

## Appendix C

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.

### Contents of this appendix

The Windows 3.1 Installation Disk Set

Minimizing the Windows “Footprint”

Removing Windows Accessories, Drivers, and Fonts

Removing Other Files

Creating the Minimum Windows Footprint

### 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:

- .
- .
- .

### Minimizing the Windows “Footprint”

This section describes how to minimize the Windows “footprint,” decreasing 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.

### Windows Resource Kit

## Appendix C The Windows 3.1 Disks and Files

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.

SYSEEDIT.EXE

TASKMAN.EXE

press CTRL+ESC.

WRITE.EXE

WRITE.HLP

## Appendix C The Windows 3.1 Disks and Files

### 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.

Windows Resource Kit

## Appendix C The Windows 3.1 Disks and Files

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:

.  
.  
.

Windows Resource Kit



## Appendix C The Windows 3.1 Disks and Files

- 
- 
- 
- 
-