Appendix
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This appendix contains information about the Windows 3.1 installation disks and tips for minimizing the amount of disk space that Windows takes on your system, beginning with removal of components through Windows Setup.

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The Windows 3.1 Installation Disk Set

The Windows 3.1 installation disks are available in 360K, 720K, 1.2 MB, and 1.44 MB sizes. See README.WRI on the Windows Resource Kit disk for a complete list of files that includes:

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Minimizing the Windows "Footprint"

This section describes how to minimize the Windows "footprint," descreasing the amount of space that Windows takes on your hard disk. If you follow these steps, you can minimize the space that Windows takes on your hard disk to as low as 2.6 MB. For details about the files described here, see Chapter 3, "The Windows 3.1 Files."

Removing Windows Accessories, Drivers, and Fonts

If you want to remove files from Windows, begin with the Windows utilities, then remove unused drivers and fonts. The following steps will reduce the Windows footprint to about 5.6 MB.

To remove Windows components:

1.

2.

3.

To remove unnecessary drivers:

1.

2.
you do not use, then choose Remove.

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3.
don't use, then choose Remove.

These steps remove the references to the device driver or the printer driver, but the driver file may still exist on your disk. To delete the files, run File Manager and delete the associated .DRV file.

Also, some printers have related supporting files and help files. For example, the HP Laserjet IIISi driver uses the font installer files FINSTALL.DLL and FINSTALL.HLP. You can delete these files if you remove that printer. For details about which .DRV files and support files are associated with drivers and printers, see Chapter 3, "The Windows 3.1 Files."

To remove unused fonts:

1.
icon.

2.

3.
Remove.

4.

Removing Other Files

After you complete the steps in the previous section, there are still some files you can manually delete from Windows. These files are grouped below by function. Be careful when deleting these files. Pay attention to the side effects described in the notes.

Removing Other Accessories

After you use the Windows Setup program to remove the accessories, other accessory files remain that can be deleted. Deleting the following files will decrease the Windows footprint by 565K.

Files for other accessories that can be removed

CLIPBRD.EXE
the information stored on the Clipboard.

MSD.EXE
MSD.INI

PIFEDIT.EXE
create program information files to support non-Windows applications.

PRINTMAN.EXE
Windows cannot spool your print jobs.

SYSEDIT.EXE

TASKMAN.EXE
press CTRL+ESC.

WRITE.EXE
WRITE.HLP

Removing Support for Standard Mode

If you run Windows in 386 enhanced mode, and never run Windows in standard mode, there are additional files you can delete. Deleting the following files will decrease the Windows footprint by 183K.

Files for standard mode support that can be removed

DOSX.EXE

DSWAP.EXE
applications.

KRNL286.EXE
and higher PCs with less than 2 MB of RAM.

WINOLDAP.MOD
Windows applications.

WSWAP.EXE

*.2GR
display driver installed. For example, for VGA.DRV, this file is VGACOLOR.2GR.

Note

Removing Support for 386 Enhanced Mode

If you run Windows only in standard mode, and never in 386 enhanced mode, you can delete additional files. Deleting the following files will decrease the Windows footprint by 781K.

Files for 386 enhanced mode support that can be removed

CGA40WOA.FON
CGA80WOA.FON
EGA40WOA.FON
EGA80WOA.FON

CPWIN386.CPL
Control Panel.

DOSAPP.FON
enhanced mode.

*.3GR
on the display driver installed. For example, for VGA.DRV, the grabber
file is VGA.3GR.

*.386

WIN386.EXE

WIN386.PS2

WINOA386.MOD
Windows applications.

Note
Deleting any of the above files disables 386 enhanced mode Windows.

Removing Support for Non-Windows Applications

If you are running only Windows-based applications, and will never run
non-Windows applications, you can delete the files that support these
applications. Deleting the following files will decrease the Windows
footprint by 250K.

Files for non-Windows application support that can be removed

*.PIF

APPS.INF

CGA40WOA.FON
CGA80WOA.FON
EGA40WOA.FON
EGA80WOA.FON

*.2GR, *.3GR
files.The actual filenames depend on the display driver installed. For
example, for VGA.DRV, the grabber files are VGACOLOR.2GR and
VGA.3GR.

DOSAPP.FON
enhanced mode.

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DSWAP.EXE
applications.

WINOLDAP.MOD
Windows applications.

WINOA386.MOD
Windows applications.

Note
based applications, including the MS-DOS Prompt.

Removing Support for Help Files

You can delete the online help files. Deleting the following files decreases
the Windows footprint by 421K.

Files for the Windows Help system that can be removed

CONTROL.HLP

SETUP.HLP

WINHELP.EXE

Note
Windows applications.

Removing Miscellaneous Files

Several other files that you can remove are shown in the following table.
Deleting these files will decrease the Windows footprint by 340K.

Miscellaneous files that can be removed

AUTOEXEC.WIN
for

CONFIG.WIN

BOOTLOG.TXT
Windows boot procedure.

EMM386.EXE
and if you do not need EMS memory for non-Windows applications, you
can delete this file.

MORICONS.DLL
non-Windows applications.

MOUSE.INI
MOUSE.SYS
MOUSE.COM
LMOUSE.COM

RAMDRIVE.SYS
You can delete this file if it is not loaded in your CONFIG.SYS file.

SETUP.TXT

Creating the Minimum Windows Footprint

By removing all of the following kinds of files, you can create the
minimum Windows footprint. With this minimum footprint, Microsoft
Windows will run only in standard mode, requiring 2.6 MB of disk space:

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Appendix C   The Windows 3.1 Disks and Files

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