatically. Notice that the "\*" option only works for assigning drive letters to connections. Printer connections are not supported using the star option.

## 4.0 Other Online Documents

The following table describes other online documents that contain important information about files available with the Windows NT Resource Kit.

<b>Document</b>	<b>Description</b>
JUL93HCL.HLP	The Hardware Compatibility List, describing all hardware that has been tested and found compatible with the first release of Windows NT, which did not include the Digital Alpha AXP code.
NTCARD.HLP	Adapter card Help, describing hardware settings for sound cards, network adapters, and SCSI adapters.
POSIX.WRI	Documentation for the utilities installed in the \RESKIT\POSIX subdirectory after you install the Resource Guide utilities.
README.WRI	In the \PERFTOOL directory on the Resource Kit compact disc. Contains descriptions and other information related to the special Optimizing Windows utilities.
README.WRI	In the \WINNTMSG directory on the Resource Kit compact disc. Contains descriptions and other information related to the Windows NT Messages database.
REGENCY.HLP	The Windows NT Registry Entry Values Guides, with parameters and usage information about the important values for services, devices, drivers, and software.
RKTOOLS.HLP	Help for the Resource Guide utilities, describing the required files, syntax and other usage issues, and examples for using these tools.
TROUBLE.HLP	Online troubleshooting flowcharts in a Help file.

## 5.0 File List for the Windows NT Resource Guide Utilities

The following files are on the Windows NT Resource Guide compact disc in either the \I386, \MIPS, or \ALPHA directory.

Filename	Description
*.cur, *.ani	Animated cursors and cursor schemes, saved in the <i>SystemRoot</i> \SYSTEM32 directory.
~profile.ini	Support file for Computer Profile Setup.
aniedit.exe	Windows-based tool for drawing and editing animated cursors.
ar.exe	Archiver; POSIX utility.
browmon.exe	Windows-based tool, shows browser status.
browmon.hlp	Help for BROWMON.EXE.
browstat.exe	Command-line utility, diagnoses browser problems and shows browser status.
cat.exe	Concatenator (TYPE substitute); POSIX utility.
cc.exe	C Compiler (CL front-end); POSIX utility.
chmod.exe	Change Mode (ATTRIB substitute); POSIX utility.
choice.exe	Gets input in batch files. (MS-DOS 6.0 utility).
chown.exe	Change Owner; POSIX utility.
compress.exe	Command-line utility, compresses files. Needed for Setup customization.
cp.exe	Copy (COPY substitute); POSIX utility.
delpart.exe	Command-line utility; FDISK that can recognize NTFS partition and remove it.
devsrv.exe	Background process for CC; POSIX utility.
diruse.exe	Command-line utility, shows disk space used per directory.
dommon.exe	Windows-based tool, gives status on domains, domain controllers, trust relationships.
dommon.hlp	Help for DOMMON.EXE.
dpml.dll	Support file for DPML.LIB.
dpml.lib	Digital portable math library file for Alpha AXP.
dpmldll.lib	Support file for DPML.LIB.
drivers.exe	Command-line utility, shows what drivers have loaded.
dumpel.exe	Command-line utility, dumps the event log to a file.
exetype.exe	Command-line utility, identifies an EXE as being for I386, MIPS, or Alpha AXP.
exetype.ini	Support file for EXETYPE.EXE.
fatboot.bin	Support file for Computer Profile Setup.
fifo.cmd	Changes Registry value for FIFO buffers for modems.
fifo_off.ini	Support file for FIFO.CMD.
fifo_on.ini	Support file for FIFO.CMD.
find.exe	File Finder; POSIX utility.
floplock.exe	Command-line utility or service that restricts access to floppy drives.
ftpctrs.dll	Support file for FTP Server performance counters.
ftpctrs.h	Support file for FTP Server performance counters.
ftpctrs.ini	Support file for FTP Server performance counters.
ftpctrs.reg	Support file for FTP Server performance counters.
ftpinst.bat	Installation batch file for FTP Server performance counters.
getbs.exe	Support file for Computer Profile Setup.
grep.exe	Global Regular Expression Print (Find); POSIX utility.
grptoreg.exe	Converts a .GRP file created by REGTOGRP.EXE into Registry

	entries.
gutil.dll	Support file for WINDIFF.EXE.
imagedit.exe	Windows-based tool, allows creation of icons and cursors, and also used in by the Animated Cursor Creator.
imagedit.hlp	Help for IMAGEDIT.EXE.
install.exe	Setup program for the Resource Kit.
install.inf	Support file for Resource Kit Setup program.
installd.cmd	Installs and removes the Debug version of NTDETECT.COM
instsrv.exe	Installs the FloppyLock service.
jul93hcl.hlp	Windows NT Hardware Compatibility List in Help file format.
jul93hcl.ind	Support file for JUL93HCL.HLP .
ld.exe	Loader (LINK front-end); POSIX utility.
lmmib2.mib	MIB source file.
ln.exe	Linker; POSIX utility.
loadacct.exe	Support file for Computer Profile Setup.
lodctr.exe	Support file for FTP Server performance counters.
ls.exe	List (DIR substitute); POSIX utility.
make.exe	NMAKE substitute; POSIX utility.
mib_ji.mib	MIB source file.
mibcc.exe	MIB compiler for SNMP.
mkdir.exe	Make Directory (MD substitute); POSIX utility.
mv.exe	Move (REN substitute); POSIX utility.
ncb2pth.dll	Support file for NET2COM.EXE.
net2all.dll	Support file for NET2COM.EXE.
net2com.exe	Windows-based tool, shares a modem.
net2com.inf	Support file for NET2COM.EXE.
net2mst.dll	Support file for NET2COM.EXE.
net2psp.dll	Support file for NET2COM.EXE.
net2set.exe	Setup and removal tool for NET2COM.EXE.
netsvc.exe	Command-line utility, remotely starts, stops, and queries the status of services.
netwatch.exe	Windows-based tool, shows who is connected to shared directories.
ntcard.hlp	Describes settings for hardware supported under Windows NT.
ntdetect.com	NTDETECT.COM with Debug switch turned on, which displays hardware detected during Windows NT startup.
oemnsvkt.inf	Information file for AppleTalk Protocol and Services for Macintosh Administrator Tools setup.
os2api.txt	List of compatible APIs in the OS/2 subsystem.
perfmr.exe	Command-line utility, provides performance information.
perms.exe	Command-line utility, shows what access a particular user has to certain files.
pmon.exe	Command-line utility, shows process statistics.
posix.wri	Help text for the POSIX utilities.
pstat.exe	Command-line utility, shows process statistics. Useful for debugging problems.
pth2com.dll	Support file for NET2COM.EXE.
pviewer.exe	Windows-based tool, shows the processes running in the system and allows ending processes and boosting priority.
qslice.exe	Windows-based tool, shows the amount of CPU used by each process in the system.
rasusers.exe	Command-line utility, lists all RAS users.
readme.wri	This README for the Resource Kit.
regback.exe	Command-line utility, backs up Registry hives to files without use of tape.

regentry.hlp	Database of Registry entries.
regentry.ind	Support file for REGENTRY.HLP.
regini.exe	Command-line utility, makes changes to the Registry based on a script. Good for Setup programs.
regrest.exe	Command-line utility, restores Registry hives from files.
regtogrp.exe	Creates a Windows NT .GRP file in the current directory for each of your Program Manager groups. (Must be used with GRPTOREG.EXE.)
restfile.exe	Support file for Computer Profile Setup.
restkeys.exe	Support file for Computer Profile Setup.
remote.exe	Command-line utility, provides remote Command Line.
remove.bat	Batch file for removing FTP Server performance counters.
repair.exe	Command-line utility, updates the emergency disk. Scans for new files and updates the hives.
rktools.hlp	Help file for all the Resource Kit utilities.
rm.exe	Remove (DEL substitute); POSIX utility.
rmdir.exe	Remove Directory (RD substitute); POSIX utility.
schemes.cpl	Control Panel tool for storing and choosing groups of cursors, rather than one at a time.
scopy.exe	Command-line utility, moves files on NTFS partitions with security intact.
sfmapi.dll	Support file for Services for Macintosh Administrator Tools.
sfmatalk.sys	Support file for AppleTalk Protocol.
sfmatcfg.dll	Support file for AppleTalk Protocol.
sfmatmsg.dll	Support file for AppleTalk Protocol.
sfmmgr.cpl	Support file for Services for Macintosh Administrator Tools.
sfmmgr.hlp	Support file for Services for Macintosh Administrator Tools.
sfmutil.dll	Support file for Services for Macintosh Administrator Tools.
sfmwshat.dll	Support file for AppleTalk Protocol.
sh.exe	Shell (COMMAND substitute); POSIX utility.
shared32.ini	Sample SHARED32.INI file for customizing Microsoft Mail and Microsoft Schedule+.
sleep.exe	Command-line utility, waits for a specified amount of time. Useful in batch files.
smbtrace.exe	Command-line utility, traces SMB packets.
smi.mib	MIB source file.
snmputil.exe	Command-line browsing utility, lets you get SNMP information from an SNMP host on your network.
srvmgr.exe	Windows-based tool, allows remote administration of computers.
srvmgr.hlp	Help for Server Manager.
topdesk.exe	Windows-based tool, allows multiple desktops.
topdesk.hlp	Support file for TOPDESK.EXE.
tophook.dll	Support file for TOPDESK.EXE.
touch.exe	Change Date; POSIX utility.
trouble.hlp	Resource Guide Troubleshooting Flowcharts in Help file format.
trouble.ind	Support file for TROUBLE.HLP.
uconvert.exe	Windows-based tool, converts Unicode text to ANSI.
unlodctr.exe	Support file for FTP Server performance counters.
upedit.exe	Windows-based tool, allows changing the default and system profiles.
upedit.hlp	Help for User Profile Editor.
uploadprf.exe	Support file for Computer Profile Setup.
uploadps2.bat	Support file for Computer Profile Setup.
usrmgr.exe	Windows-based tool, allows remote administration of security.
usrmgr.hlp	Help for User Manager.

Windows NT Resource Kit README.WRI -- Page 14

vi.exe	Visual (EDIT substitute); POSIX utility.
wc.exe	Word Count; POSIX utility.
winat.exe	Windows NT-based Command Scheduler.
winat.hlp	Help for WINAT.EXE.
windiff.exe	Windows-based tool, shows the differences between two files or directories.
winntp.exe	Computer Profile Setup, allows easy set up of multiple computers.
winvtp.exe	Windows-based communications tool that can work with Net2Com.

## Animated Cursor Files

The animated cursor files are those with .ANI and .CUR file extensions.

### To copy cursor files to your hard disk:

\* Insert the Windows NT Resource Kit compact disc in the CD-ROM drive and type:

```
expand -r cd_driveletter:\I386\*.an_ %systemroot%\system32 or  
expand -r cd_driveletter:\MIPS\*.an_ %systemroot%\system32 or  
expand -r cd_driveletter:\ALPHA\*.an_ %systemroot%\system32
```

and then type:

```
expand -r cd_driveletter:\I386\*.cu_ %systemroot%\system32 or  
expand -r cd_driveletter:\MIPS\*.cu_ %systemroot%\system32 or  
expand -r cd_driveletter:\ALPHA\*.cu_ %systemroot%\system32
```