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**HP Software Vendor**

# **Application Vending Tips**



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# HP Software Vendor Application Vending Tips

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## Introduction

The *HP Software Vendor Application Vending Tips* is a guide for installing several industry-leading PC applications using HP Software Vendor. This collection of tips, used in conjunction with the *HP Software Vendor Administrator's Guide*, lets you quickly and successfully package and install these PC applications.

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### Note

Complete documentation for the Package Definition File (PDF) commands is in the *HP Software Vendor Administrator's Guide*.

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### Note

You are encouraged to use the license tracking feature of HP Software Vendor to ensure compliance with software licensing legal requirements.

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### Audience

Administrative personnel responsible for PC software installation and hardware tracking are the primary users of *HP Software Vendor Application Vending Tips*.

## Installation PC

The application installations described in this guide were performed using the following hardware and software:

Vectra RS/20C

VGA Monitor

Two hard disk drives, C: and D:

One 1.2 Mbyte flexible disk drive

3 MBytes of memory

MS-DOS 3.3

Microsoft Windows 3.0

## HP LAN Manager Client

### Installation Steps

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**Note**

Review the README file in the root directory of the HP Software Vendor installation disk for the latest installation tips and issues.

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Here are the general steps you perform for each application that will be vended by HP Software Vendor:

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**Note**

First, the application must be installed from the diskettes to either the Administrator PC hard disk or a network directory. If first installed to the hard disk, the application's entire file structure must then be copied to a network directory. Then the application is vended from the network directory to client PCs. For consistency, all examples in this guide show initial installations on the hard disk.

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**Caution**

The COPY command in PDFs cannot copy null subdirectories and will terminate with an error. Each subdirectory being installed must contain at least one file.

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1. Have a copy of the *HP Software Vendor Administrator's Guide* available.
2. Print a copy of your CONFIG.SYS and AUTOEXEC.BAT files.
3. Print a copy of your file and directory structure using the MS-DOS TREE utility or other file management software.
4. Review the application's installation or user guide.
5. Install the application on your local hard disk or on a network directory.

6. After installing the application, review your disk environment to identify and note changes to CONFIG.SYS and AUTOEXEC.BAT files, new files added in the root directory, and any subdirectories created by the installation process. Then run the application to finish any setup or configuration steps required for each unique end user environment. During this step, you should assign printer and monitors, define default page layouts for word processors, and complete other configuration steps.

## Note

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The examples in this guide make some of the configuration changes needed by the applications. They are not complete. You should review your disk environment after the installation so that you can perform the configuration changes appropriate for your business needs.

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7. Copy the installed application to a network directory.
8. Create a package definition file (PDF) for each unique end user environment receiving the application. The PDF contains the commands HP Software Vendor uses to install the software. Create the PDF using the MANAGER Create Package data window, a word processor or a text editor.  
**Any application that creates a flat ASCII file can be used to build the PDF.**
9. Refer to the *HP Software Vendor Administrator's Guide* for instructions about adding this package to the MANAGER database and vending the application to the end users' PC.
10. Restart the end user PC after vending to activate any changes to the CONFIG.SYS or AUTOEXEC.BAT file. Run the application to verify the installation.



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**Note**

Hewlett-Packard (HP) applications may include PDFs to assist you with installation. Review the product manuals and disks for information about included PDFs. For example, HP NewWave Access supplies a batch utility to copy it to the network directory and the PDF to install it to client PCs. The README file provides the instructions.

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**Note**

The NOCASE command is the default for PDFs and can be omitted. It was included in these examples for clarity.

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## Microsoft Windows 3.0

### Preparation Steps

Read chapter 1 and appendix A of the *Microsoft Windows User's Guide*.

### Note

Windows 3.0 will only run in *real* mode if the PC has less than one MByte of memory available (640KBytes of conventional memory and 256KBytes of extended memory). MS-DOS or PC-DOS version must be 3.1 to 4.01. Six to eight MBytes of hard disk space is required.

### Installation Steps

1. Insert the Windows Disk1 in drive A:.
2. Run the Windows Setup program to install Windows on your local hard disk.
3. Customize Windows by choosing the appropriate printer, monitor, and keyboard.
4. Connect to a network directory. For example with HP LAN Manager:

```
NET USE X: \\servername\sharename password
```

5. Use the MS-DOS XCOPY or COPY utility to copy the installed application to the network directory using the same file and directory names.

### Package Development

Only one PDF is needed to install the main application files for Windows 3.0.

This is the directory structure after the Windows 3.0 installation and PDF creation:

Subdirectories:

\SYSTEM—contains display drivers and fonts

Create the following package definition file:

## WINDOWS.PDF

The file is illustrated below. Text preceded by semicolons are comments.

## WINDOWS.PDF

```
;Standard package installation is done completely via HP Software Vendor
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the Windows 3.0 installation to drive C:\WINDOWS
TARGET_PATH C:\WINDOWS
MD %TARGET_PATH%
MD %TARGET_PATH%\SYSTEM
;
;copy files in \WINDOWS & subdirectories to hard disk subdirectories
;
COPY %SOURCE_DRIVE%%SOURCE_DIR%\WINDOWS\*. * %TARGET_PATH%\*. *
COPY %SOURCE_DRIVE%%SOURCE_DIR%\WINDOWS\SYSTEM\*. * %TARGET_PATH%\SYSTEM\*. *
;
;Update CONFIG.SYS with files and buffer data
MODVALUE %SYSTEM_DRIVE%\CONFIG.SYS FILES 40 >
MODVALUE %SYSTEM_DRIVE%\CONFIG.SYS BUFFERS 15 >
;
;Add lines to CONFIG.SYS for HP MOUSE and SMARTDRIVE
ADDLINE %SYSTEM_DRIVE%\CONFIG.SYS "DEVICE=C:\WINDOWS\MOUSEHP.SYS /Y" END
ADDLINE %SYSTEM_DRIVE%\CONFIG.SYS "DEVICE=C:\WINDOWS\SMARTDRV.SYS 1024 256 /A"
END
;
;Add path to existing PATH string in AUTOEXEC.BAT file or set new PATH
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
;Test if copy was successful
PRESENT %TARGET_PATH%\WIN.INI
PRESENT %TARGET_PATH%\SYSTEM\WIN.CNF
;
;End of Windows 3.0 installation
```

## Package Options

If you need to customize the printer, monitor, or keyboard configurations for individual PCs, install Windows using HP Software Vendor as usual. However, you may need to use the Windows 3.0 flexible disks to allow the Windows Setup program to access other driver files when prompted.

You can use the MS-DOS XCOPY or COPY command to copy each Windows 3.0 flexible disk to a network directory. For example, make flexible disk 1 correspond to a directory called DISK1 on the network directory. Anytime the Windows Setup program prompts you to insert a disk into drive A:, you can redirect the source disk by entering X:\DISK1 (DISK2, and so on) to complete printer, monitor, or keyboard changes without the flexible disks.



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## Microsoft Word for Windows 1.1

### Preparation Steps

Read the *Microsoft Word for Windows: Installation Guide*.

### Note

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According to the Microsoft Word for Windows 1.1 cover letter (0790 Part No. 17364), "To run the version 1.1 update, you'll need a full copy of Microsoft Windows version 3.0 and at least one MByte of memory. One to two MBytes are recommended and essential if you plan to use Microsoft Word for Windows with another application...."

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### Installation Steps

The following steps are an example of a typical Word for Windows installation.

1. Windows 3.0 is assumed to be installed on your local hard disk.
2. Insert the Word for Windows setup disk into drive A:.
3. Run the Word for Windows Setup program to install Word for Windows on your local hard disk. In this example, the Word application is installed in C:\WINWORD. The standard installation is followed by these user options.
4. Choose any Conversion options for converting documents from other word processors to Word for Windows documents. Each conversion requires 100KBytes of disk space.
5. Choose any Graphic Filter options that allow the opening of graphics created with other applications.
6. Choose whether you want the Tutorial option (requires 1.2MByte of disk space).

7. Choose Printer Driver options supported by Word for DOS version 4.0, but not for Windows.
8. Choose whether or not you want Symbol Fonts for your documents.
9. After installing Word for Windows, run it. Reply to the prompt for a user name by entering a generic name. Then, use the HP Software Vendor MANAGER to update the license count.
10. Connect to a network directory. For example, with HP LAN Manager:

`NET USE X: \\servername\sharename password`

11. Use the MS-DOS XCOPY or COPY utility to copy the installed software to the network directory using the same file and directory names.

## **Package Development**

Two package definition files (PDFs) are available for Word for Windows. One package installs the main application files and the Online Tutorial. The second package installs the PCL Symbol Fonts.

This is the directory structure after the Word for Windows installation and creation of the two PDFs:

Path:

```
\WINWORD
\PCLFONTS
```

Subdirectories:

```
\WINWORD.CBT—Online Tutorial application files
\LIBRARY—A directory of sample documents
```

Create the following package definition file:

```
WINWORD.PDF
```

The package definition file is shown below. Lines preceded by semicolons are comments.

## WINWORD.PDF

```
;Standard package installation is done completely via HP Software Vendor
;The installation will not interact with the screen
;
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the Word installation to drive C: in the \WINWORD subdirectory
TARGET_PATH C:\WINWORD
;
;Create the WINWORD directory on the hard disk and all associated
;subdirectories
;
MD %TARGET_PATH%
MD %TARGET_PATH%\WINWORD.CBT
MD %TARGET_PATH%\LIBRARY
;
;Copy all files in \WINWORD and subdirectories to hard disk drive
;and subdirectories. Comment the line which copies the tutorial
;files from \WINWORD.CBT if you do not want the tutorial to be vended
;TARGET_PATH is abbreviated as TP in some of the following examples. Either
;form is valid
;
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\WINWORD\*. * %TARGET_PATH%\*. *
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\ WINWORD\WINWORD.CBT\*. * %TP%\WINWORD.CBT\*. *
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\WINWORD\LIBRARY\*. * %TP%\LIBRARY\*. *
;
;Update the CONFIG.SYS & AUTOEXEC.BAT files on end-user PC, if needed
;
;Add path for newly installed WINWORD to an existing PATH string in
;AUTOEXEC.BAT, otherwise create a new path string.
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
;
;End of Word for Windows 1.1 installation
```

If the PCL Symbol Fonts are needed, this package will install the necessary files.

### **PCLFONTS.PDF**

```
;Package to install the PCL Symbol Fonts
;Application does not interact with the screen
;
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the installation to drive C: in the PCLFONTS directory
;
TARGET_PATH C:\PCLFONTS
;
;Create the PCLFONTS directory on hard disk
;
MD %TARGET_PATH%
;
;copy the PCL Symbol Font files to the designated drive
COPY %SOURCE_DRIVE%%SOURCE_DIR%\PCLFONTS\*. * %TARGET_PATH%\*. *
;
;End of PCL Symbol Fonts installation
```

### **Package Options**

You can create a program icon for Word for Windows by using Windows 3.0. Start Word for Windows with a mouse by double-clicking on the Word icon in the Program Manager window. For more information on starting applications within Windows, see your Windows manuals.



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## Microsoft Excel for Windows 3.0

### Preparation Steps

Review the installation procedures provided in the Microsoft Excel for Windows documentation.

### Note

Five MBytes of available disk space, DOS 3.0 or later and 640 KBytes of memory are required. For further hardware and system requirements, see the “Hardware and System Configuration” section of the *Microsoft Excel Reference* manual.

### Installation Steps

1. Windows 3.0 is assumed to be installed on your local hard disk.
2. Insert the Excel for Windows setup disk into drive A:.
3. Run the Excel setup installation file from Windows 3.0 by typing:

`\WIN A:\SETUP.EXE`

This installs Excel for Windows on your local hard disk. In this example, the application is installed in C:\EXCEL. The standard installation is followed with some exceptions noted below.

4. A User Name dialog box appears and prompts for a user name. Enter a generic name and use the HP Software Vendor MANAGER to update the license count.
5. Choose the ENABLE button to provide online help for Lotus 1-2-3 users who are not familiar with Microsoft Excel.
6. Choose all necessary Excel options. (Default chooses all options).

7. Following installation, run the application and complete any additional setup or configuration steps.
8. Connect to a network directory. For example, with HP LAN Manager:
 

```
NET USE X: \\servername\sharename password
```
9. Use the MS-DOS XCOPY or COPY utility to move the installed software to the network directory using the same file and directory names.

## Package Development

One package definition file is available for Excel. It installs the main application files.

This is the directory structure after the Excel installation and PDF creation.

Path: \EXCEL

Subdirectories:

<b>XLSTART</b>	Contains two more subdirectories, <b>SOLVER</b> and <b>QEMACRO</b> .
<b>EXCELCBT</b>	Contains the online tutorial and one additional subdirectory, <b>BUDGET91</b> .
<b>LIBRARY</b>	Contains example worksheets and add-in macros.
<b>SOLVEREX</b>	Companion application that improves answers to “what if” questions.
<b>QE</b>	Application to modify database files from various database systems.

Create the following package definition file:

**EXCEL.PDF**

The PDF is illustrated below. Text preceded by semicolons are comments.

**EXCEL.PDF**

;Standard package installation is done completely via HP Software Vendor

```

;
;The installation will not interact with the screen
;
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the Excel for Windows installation to drive C: in the \EXCEL
;directory
TARGET_PATH C:\EXCEL
;
;Create the Excel directory and its associated subdirectories on the
;hard disk
;
MD %TARGET_PATH%
MD %TARGET_PATH%\XLSTART
MD %TARGET_PATH%\XLSTART\SOLVER
MD %TARGET_PATH%\XLSTART\QEMACRO
MD %TARGET_PATH%\EXCELCBT
MD %TARGET_PATH%\EXCELCBT\BUDGET91
MD %TARGET_PATH%\LIBRARY
MD %TARGET_PATH%\SOLVEREX
MD %TARGET_PATH%\QE
;
;Copy all files in \EXCEL and its subdirectories to the hard disk drive
;Use the next 4 lines to install Excel only. Do not comment the lines
;out
;In some of the following commands, TARGET_PATH is abbreviated TP.
;
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\EXCEL\*.* %TARGET_PATH%*.*
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\EXCEL\XLSTART\*.* %TP%\XLSTART\*.*
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\ EXCEL\XLSTART\SOLVER\*.* %TP%\XLSTART\SOLVER\*.*
COPY %SOURCE_DRIVE% %SR%\EXCEL\XLSTART\QEMACRO\*.* %TP%\XLSTART\QEMACRO\*.*
;
;The next commands install the tutorial. Comment them
;out if you do not want the tutorial to be installed
;
;SOURCE_DRIVE is abbreviated as SV in some of the following lines.

```

```

;Either form is valid.
;
COPY %SOURCE_DRIVE%%SOURCE_DIR%\EXCEL\EXCELCBT\*. * %TARGET_PATH%\EXCELCBT\*. *
COPY %SV%%SOURCE_DIR%\EXCEL\EXCELCBT\BUDGET91\*. * %TP%\EXCELCBT\BUDGET91\*. * ;

;The next command installs library information for example worksheets
;and add-in macros. Comment it out if you do not want this
;information
;
COPY %SOURCE_DRIVE%%SOURCE_DIR%\EXCEL\LIBRARY\*. * %TARGET_PATH%\LIBRARY\*. *
;
;The next command installs the MS-EXCEL SOLVER application
;Comment it out if the application is not needed
;
COPY %SOURCE_DRIVE%%SOURCE_DIR%\EXCEL\SOLVEREX\*. * %TARGET_PATH%\SOLVEREX\*. *
;
;The next command installs the MS-EXCEL Q+E application that
;manipulates and updates database files from various database systems.
;Comment it out if the application is not needed
;
COPY %SOURCE_DRIVE%%SOURCE_DIR%\EXCEL\QE\*. * %TARGET_PATH%\QE\*. *
;
;Update AUTOEXEC.BAT on end-user PC
;Add path for newly installed Excel to existing PATH string,
;otherwise create a new path string
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
;
;End of Excel for Windows installation

```

## Package Options

If you create a program icon for Excel for Windows using Windows 3.0, you can start Excel with a mouse by double-clicking on the Excel icon in the Program Manager window. For more information on starting applications within Windows, see your Windows documentation. Here is an alternate way to add a program icon to Windows 3.0.

1. Run Windows to add the Excel for Windows application to the user's existing Windows 3.0 list of applications.
2. Choose the WINDOWS SETUP object under the MAIN group.
3. Choose OPTIONS from the WINDOWS SETUP dialog box and then choose Set Up Applications.
4. The Set Up Application dialog box appear. It allows you to have Windows search for all Windows-compatible applications on various drives. Move the arrow to point to C: DRIVE and choose the OK button.
5. Choose the Excel for Windows applications that have been installed from the network directory, choose the ADD button, and then choose the OK button.

The following Excel application names should appear in the Application Window.

EXCEL  
SOLVER  
TRANSLATOR  
QE

New Objects will be created and placed in an Object group called WINDOWS APPLICATIONS. At this point, exit Windows and save any changes. Excel for Windows is now ready for use on the user's PC.



---

## Microsoft Word 5.0

### Preparation Steps

Read the installation and setup instructions in *Using Microsoft Word* and *Reference to Microsoft Word*.

### Installation Steps

This example illustrates a package definition file (PDF) that vendors the Word 5.0 application, the Learning Word tutorial, and printer drivers for the HP LaserJet and the HP LaserJet 2000.

1. Run the Word Setup program to install Word 5.0 onto your local hard disk. In this example, the Word 5.0 application is installed in C:\WORD5. The installation instructions in the Word manual should be followed with these exceptions:

Use the “H” option for hard disk installation, not “N” for network.

2. To selectively install Learning Word, bypass the “L” option to install Learning Word on the first installation. Repeat the installation and select the “L” option to install Learning Word to a separate subdirectory (WORD5\LRNWORD in this illustration).
3. Note any requests for configuration information such as monitor type, drive ID, directory to use, etc.
4. Following installation, run the application and complete any additional setup or configuration steps.
5. Connect to a network directory. For example, with HP LAN Manager:

```
NET USE X: \\servername\sharename password
```

6. Use the MS-DOS XCOPY or COPY utility to move the installed software to the network directory using the same file and directory names.

```
X:
MD X:\WORD5
XCOPY C:\WORD5\*.* X:\WORD5
```

7. Copy the unique printer driver files (XXXXXXXXX.PRD) to their own subdirectories on the network directory (\WORDLAS & \WORDLJ2K in this example).
8. Copy the MOUSE.SYS file from \WORD5\MOUSE.SYS to the root of the network directory and delete from the \WORD5 subdirectory on the network directory.

---

**Caution**

The Word 5.0 Setup program creates several files with Read Only (R-O) attributes; reinstalling Word 5.0 from the flexible disks to the hard disk may result in a “Access Denied” error condition. Use the MS-DOS ATTRIB command to clear the R-O attributes.

---

**Package Development**

Two package definition files are listed here: WORD.PDF vends the main application files; LRNWORD.PDF vends the Learning Word application. Create the PDFs in the root of the network directory.

This is the structure of the network directory after the file copy and the PDF creation:

```
Root: WORD.PDF—PDF commands to vend Word 5.0
      LRNWORD.PDF—PDF commands to vend Learn Word
      \WORD5—Word 5.0 application files
        \WORD5\LRNWORD—Learning Word tutorial files
        \WORD5\WORDLAS—LaserJet printer driver files
        \WORD5\WORDLJ2K—LaserJet 2000 printer driver files
```

Create the following package definition files:

```
WORD5.PDF
LRNWORD.PDF
```

Each of these files is illustrated below. Lines preceded by a semicolon are comment lines.

### WORD5.PDF

```
;The installation will not interact with the screen
;
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the Word 5.0 installation to drive C: in the \WORD5 subdirectory
TARGET_PATH C:\WORD5
;
;Create the \WORD5 directory on the hard disk if it doesn't exist
;
MD %TARGET_PATH%
;
;copy files in \WORD5 to the designated drive and subdirectory
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\WORD5\*.* %TARGET_PATH%
;
;copy the MOUSE.SYS file to the hard disk root directory
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\MOUSE.SYS %SYSTEM_DRIVE%\
;
;copy HP LaserJet 2000 drivers/font files from \WORDLJ2K
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\WORD5\WORDLJ2K\*.* %TARGET_PATH%
;
;copy HP LaserJet IID drivers/fonts from \WORDLAS
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\WORD5\WORDLAS\*.* %TARGET_PATH%
;
;Update the CONFIG.SYS & AUTOEXEC.BAT files on client PC
;By default add the following DEVICE as last line in CONFIG.SYS
ADDLINE %SYSTEM_DRIVE%\CONFIG.SYS DEVICE=\MOUSE.SYS
;
;Add path for newly installed Word 5.0 to existing PATH string in
;AUTOEXEC.BAT, otherwise create a new path string.
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
```



```
;
;End of Word 5.0 installation
```

### **LRNWORD.PDF**

```
;Package to install the Learning Word software to selected PCs. This PDF is
;used to vend Learning Word to selected PCs. If Learning Word is to be
;vended to all WORD5 end users, the WORD5.PDF should be used
;
;Application does not interact with screen
;
NONINTERACTIVE
;
;Direct the installation to drive C: in the \WORD5 subdirectory
TARGET_PATH C:\WORD5
;
;copy all files from \LRNWORD to into the \WORD5 subdirectory on
;the client PC
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\WORD5\LRNWORD\*. * %TARGET_PATH%
;
;End of Learning Word installation
```

## **Package Options**

### **Printers:**

To selectively install different printers to user PCs, use the “P” option from the Word 5.0 Setup Menu to create a unique subdirectory for each printer model desired. Then create package definition files to selectively install them. The Word 5.0 Setup program has to be rerun for each printer configuration to allow creation of the unique subdirectories on the network directory.

### **Video Display:**

The Word 5.0 installation creates a file named SCREEN.VID when the video option is selected. To create multiple video configurations, copy SCREEN.VID to unique subdirectories for each type of video

monitor to be supported, for example, \WORDEGA,  
\WORDVGA.

This requires performing the Word 5.0 installation for each different video monitor, stopping the installation, copying SCREEN.VID to a uniquely named subdirectory, and repeating the installation for the next monitor type. After all installations are complete, develop the PDFs to install the different options.

---

## Fastback Plus 2.1

### Preparation Steps

Review the installation instructions in the *Fastback Plus 2.1 User's Guide*.

### Installation Steps

1. Run the FBINSTALL program to install Fastback Plus to the C:\FASTBACK directory on your hard disk. Select CONFIG.SYS and AUTOEXEC.BAT files to be updated.
2. Select the flexible disk configuration that applies to the end user PCs and select buffer values for end user PC hard disks
3. If the selected target flexible disks are different than on your PC, do NOT run the hardware test. (During the hardware test, reads/writes from/to the flexible disk are performed, so your flexible disk configuration must agree with the selected disks).
4. If the hardware test is run, the BACKUP/COMPARE CONFIDENCE TEST creates two files with extensions of .FUL and .VOL. Delete these two files from the \FASTBACK subdirectory.
5. Connect to a network directory. For example, with HP LAN Manager:

```
NET USE X: \\servername\sharename password
```

6. Create the \FASTBACK subdirectory and copy files from the hard disk to the network directory:

```
X:  
MD \FASTBACK  
XCOPY C:\FASTBACK X:\FASTBACK /S /V
```

## Package Development

Create a Fastback package definition file in the root of the network directory to vend Fastback to client PCs:

This is the structure of the network directory after the file copy and PDF creation:

Root:FASTBK.PDF—PDF commands to vend Fastback  
    \FASTBACK—Fastback application files

The content of the PDF is illustrated below. Comment lines are preceded by a semicolon.

### FASTBACK.PDF

```
;No screen interaction is required
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the Fastback installation to C:\FASTBACK
TARGET_PATH C:\FASTBACK
;
;Create the Fastback subdirectory if it doesn't exist
MD %TARGET_PATH%
;
;copy all files in \FASTBACK to the designated drive and subdirectory
;
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\FASTBACK\*.* %TARGET_PATH%
;
;Modify CONFIG.SYS to add or modify the BUFFERS value
MODVALUE C:\CONFIG.SYS BUFFERS 25 >
;Add path to existing PATH string in AUTOEXEC.BAT
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
ADDLINE %SYSTEM_DRIVE%\AUTOEXEC.BAT SET FASTBACK=%TARGET_PATH%;
;
;End of Fastback 2.1 installation
```

---

## Lotus 1-2-3 Version 2.01

### Preparation Steps

Review installation instructions for Lotus 1-2-3 version 2.01.

### Note

In this example, HP Software Vendor vends Lotus 1-2-3 so that the Lotus 1-2-3 SYSTEM DISK must be inserted in drive A: to run the program . Protected files are not copied to the hard disk.

### Installation Steps

1. Run the INSTALL program to install Lotus 1-2-3 to the \123 subdirectory on your local hard disk.
2. Select NO for the option to run Lotus 1-2-3 from your hard disk without using the system disk in drive A.
3. Create additional video and printer options by creating multiple 123.SET files and store each unique 123.SET file in a separate subdirectory. Different package definition files can be created to vend different configurations of Lotus 1-2-3.
4. After installation to your local hard disk, create the standard configuration by running Lotus 1-2-3 and selecting /WGD.
5. Connect to a network directory. For example, with HP LAN Manager:

```
NET USE X: \\servername\sharename password
```

6. Create a \123 subdirectory and copy files from the hard disk to the network directory:

```
X:  
MD \123  
XCOPY C:\123 X:\123 /S /V
```

## **Package Development**

Create a Lotus 1-2-3 package definition file in the root of the network directory to vend Lotus 1-2-3 to client PCs:

This is the structure of the network directory after the file copy and PDF creation:

Root: LOTUS201.PDF—PDF commands to vend Lotus 1-2-3 to end user PCs  
    \123—123 application files

The content of the PDF is illustrated below. Comment lines are preceded by a semicolon.

### **LOTUS201.PDF**

```
;No screen interaction is required
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the LOTUS 1-2-3 installation to C:\123
TARGET_PATH C:\123
;
;Create the LOTUS 1-2-3 subdirectory if it doesn't exist
;
MD %TARGET_PATH%
;
;copy all files in \123 to the designated drive and subdirectory
;
COPY %SOURCE_DRIVE%%SOURCE_DIR%\123\*.* %TARGET_PATH%
;
;Update AUTOEXEC.BAT on the system drive if not already updated
;Add path for newly installed LOTUS 1-2-3 to existing PATH string in
;AUTOEXEC.BAT, otherwise create a new path string.
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
;
;End of LOTUS 1-2-3 installation
```

---

## Harvard Graphics Version 2.12

### Preparation Steps

Review the installation instructions in the *Harvard Graphics User's Guide*.

Review Appendix B of the *Harvard Graphics 2.12* manual for information regarding memory requirements.

### Installation Steps

1. Create the \HG subdirectory on your local hard disk.
2. Run the INSTALL program on the utility disk to install Harvard Graphics 2.12 to the C:\HG
3. Run SETUP from the C:\HG subdirectory to set your standard end user configurations. This allows setting the printer, plotter, and video monitor before installing to your end users' PCs. Running SETUP will create the HG.CNF file in the C:\HG directory.
4. Connect to a network directory. For example, with HP LAN Manager:

```
NET USE X: \\servername\sharename password
```

5. Create \HG subdirectory and copy files from the hard disk to the network directory:

```
X:  
MD \HG  
XCOPY C:\HG X:\HG /S /V
```

### Package Development

Create a Harvard Graphics package definition file in the root of the network directory to vend Harvard Graphics to client PCs:

This is the structure of the network directory after the file copy and PDF creation:

Root: HG.PDF—PDF commands to vend Harvard Graphics 2.12  
  \HG—Harvard Graphics application files

The content of the PDF is illustrated below. Comment  
lines are preceded by a semicolon.

### HG.PDF

```
;No screen interaction is required
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the Harvard Graphics 2.12 installation to C:\HG
TARGET_PATH C:\HG
;
;Create the HG subdirectory if it doesn't exist
;
MD %TARGET_PATH%
;
;copy all files in \HG to the designated drive and subdirectory
;
COPY %SOURCE_DRIVE%%SOURCE_DIR%\HG\*. * %TARGET_PATH%
;
;Update AUTOEXEC.BAT on the system drive if not already updated.
;
;Add path to existing PATH in AUTOEXEC.BAT, otherwise create a new PATH
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
ADDLINE %SYSTEM_DRIVE%\AUTOEXEC.BAT SET HG=%TARGET_PATH%;
;
;End of Harvard Graphics 2.12 installation
```



---

## WordPerfect Version 5.0

**Preparation Steps** Review the installation instructions in the *WordPerfect 5.0 User's Guide*.

**Installation Steps**

1. Run the Installation steps as defined in the "Installation" chapter of the *WordPerfect User's Guide*. Include the printer selection steps. Install in the \WP50 subdirectory on your local hard disk.
2. Use the SETUP feature of WordPerfect 5.0 to establish default settings that will be in effect on the end user PCs.

3. Connect to a network directory. For example, with HP LAN Manager:

```
NET USE X: \\servername\sharename password
```

4. Use the MS-DOS XCOPY or COPY utility to move the installed software to the network directory using the same file and directory names.

```
X:
```

```
MD X:\WP50
```

```
XCOPY C:\WP50 X:\WP50 /S /V
```

**Package Development** Create a WordPerfect package definition file (PDF) in the root of the network directory to vend WordPerfect 5.0 to end users' PCs:

This is the structure of the network directory after the file copy and PDF creation:

Root: WP50.PDF—PDF commands to vend WordPerfect 5.0 and Learn—WordPerfect  
    \WP50—WordPerfect application files  
    \WP50\LEARN—WordPerfect Learn tutorial files

The PDF is illustrated below. Comment lines are preceded by a semicolon.

### WP50.PDF

```
;The installation will not interact with the screen
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the WordPerfect 5.0 installation to C:\WP50
TARGET_PATH C:\WP50
;
;Create the \WP50 and \LEARN subdirectory on the hard disk if it
;doesn't exist
;
MD %TARGET_PATH%
MD %TARGET_PATH%\LEARN
;
;copy files in \WP50 to the designated drive and subdirectory
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\WP50\*. * %TARGET_PATH%
COPY %SOURCE_DRIVE%\%SOURCE_DIR%\WP50\LEARN\*. * %TARGET_PATH%\LEARN\
;
;NOTE: A separate PDF can be created to vend LEARN WordPerfect to
;selected user PCs if desired
;
;By default add the following as the last line in CONFIG.SYS
MODVALUE %SYSTEM_DRIVE%\CONFIG.SYS FILES 20 >
MODVALUE %SYSTEM_DRIVE%\CONFIG.SYS BUFFERS 5 >
;
;Add path to the PATH string in AUTOEXEC.BAT, otherwise create a PATH string
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
;
;End of WordPerfect 5.0 installation
```



---

## **dBASE IV 3.1 Developers Edition**

**Preparation Steps**      Review the installation instructions for dBASE IV.

### **Installation Considerations**

- 450KBytes of available memory is required for installation.
- Any versions of dBASE should be uninstalled from your hard disk prior to installation.
- The “FULL”, Single User installation option was used for this illustration. 6.5 MBytes of disk space is required.

### **Installation Steps**

1. dBASE IV application is installed into C:\DBASE subdirectory Use the default directory names during the installation.
2. Run DBSETUP on your local hard disk to establish default values such as printers and video displays.
3. Connect to a network directory. For example, with HP LAN Manager:

```
NET USE X: \\servername\sharename password
```

4. Create the \DBASE subdirectory and copy files from the hard disk to the network directory:

```
X:  
MD \DBASE  
XCOPY C:\DBASE X:\DBASE /S /V
```

## Package Development

Create a dBASE IV package definition file in the root of the network directory to vend dBASE IV to end users' PCs:

This is the structure of the network directory after the file copy and PDF creation:

```
Root: DBASE.PDF—PDF commands to vend DBASE IV
      \DBASE—DBASE IV application files
          \DBASE\DBTUTOR—DBASE tutorial files
          \DBASE\DTL—DBASE data language tools
          \DBASE\SAMPLES—DBASE sample databases
          \DBASE\SQLHOME—SQL tools
```

The content of the PDF is illustrated below. Comment lines are preceded by a semicolon.

### DBASE.PDF

```
;No screen interaction is required
NONINTERACTIVE
NODUP
NOCASE
;
;Direct the dBASE IV 3.1 installation to drive C: in the
;\DBASE subdirectory
TARGET_PATH C:\DBASE
;
;Create the DBASE subdirectories if they don't exist
;
MD %TARGET_PATH%
MD %TARGET_PATH%\DBTUTOR
MD %TARGET_PATH%\DTL
MD %TARGET_PATH%\SAMPLES
MD %TARGET_PATH%\SQLHOME
;
;copy all DBASE files to the designated drive and subdirectory
;
```

```

COPY %SOURCE_DRIVE%%SOURCE_DIR%DBASE\*. * %TARGET_PATH%
COPY %SOURCE_DRIVE%%SOURCE_DIR%DBASE\DBTUTOR\*. * %TARGET_PATH%DBTUTOR
COPY %SOURCE_DRIVE%%SOURCE_DIR%DBASE\DTL\*. * %TARGET_PATH%DTL
COPY %SOURCE_DRIVE%%SOURCE_DIR%DBASE\SAMPLES\*. * %TARGET_PATH%SAMPLES
COPY %SOURCE_DRIVE%%SOURCE_DIR%DBASE\SQLHOME\*. * %TARGET_PATH%SQLHOME
;
;Update CONFIG.SYS and AUTOEXEC.BAT on the system drive if not already
;updated.
;modify CONFIG.SYS to update files and buffers
;
MODVALUE %SYSTEM_DRIVE%\CONFIG.SYS FILES 40 >
MODVALUE %SYSTEM_DRIVE%\CONFIG.SYS BUFFERS 15 >
;
;Add path for newly installed dBASE IV 3.1 to existing PATH string
;in AUTOEXEC.BAT, otherwise create a new path string.
;
ADDPATH %SYSTEM_DRIVE%\AUTOEXEC.BAT PATH %TARGET_PATH% END
ADDLINE %SYSTEM_DRIVE%\AUTOEXEC.BAT SET DBASE=%TARGET_PATH%;
;
;End of dBASE IV 3.1 Developer's Edition installation

```

---

## HP NewWave Access Version A.03.00

### Preparation Steps

This vending tip demonstrates the vending of an application by using the installation program provided with the application.

HP NewWave Access provides a utility to copy the application files to a network directory. Multiple PDFs are included to complete the vending process.

Review the README.TXT file in the root file of the HP NewWave Access #1 product disk.

### Installation Considerations

HP NewWave 3.0 must exist on the end user PCs prior to installation. The installation files will call NewWave to accomplish the NewWave Access installation.

### Installation Steps

- Connect to your network directory. For example with HP LAN Manager:

```
NET USE X: \\servername\sharename password
```

- Copy the NewWave Access file to the network directory with the included COPYFILE.BAT utility. Follow the screen prompts to complete the installation.

This is the structure of the network directory files after completion of the COPYFILE function:

```
\NWACCESS  
\NWACCESS\DOC  
\NWACCESS\HPNWDATA  
\NWACCESS\HPNWDATA\NWACCESS  
\NWACCESS\HPNWDOS  
\NWACCESS\HPNWPROG  
\NWACCESS\HPNWPROG\NWACCESS
```

\NWACCESS\ICON  
\NWACCESS\IN\$  
\NWACCESS\INSTALL  
\NWACCESS\SWVENDOR

The following PDF files are in the network directory  
\NEWWAVE\SWVENDOR.

NWABOTH.PDF—Install NewWave Access and tutorials  
NWAONLY.PDF—Install NewWave Access without tutorials  
NWATUTOR.PDF—Install NewWave Access tutorial

**Note**

---

The PDF files assume that there is only one NewWave 3.0 installation per user and uses the first HPOMF.INI file found as the one to guide the installation.

---

**Note**

---

When you use HP Software Vendor to install NewWave Access, you must exit NewWave to continue vending.

---

The content of the PDFs are illustrated below.  
Comment lines are preceded by a semicolon.

**NWABOTH.PDF**

```
*****  
;* This PDF file installs "HP NewWave Access" and its tutorial.  
*****  
;  
INTERACTIVE  
*****  
; This next commands runs the SETUP utility and script that  
; performs the file copies. The final command invokes NewWave  
; which completes the NewWave Access installation.  
*****  
;  
RUN ..\INSTALL\INSTALLA NWABOTH.TXT  
NRUN CALLNW
```

## NWAONLY.PDF

```
*****
;* This PDF file installs "HP NewWave Access" without its tutorial.
*****
INTERACTIVE
*****
; This next commands runs the SETUP utility and script that
; performs the file copies. The final command invokes NewWave
; which completes the NewWave Access installation.
*****
;
RUN ..\INSTALL\INSTALLA NWAONLY.TXT
NRUN CALLNW
```

## NWATUTOR.PDF

```
*****
;* This PDF file installs "HP NewWave Access" tutorial only.
*****
INTERACTIVE
*****
; This next commands runs the SETUP utility and script that
; performs the file copies. The final command invokes NewWave
; which completes the NewWave Access installation.
*****
;
RUN ..\INSTALL\INSTALLA NWATUTOR.TXT
NRUN CALLNW
```



