XEROX

GLOBALVIEW for Microsoft Windows

Installation Guide

for Version 2.1

Xerox GLOBALVIEW Applications
January, 1996

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Changes are periodically made to this document. Changes, technical inaccuracies, and typographical errors will be corrected in subsequent editions.

Contents

INSTALL ·

1.   Preparing for installation

This installation guide contains the information you need to install GLOBALVIEW for Microsoft Windows (GVWin). The instructions cover the following areas:

- Preparing for installation—chapter 1
- Checking hardware and software requirements—chapter 2
- Installing Document Services network access—chapter 3
- Installing GLOBALVIEW—chapter 4
- Starting GLOBALVIEW—chapter 4
- Obtaining sample files, tutorial files, and downgraders—chapter 4
- Adding more GLOBALVIEW applications—chapter 4
- Changing the GLOBALVIEW configuration—chapter 4
- Upgrading or reinstalling software—chapter 4
- Changing the reserved disk size—chapters 4 and 5
- Placing installation files on PC network—chapter 4
- Using the GV Admin tool—chapter 5
- Troubleshooting—Appendix B
- Changing system files for various network configurations—Appendixes A, C, D, E, F, G, and H

Xerox software is designed for multinational use, so you might see settings that differ slightly from those in this manual. The software works the same way, despite minor differences.

Preparing for installation

Before you begin GLOBALVIEW installation, you need to complete the tasks described in this section.

Get registration codes During installation you will be asked to enter the registration code for each GLOBALVIEW package you install. The code is on the Registration Card inside each package's registration envelope.

Check requirements Check your hardware and software against the requirements in chapter 2, "Checking hardware and software requirements."

Plan your disk space Check the space on your computer's hard drive. You need to have space for:

- **GVWIN directory**—Holds the Basic GLOBALVIEW software files that are in PC format. The files require 20.0 Megabytes (MB) of disk space.

- **PSFONTS directory**—If you install PS fonts, an additional 1.9 MB is required.

- **TTFONTS directory**—When you install LP Windows Printing, this directory is created on your C drive and requires 1.8 MB of disk space. Before you use the LP Windows Printing application, the fonts in this directory must be registered with the Windows system. After you start GLOBALVIEW, you can move this directory to another location.

  ✦ **Note:** Use the Fonts applet in Windows Control Panel icon to register the True Type fonts. After the fonts are registered to the Windows system, you can remove or move this directory if additional space is needed on the C drive.✦

- **Reserved disk**—Holds all GLOBALVIEW application files and all data files in all workspaces. The minimum practical size is 50 MB. Reserving 80 MB or 100 MB is recommended, as this allows more files in the workspace. See Table 1-2 for software package sizes.

- **Temporary space for install**—6.2 MB (6200 Kb) of space outside the reserved disk will temporarily be required.

Within the reserved disk, double the application space is required while the software is being uncompressed during the installation.

Table 1-1. **Planning disk space requirements**

Item requiring disk space	Disk space
Space outside the reserved disk:	
- Basic software in GVWIN directory (includes conversion filters)	20.0 MB
- Additional space if you use PS Fonts in the PSFONTS directory	1.9 MB
- Additional space if you use LP Windows Printing and the fonts in the TTFONTS directory	1.8 MB
Reserved disk (recommended practical size)	60 MB
Temporary space outside reserved disk during installation	6.2 MB

During installation, you are able to see the disk space required for applications before you install them. If your computer has limited disk space and you set a small reserved disk size, watch space requirements carefully.

Table 1-2 shows the reserved disk space required by all software applications in the GLOBALVIEW packages. During Custom installation, you can elect not to install some of the applications within a package.

Table 1-2.   **Software package disk space requirements**

Software package	Disk space
GV WorksPlus Font Supplement	21.6 MB 6.7 MB
Document Access Services (DSA) Basic	0.36 MB
Document Access Services (DSA) Advanced	0.25 MB
GV Analyst	1.6 MB
GV Illustrator	0.55 MB
GV Advanced Language Option: Arabic Desktop Printing fonts	0.40 MB 2 MB
GV Advanced Language Option: Hebrew Desktop Printing fonts	0.13 MB 0.50 MB

GV Advanced Language Option: Chinese (3.7 MB, 1.6 MB screen fonts) and Japanese (2.7 MB, 1.7 MB screen fonts)
    Desktop Printing fonts for Chinese
    Desktop Printing fonts for Japanese
	9.7 MB
	
	6 MB
	25 MB

GV Database Access	0.12 MB
Desktop Printing Fonts (not including Advanced Languages fonts)	30 MB
Online Samples, Illustrator files, Tutorial files	10 MB

What Express installs   Table 1-3 lists the software applications installed when you select Express install choice. A complete Express install consumes 34.6 MB of disk space.

Table 1-3.   **Express application list**

Application name	Disk pages	Application name	Disk pages
Clipboard	34	Container List Tool	40
CUSP Buttons	26	Drag And Drop	18

Table 1-3. **Express application list**

Application name	Disk pages	Application name	Disk pages
Extract Rules	46	File Conversion of CGM Documents	262
File Conversion of Lotus 1-2-3 Spreadsheets	101	File Conversion of Raster Graphics	194
File Conversion of XIF Documents	4	Floppy Tool - Multidrive	110
Footnotes	3	GV Chart	3
GV Draw	3	GV Equations	719
GV Paint	359	GV Write	3,044
Help	27	Illustrator Basics	640
Illustrator from HPGL Converter	70	Index Generator	287
Link to Mastersoft Word for Word ™	55	PC File Access	60
Open Doc Print	13	Scrolling Menu	13
PS Printing	45	Sort Menu	3
Show Color Mode	7	Table of Contents Generator	13
Spelling Checker	52	U.S. English Hyphenation	8
Thesaurus	246	Vertical Writing	78
U.S. English Lexicons	605	VP Optima 300 Fonts Widths	423
VP Helvetica 300 Fonts Widths	423	VP Terminal Fonts	143
VP Printwheel Fonts	693	VP Xerox Classic Fonts 06 Point	160
VP Times 300 Fonts Widths	423	VP Xerox Classic Fonts 10 Point	185

Table 1-3.   **Express application list**

Application name	Disk pages	Application name	Disk pages
VP Xerox Classic Fonts 08 Point	173	VP Xerox Classic Fonts 14 Point	235
VP Xerox Classic Fonts 12 Point	211	VP Xerox Classic Fonts 24 Point	436
VP Xerox Classic Fonts 18 Point	303	VP Xerox Classic Fonts 36 Point	792
VP Xerox Classic Fonts 30 Point	599	VP Xerox Classic thin Fonts	65
VP Xerox Classic Fonts Metrics	22	VP Xerox Modern Fonts 06 Point	158
VP Xerox Equation Fonts	2,083	VP Xerox Modern Fonts 10 Point	187
VP Xerox Modern Fonts 08 Point	170	VP Xerox Modern Fonts 14 Point	232
VP Xerox Modern Fonts 12 Point	205	VP Xerox Modern Fonts 24 Point	418
VP Xerox Modern Fonts 18 Point	294	VP Xerox Modern Fonts 36 Point	749
VP Xerox Modern Fonts 30 Point	559	XIF Basics	863
VP Xerox Modern Fonts Metrics	22		

Check SmartDrive SmartDrive is a disk caching feature provided by Microsoft. Using read caching will improve GLOBALVIEW performance. However, write caching should **not** be used.

To disable write caching and enable read caching, include the drive letter after the SMARTDRV command in your AUTOEXEC.BAT file. For example, if GLOBALVIEW is installed on Drive C, your AUTOEXEC.BAT file's SmartDrive entry should be modified to include C drive as follows:

SMARTDRV C

See your Microsoft Windows documentation or the MS-DOS 6.0 online help for more information. You can use Sysedit or Notepad to view and edit the AUTOEXEC.BAT file.

You need to know This guide assumes that you are familiar with basic procedures for using Microsoft Windows and the mouse. See your Microsoft Windows documentation for information.

In this manual the term Select means to move the mouse pointer to an item and click the left mouse button. Table 1-4 shows mouse button functions for GLOBALVIEW.

Table 1-4. **Default mouse button functions**

Two button mouse	Three button mouse	GLOBALVIEW function
Left button	Left button	Select
Right button	Right button	Adjust
Chord (both buttons)	Middle button	Menu

Key names that appear in GLOBALVIEW manuals are the names on the keyboard templates supplied with the software. Some of the key mappings are:

COPY	Page Up key
DELETE	Delete key
FIND	End key
MOVE	Page Down key
PROPS	F12 key
SKIP/NEXT	Right arrow cursor key

Set up the network   If you plan to use the Xerox Document Services network, you need to set up the network board and software drivers **before** you install GLOBALVIEW. Setting up the board and drivers for Xerox Document Services involves three steps:

1. Install the network adapter board in the computer.

2. Install the network software driver as described in chapter 3, "Installing Document Services network access."

3. Refer to the appropriate Appendix for examples of system file changes.

✦ **Note:** If your computer is connected to a PC network, further modifications may be required, see the Appendixes for details. If your network or configuration is not covered, you may obtain instructions for your network from XSoft DIAL-A-Fax described in the following section "Getting additional information."✦

Setting time and date   Set the time and date using the commands in DOS or Windows. If the time is not correct, GLOBALVIEW may give you an error when you attempt to run it.

If you change time after installing GLOBALVIEW, use the GLOBALVIEW Exit log off option, not Exit with Quick Restart option.

If you will be connecting with the Xerox Document Services network, the time is set when you install GLOBALVIEW.

Getting additional information

An additional source of information is the XSoft DIAL-A-Fax Retrieval System.

The DIAL-A-Fax Retrieval System is a dial-in system you can use to access additional or updated information. To receive a fax copy of information, dial 1 (415) 813-7181.
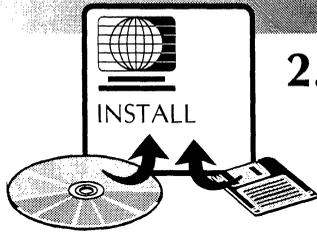
2. Checking hardware and software requirements

Check your computer to be sure it meets the following requirements and performance considerations.

Software requirements and considerations

Before installing GLOBALVIEW on your computer, be sure you have installed:

- Microsoft DOS 5.0 or later with Microsoft Windows 3.1 or later, or Windows for Workgroup 3.11 or later

or

- Microsoft Windows 95

Screen savers   In general, screen saving programs (including Windows and DOS versions) are not recommended for use with GLOBALVIEW. If the screen saver is enabled while GLOBALVIEW is being installed, started, or stopped, GLOBALVIEW processing may never complete.

The After Dark screen saver is not recommended for use with GLOBALVIEW. If you use it, the left mouse button may appear to be depressed after the screen saver is disengaged. If this happens, click the mouse button to correct it.

Virus protection programs   In general, these programs should not be running while the GLOBALVIEW Setup program is running. You can turn on the virus protection utility after GLOBALVIEW installation is complete.

DoubleSpace and Stacker   If you have DOS 6.0 or 6.2 and used DoubleSpace or Stacker to increase disk space, do not use 32-bit disk access while installing or running GLOBALVIEW.

Also, do not use 32-bit disk access if the reserved disk, GVWIN001.DSK, is on a subdirectory.

SmartDrive   For instructions on using SmartDrive, see "Check SmartDrive" in chapter 1, "Preparing for installation."

Hardware requirements

To use GLOBALVIEW, your computer must meet the following hardware requirements:

- A DOS computer with Intel 486 33 MHz processor as a minimum; 486 50 MHz is recommended; Pentium is supported

- Hard drive with at least 70 Megabytes of free hard disk space

- A 3.5 inch, 1.44 megabyte floppy disk drive. (If you are installing from CD-ROM, you need a CD-ROM drive.)

- A two or three button mouse

- For Pro Illustrator and Chemical Illustrator, floating point hardware (math co-processor) is required. Most 486 processors have the math co-processor built in.

◆ **Note:** For optimum performance, a 486 DX/50 or a 486 DX2/66 or greater is recommended.◆

Display monitor   A video graphics array (VGA) monitor or better resolution is required. Monochrome, 16-color and 256-color are supported.

GLOBALVIEW can use the following resolutions:

- SVGA (800 x 600 with up to 256 colors)

- ESVGA (1024 x 768 with up to 256 colors or 1280 x 1024 with up to 256 colors)

- VGA (640 x 480) is supported but not recommended because some GLOBALVIEW objects will not be entirely visible on the display without scrolling.

Monochrome and 16-color are hardware dependent display modes. Some differences in behavior might be seen depending on the specific hardware in use. If you encounter a problem, try switching to 256-color mode, which is hardware-independent, or to the other hardware-dependent mode.

✦ **Note:** If you change your display resolution in Windows after installing GLOBALVIEW, you need to change the GLOBALVIEW configuration, as described in chapter 4, "Installing GLOBALVIEW" and Appendix A, "Technical information."✦

32-bit disk access If your computer is capable of using 32-bit disk access, activating this will improve GLOBALVIEW performance. To see if your PC supports this feature, look for a check box on the Control Panel:386 Enhanced:Virtual Memory:Change window. Select the check box to turn on 32-bit disk access.

Do not use 32-bit disk access if you have used disk compression programs such as DoubleSpace or Stacker.

32-bit file access We do not recommend using 32-bit file access.

Memory GLOBALVIEW requires the following memory:

Type	Amount
RAM	12 MB minimum, 16 MB minimum if using local printing
Virtual Memory (VM)	16 MB minimum, 30 MB recommended if using local printing

Using more than the minimum amounts of RAM and Windows VM will improve performance.

An external or secondary cache (in addition to the 486's 8K on-chip cache) is a major performance enhancer. A cache of 256K is strongly recommended, and 512K is suggested for better performance.

To see if you have enough virtual memory, select the About option from the Help menu in the Windows Program Manager. See your Windows documentation for instructions on increasing virtual memory.
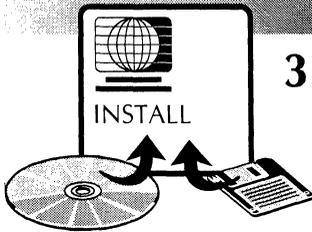
3. Installing Document Services network access

INSTALL

This chapter provides guidelines for installing network access for GLOBALVIEW for Microsoft Windows (GVWin) to the Xerox Shared Document Services (SDS) network. These configurations are Windows 3.x based, unless otherwise noted.

✦ **Note:** If you already have network access running with GLOBALVIEW for Microsoft Windows version 1.x **OR** you are not going to run Document Services Access, move on to the next chapter.✦

If you have a PC network or use AccessBuilder Remote Communications, the installation process must be customized to the network or communication software. We have included some guidelines in this chapter to help.

For installation guidelines, see the following:

* Microsoft Windows 3.1—page 3-3
* Microsoft Windows 95—page 3-6
* Microsoft Windows for Workgroups 3.11—page 3-6
* Novell NetWare environment—page 3-9
* Banyan Vines network—page 3-12
* Pathworks network—page 3-16
* AccessBuilder Remote Communications—page 3-18

In the installation guidelines sections, we refer you to an Appendix for sample system file changes and network configuration diagrams.

✦ **TIP:** You need to install a network card and its software driver (or a modem with AccessBuilder) on your computer before you install the GLOBALVIEW Document Services Access (DSA) package.✦

Using PC networks GLOBALVIEW has features that help you use your PC network. For example, PC File Access lets you copy files to and from disk drives located on your computer or on the network. Using GLOBALVIEW Desktop Printing or PSPrint, you can send print jobs to printers on a Novell network.

Setting time and date When your computer is connected to the Document Services network, the time set on your computer must match the network time.

While booting, GLOBALVIEW attempts to synchronize its internal time by requesting the time and time zone from the Document Services network time server. This information is then saved in GLOBALVIEW. Thereafter, the time zone displayed by GLOBALVIEW will be the time zone received when GLOBALVIEW last connected to the network. If you disconnect your computer from a network, it will continue to use the time and time zone received from the network. If you move your computer to a network in a new time zone, use the Exit option to log off GLOBALVIEW (not Exit with Quick Restart).

Network access problems might occur after GLOBALVIEW has been running for more than two days. Setting the correct date through the control panel fixes these network access problems. Running the Clock application will avoid the time drift.

Installing network access with Microsoft Windows 3.1

GLOBALVIEW for Microsoft Windows (GVWin) supports NDIS or Open Data-Link Interface (ODI) compliant drivers to connect to the Document Services network. If you are using Novell NetWare Client software, follow the instructions on page 3-9, "Installing network access in a Novell NetWare environment."

The following NDIS Protocol Manager components are installed by GLOBALVIEW and used to bind the GLOBALVIEW protocol driver (GVNETDRV.SYS) to the driver of your network card:

- PROTMAN.DOS
- PROTMAN.EXE
- PROTOCOL.GVW
- NET.EXE

Before installing . . .   Complete the following before installing GLOBALVIEW:

1. Make sure a network interface card is installed and operational in your computer.

2. Make sure an NDIS Media Access Control (MAC) driver is available for your network card.

3. Copy the NDIS MAC driver to your computer's hard disk.

Installing GLOBALVIEW   Use the following procedure to install GLOBALVIEW with network support. For detailed installation screen and option information, see chapter 4.

During installation, NDIS Protocol Manager components are copied to the GVWIN directory. Before rebooting your computer, add the path of the Protocol Manager components to your CONFIG.SYS, AUTOEXEC.BAT, and SYSTEM.INI files. You also specify the path to the GVWIN directory created during install. Sample files and a network configuration diagram are shown in Appendix C.

To install GLOBALVIEW with network support:

1. Run Setup from the GLOBALVIEW software media (see chapter 4 for details). Do the following:

   a. Select Custom installation and select the WorksPlus package for installation.

   b. If installing from CD-ROM or a network, also select Document Services Access for installation. If installing from floppy disk, you will install this software later.

   c. Select Enable for Xerox Network Access in the GlobalView Configuration window.

   ◆ **CAUTION:** Do not reboot your computer until you complete steps 2 through 6.◆

   d. Select Real Mode NDIS Driver (Microsoft compatible network) in the Network Driver window.

   e. At the end of Setup, select Exit to Windows. Do not reboot yet.

2. Modify your CONFIG.SYS file by adding the following lines in the order shown. Replace the path names and driver name with the appropriate information.

DEVICE=*path to* GVWIN\PROTMAN.DOS /i:*path to* GVWIN

DEVICE=*path to MAC driver*\MAC *driver name*

DEVICE=*path to* GVWIN\GVNETDRV.SYS

3. Modify your AUTOEXEC.BAT by adding the following line to the beginning of the file:

   path to GVWIN\NET START

4. Copy the PROTOCOL.GVW file in the GVWIN directory to PROTOCOL.INI.

   COPY PROTOCOL.GVW PROTOCOL.INI

5. Modify the PROTOCOL.INI file in the GVWIN directory by completing the following steps:

   a. If a section corresponding to the network card does not exist, create one according to the card vendor's specification. Usually, a sample PROTOCOL.INI file

containing information about the card section is shipped on a floppy disk with the card.

b. After adding the network card section, make note of the section name.

For example, the section name for a 3Com Etherlink II card is [ELNKII].   For an SMC card, the name is [SMCMAC].

c. In the [GVNETDRV] section, add the network card section name to the "BINDINGS=" statement.

6. Make sure that the EVD.386 entry exists in the SYSTEM.INI file. If not, add the following line to the [386Enh] section:

DEVICE=*path to* GVWIN\EVD.386

7. Reboot your computer so the changes take effect.

8. If you are installing from floppy disk, complete the following steps:

a. Double-click the Setup icon in the XSoft GlobalView program group.

b. Select Add GlobalView Packages and follow the instructions on the screen to install the Document Services Access software.

c. Return to step 1c and continue the procedure.

9. Start GLOBALVIEW. For details, see "Starting GLOBALVIEW after software installation" in chapter 4.

The first time that GLOBALVIEW starts, software is copied to the System folder and the Loader. This takes extra time.

When GLOBALVIEW has started, Document Services Access should be operational.

Installing network access with Windows 95

If you install GVWin 2.1 with Windows 95, you need to install the network drivers and client software for network connectivity. The installation of a protocol and a client component for GVWin is needed to have GVWin network connectivity on Windows 95.

If you upgrade your Windows 3.1 or Windows for Workgroups 3.11 to Windows 95, you need to reinstall the network drivers (gvwinodi.com) after installing Windows 95.

To install the network drivers:

1. Select Start, Settings, Control Panel, Network from the Windows 95 taskbar.

2. Select Add in the Configuration section of the Network window.

3. Select Protocol in the Select Network Protocol window.

4. Select Have Disk in the Select Network Protocol window.

5. In the Install From Disk window, specify the installation path for the "Copy manufacturer's files from:" by doing one of the following:

   • If you are using the Xerox Network Drivers floppy, insert it into the drive.

   • If you are installing from the network or the CD, select the Browse option, and select the DSAETHER directory that is listed under the main GVWin installation directory.

6. Select OK in the Install From Disk window.

7. Select one of the options for network drivers that appear:

   • Xerox Driver for Microsoft Networks (NDIS) on Ethernet

   • Xerox Driver for Microsoft Networks (NDIS) on Token Ring

   • Xerox Driver for Novell Networks (ODI) on Ethernet

✦ **Note:** To use the NDIS options, you must use the NDIS2 protocol and run in the (0300 - 030F) address range.✦

8. Select OK.

Windows 95 will copy the GVWin network driver files and display the Network window once this is complete.

✦ **Note:** If you are prompted for the path to install from during the copy process, specify the path you entered Step 5.✦

After you have installed the GVWin network driver files you need to install the network client.

To install the network client:

1. Select Add in the Configuration section of the Network window.

2. Select Client in the Select Network Component Type window.

3. Select Have Disk in the Select Network Protocol window.

4. In the Install From Disk window, specify the installation path for the "Copy manufacturer's files from:" by doing one of the following:

   • If you are using the Xerox Network Drivers floppy, insert it into the drive.

   • If you are installing from the network or the CD, select the Browse option, and select the DSAETHER directory that is listed under the main GVWin installation directory.

5. Select OK.

6. Select Client for Xerox Network Services in the Select Network Client window, and then select OK.

   The Network window appears.

7. Select OK.

8. Select OK when the Reboot the PC option is displayed.

The changes will take affect once the PC completes rebooting.

Installing network access with Windows for Workgroups

Microsoft Windows for Workgroups 3.11 provides network drivers for a large number of ethernet cards and a process that simplifies installation.

If you upgraded your Microsoft Windows 3.1 software to Windows for Workgroups, use the following procedure to install a driver and make the necessary changes to the PROTOCOL.INI and CONFIG.SYS files.

✦ **Note:** GLOBALVIEW requires Real Mode NDIS drivers in this network configuration. Make sure you install Real Mode NDIS support while customizing your network settings with Windows for Workgroups. Refer to your Windows for Workgroups documentation for network card and driver settings. See Appendix D for sample system file changes.✦

To install the driver required by Document Services Access:

1. Upgrade Windows 3.1 to Windows for Workgroups. See the Windows for Workgroups documentation.

2. Double-click the Network Setup icon in the Network Program Group in the Program Manager.

   The Network Setup window appears.

3. Select Drivers.

   The Network Drivers window appears.

4. Do the following:

   a. Select Setup and make sure the Driver Type is set to Real Mode NDIS support.

   b. Select OK.

5. Select Add Protocol.

   The Protocol window appears.

6. Select Unlisted or Updated Protocol.

7. Select OK.

8. Insert the Xerox Ethernet Driver floppy into the drive. If you are installing over the PC network, the driver file is located in the DSAETHER subdirectory.

9. Enter the drive name (or network path) in the Install Driver window and select OK.

10. When Document Services Access appears in the Protocols window, select OK.

11. Select Close in the Network Drivers window, and then select OK in the Network Setup window.

12. When a message indicates that system files were updated, select OK.

13. Select Restart Computer to make the changes take effect.

    You are ready to install GLOBALVIEW using the normal installation procedure.

14. Go to chapter 4 "Installing GLOBALVIEW," and follow the instructions to install GLOBALVIEW and the Document Services Access software.

Installing network access in a Novell NetWare environment

GLOBALVIEW for Microsoft Windows (GVWin) also provides a Novell Open Data-Link Interface (ODI) compliant driver that enables multi-protocol network connectivity. You can install GVWin network drivers on top of existing Novell NetWare drivers. This provides network connectivity for both GLOBALVIEW Document Services and Novell NetWare using the same ethernet card and ethernet driver.

Before installing . . . Complete the following before installing GLOBALVIEW:

1. Make sure your Novell network is installed and operational on your computer.

2. If you are using the GVWin NDIS driver (GVNETDRV.SYS) for XNS connectivity, you need to remove it before proceeding with the ODI driver installation.

3. If you are also using the Novell ODINSUP shim and the NDIS Protocol Manager components, remove them at this time. These are not required for GVWin ODI driver functionality.

◆ **Note:** If you are currently using the earlier ODINSUP/GVWin NDIS driver and are not experiencing

difficulty with your network connection, you DO NOT need to install the new driver.◆

Installing GLOBALVIEW Use the following procedure to install GLOBALVIEW with network support. For installation screen and option information, see chapter 4. See Appendix E for a network diagram and sample files showing the required entries.

To install GLOBALVIEW with a Novell NetWare network:

1. Run Setup from the GLOBALVIEW software media (see chapter 4 for details). Do the following:

   a. Select the WorksPlus package for installation.

   b. If installing from CD-ROM or a network, select Document Services Access for installation. If installing from a floppy disk, you will install this software later.

   c. Select Enable for Xerox Network Access in the GLOBALVIEW Configuration window.

   d. Select ODI Driver (Novell compatible network) in the Network Driver window.

      ◆ **CAUTION:** Do not reboot your PC until you complete steps 2 through 4.◆

   e. At the end of Setup, select Exit to Windows. Do not reboot yet.

2. Modify the AUTOEXEC.BAT file or the batch file where the Novell ODI drivers are being loaded. Add the following line after the LSL (Link Support Layer) and MLID (Multiple Link Interface Driver) entry for the specific network card:

   path to GVWIN\GVWINODI.COM

3. Modify your NET.CFG file by adding frame support for ETHERNET_II under the MLID section that you want to use with GVWin. For example, if an Etherlink II card is being used, the MLID section of the NET.CFG card would read as follows:

   LINK DRIVER 3C503

      FRAME ETHERNET_802.3

      FRAME ETHERNET_II

In this example, ETHERNET_802.3 is present for Novell connectivity, and ETHERNET_II is added for XNS connectivity.

✦ **NOTE:** You may also specify the protocol type explicitly for a given frame type. For example, the following section instructs the MLID to use XNS protocol with ETHERNET_II frames:

> LINK DRIVER 3C503
>
> > FRAME ETHERNET_802.3
> >
> > FRAME ETHERNET_II
> >
> > PROTOCOL XNS 0600 ETHERNET_II✦

4. Make sure that the EVD.386 entry exists in the SYSTEM.INI file. If not, add the following line to the [386Enh] section:

> DEVICE=*path to* GVWIN\EVD.386

5. Reboot your computer so that the changes take effect.

6. If you are installing from floppy disk, complete the following steps:

   a. Double-click the Setup icon in the XSoft GlobalView program group.

   b. Select Add GLOBALVIEW Packages and follow the instructions on the screen to install the Document Services Access software.

   c. Return to step 1c and continue the procedure.

7. Start GLOBALVIEW. For details, see "Starting GLOBALVIEW after software installation" in chapter 4.

   The first time that GLOBALVIEW starts, software is copied to the System folder and the Loader. This takes extra time.

   When GLOBALVIEW has started, both Document Services Access and Novell should be operational.

For PCs with more than one network card

Add the following section to the NET.CFG to specify which board to use with XNS:

PROTOCOL XNS

BIND 1

GVWINODI scans the NET.CFG file for a BIND entry. If a BIND entry exists for the XNS protocol, the XNS protocol stack binds to the specified card. The number corresponds to a logical card number that is displayed while the MLIDs are being loaded. The logical card specified must have a protocol entry under the MLID section, for example, PROTOCOL XNS 0600 ETHERNET_II.

Installing network access with a Banyan VINES network

Installing GLOBALVIEW for Microsoft Windows (GVWin) network drivers on top of an existing Banyan VINES network allows network connectivity for both GLOBALVIEW Document Services and Banyan VINES using the same ethernet card and ethernet driver.

Before installing . . . Complete the following before installing GLOBALVIEW:

1. Make sure Banyan VINES version 5.52 or higher, is installed and operational on your computer.

2. Make sure the NDIS protocol driver, NDISBAN.COM, supplied by Banyan exists in a Banyan subdirectory.

3. Make sure the following NDIS protocol manager components already exist in a Banyan subdirectory:

   - PROTMAN.DOS
   - PROTMAN.EXE
   - NETBIND.EXE

✦ **Note:** The PROTMAN.EXE file is missing from the Banyan distribution diskettes for Workstation installation. You need to use PCCOPY (a Banyan utility) to copy this file from the server to the "path to banyan\NDIS" directory on your PC.

You can also download this file by calling Banyan's Bulletin Board Service at (508) 836-1834.◆

Installing GLOBALVIEW

Use the following procedure to install Banyan NDIS support and GLOBALVIEW with network support. For information on GLOBALVIEW installation screens and options, see chapter 4.

During GLOBALVIEW installation, the GVWin network drivers are copied to the GVWIN directory. See Appendix F for sample files showing the required entries.

To install GLOBALVIEW on a PC with a Banyan VINES network:

1. Modify the PROTOCOL.INI file as follows:

   a. Locate the PROTOCOL.INI file that is supplied by your network card vendor (or an existing PROTOCOL.INI file on your computer).

   b. Copy this file and the NDIS driver for your network card to the BANYAN NDIS directory.

   c. Make sure a section corresponding to the network card exists in the PROTOCOL.INI file. If it does not, create one following the vendor's specification.

      For example, for a 3C503 card the section name is [ELNKII]. For an SMC card, the name is [SMCMAC].

   d. Make note of the section name that corresponds to the network card and the interrupt number setting for the network card.

2. Complete the following steps:

   a. Use PCCONFIG (supplied by Banyan) and select NDIS Ethernet for network card.

   b. Enter the interrupt number and PROTOCOL.INI section name (for example, ELNKII) when prompted.

   c. Save the configuration.

3. Modify the BAN line in AUTOEXEC.BAT to read:

   BAN/NDISBAN

4. Add the following lines to CONFIG.SYS:

DEVICE=*path to Banyan*\NDIS\PROTMAN.DOS /i:*path to Banyan*\NDIS

DEVICE=*path to Banyan*\NDIS\NDIS *driver name*

5. Reboot your computer and confirm that Banyan is operational using the NDIS modules.

6. Run Setup from the GLOBALVIEW software media (see chapter 4 for details). Do the following:

   a. Select the WorksPlus package for installation.

   b. If installing from CD-ROM or a network, select Document Services Access for installation. If installing from floppy disk, you will install this software later.

   c. Select Enable for Xerox Network Access in the GlobalView Configuration window.

      ✦ **CAUTION:** Do not reboot your PC until you complete steps 7 through 9.✦

   d. At the end of Setup, select Exit to Windows. Do not reboot yet.

7. Modify your CONFIG.SYS by adding the following line:

   DEVICE=*path to* GVWIN\GVNETDRV.SYS

8. Edit your PROTOCOL.INI file in the path to Banyan\NDIS directory by adding the following lines:

   [GVNETDRV]

   DRIVERNAME=GVNDRV$

   BINDINGS=*driver section name*

9. Modify your SYSTEM.INI in the Windows directory by adding the following line to the [386Enh] section:

   DEVICE=*path to* GVWIN\EVD.386

10. Reboot your computer so that the changes take effect.

11. If you are installing from floppy disk, complete the following steps:

    a. Double-click the Setup icon in the XSoft GlobalView program group.

b. Select Add GlobalView Packages and follow the
instructions on the screen to install the Document
Services Access software.

c. Return to step 1 and continue the procedure.

12. Start GLOBALVIEW. For details, see "Starting GLOBALVIEW
after software installation" in chapter 4.

The first time that GLOBALVIEW starts, software is copied to
the System folder and the Loader. This takes extra time.

When GLOBALVIEW has started, both Document Services
Access and Banyan VINES should be operational.

Troubleshooting tips

To avoid and solve problems you might encounter during
installation:

*   Read chapter 5 of the Banyan VINES Workstation
    Management Manual, which explains how to configure a
    Vines workstation to use NDIS modules.

*   Be sure you use Banyan supplied Protocol Manager files
    (PROTMAN.DOS, PROTMAN.EXE and NETBIND.EXE),
    because Banyan's modules do not work with Protocol
    Managers supplied by other vendors, such as Microsoft or
    3Com.

*   Execute the BAN.EXE command (BAN/NDISBAN) from
    the *path to banyan*\NDIS directory, or add the *path to
    banyan*\NDIS to your AUTOEXEC.BAT. This will prevent the
    Banyan module from indicating that it cannot find the
    NDIS files (such as NDISBAN.COM, NETBIND.EXE or
    ARSWAIT.EXE).

*   Note that Banyan's NDIS modules do not work with the
    NE2000 NDIS driver. Banyan's NDIS modules report a
    binding error (Vines NDIS Interface Error: 1015).

*   Running Banyan Vines and Shared Document Services
    simultaneously on Windows 95 configurations is not
    recommended.

Installing network access with a Pathworks network

Installing GLOBALVIEW network driver software on top of an existing Pathworks network allows network connectivity for both GLOBALVIEW Document Services and Pathworks using the same ethernet card and ethernet driver.

Before installing . . . Make sure Pathworks is installed and operational on your computer before you install GLOBALVIEW.

Installing GLOBALVIEW Use the following procedure to install GLOBALVIEW with network support. For details about GLOBALVIEW installation screens and options, see chapter 4.

During GLOBALVIEW installation, the network drivers are copied to the GVWIN directory. Sample files showing the required entries are listed in Appendix G.

To install GLOBALVIEW on a PC with a Pathworks network

1. Run Setup from the GLOBALVIEW software media (see chapter 4 for details). Do the following:

    a. Select the WorksPlus package for installation.

    b. If installing from CD-ROM or a network, select Document Services Access for installation. If installing from a floppy disk, you will install this software later.

    c. Select Enable for Xerox Network Access in the GlobalView Configuration window.

    ✦ **CAUTION:** Do not reboot your computer until you complete steps 2 through 4.✦

    d. At the end of Setup, select Exit to Windows. Do not reboot yet.

2. Complete the following steps:

    a. Locate the PROTOCOL.INI file in the Pathworks directory.

    b. Create a section for the GVWin network driver by adding the following lines:

        [GVNETDRV]

        DRIVERNAME=GVNDRV$

        BINDINGS=*driver section name*

3. Modify your CONFIG.SYS by adding the following line:

    DEVICE=*path to* GVWIN\GVNETDRV.SYS

4. Modify the SYSTEM.INI in the Windows directory by adding the following line to the [386Enh] section:

    DEVICE=*path to* GVWIN\EVD.386

5. Reboot your computer so the changes take effect.

6. If you are installing from floppy disk, complete the following steps:

    a. Double-click the Setup icon in the XSoft GlobalView program group.

    b. Select Add GLOBALVIEW Packages and follow the instructions on the screen to install the Document Services Access software.

    c. Return to step 1c and continue the procedure.

7. Start GLOBALVIEW. For details, see "Starting GLOBALVIEW after software installation" in chapter 4.

The first time GLOBALVIEW starts, software is copied to the System folder and the Loader. This takes extra time.

When GLOBALVIEW has started, both Document Services Access and Pathworks should be operational.

Installing remote network access through AccessBuilder

Using the AccessBuilder (AB) product from 3Com Corporation, you can install remote communication support for GLOBALVIEW for Microsoft Windows (GVWin) on a PC running Microsoft Windows 3.1 or Windows for Workgroups (WFW) 3.11.

✦ **Note:** The AccessBuilder product is sold by 3Com. It was previously sold by Centrum under the names Centrum Server and Centrum Client software.✦

Remote communication support enables GLOBALVIEW to access a Document Services network using a modem. You can perform all network operations such as mailing, filing and printing.

Installing the AccessBuilder Client Software and a modem on your PC provides dial-in connection between your PC and an AccessBuilder Server. The Server is directly connected to the network and enables communications between the network and GLOBALVIEW.

✦ **Note:** Setting up GLOBALVIEW communications through AccessBuilder requires knowledge of your PC hardware and software configuration, as well as coordination with the AccessBuilder Server network administrator. Assistance from a technical support group is recommended if you are a novice PC user.✦

Requirements . . . The following components are required:

1. Make sure you have the following for your computer:

    • An asynchronous data modem, capable of running at least 14.4 Kbps.

    • AccessBuilder Client Software version 3.4 or later from 3Com Corporation.

2. Make sure there is an AccessBuilder Server with AccessBuilder Ethernet Version 4.0 or later installed at the remote site where you will be connecting to the Document Services network. Be sure you have the phone number.

3. Use the following instructions to perform these tasks in the order listed:

   • Prepare for installation.

   • Install AccessBuilder Client software on your PC. If AccessBuilder is already installed, check the configuration options against those in the instructions.

   • Install GLOBALVIEW software, then edit the PC system files.

   • Run AccessBuilder to establish a network connection, then start GLOBALVIEW.

Preparing for installation

Complete the following before installing AccessBuilder Client Software and GLOBALVIEW:

1. Obtain a Medium Access Control (MAC) number from your AccessBuilder Server administrator. This number must be unique and is required during installation of the AccessBuilder Client Software.

2. Obtain a user account and password from your AccessBuilder Server administrator.

3. Ask your AccessBuilder Server administrator to configure the AccessBuilder Server with the following options:

   • XNS Broadcast packets should be enabled
   • Bridging should be enabled
   • Smart Filtering should be disabled

4. Find out which communications port your PC modem uses. Install the modem.

5. Determine whether you will use Novell ODI or NDIS drivers for remote communication, then do either step 6 or step 7. Guidelines for selecting a driver are:

   • If you plan to use a Novell network, use an ODI driver.

   • If you have Windows for Workgroups installed, use the NDIS driver.

- If you do not know which driver is installed on your PC, check the CONFIG.SYS in Windows 3.1 or the network setup icon in Windows for Workgroups.

- If network drivers are not installed on your PC, or if you do not have a requirement for a particular type of driver, use the NDIS driver.

6. If you plan to use **Novell ODI** drivers, be sure Novell Client Software is installed and operational before you install AccessBuilder Client Software and GLOBALVIEW. ODI drivers must be acquired from Novell.

7. If you plan to use **NDIS drivers**, proceed with the AccessBuilder and GLOBALVIEW installation. The following NDIS Protocol Manager components are copied to the GVWin directory during GLOBALVIEW installation:

- PROTMAN.DOS
- PROTMAN.EXE
- PROTOCOL.GVW (does not overwrite PROTOCOL.INI)
- NET.EXE

Installing and configuring AccessBuilder Client

Install AccessBuilder (AB) Client software before you install GLOBALVIEW. If AccessBuilder Client is already installed on your PC, check the configuration options against the following guidelines. For network diagrams and sample options listings, see Appendix H.

1. Start the AccessBuilder Client software installation and use the following guidelines to set the required options. Refer to AccessBuilder documentation for details.

   a. Select the following options for the listed fields in the Advanced Configuration Menu:

   - Interrupt Vector: 0x65
   - Packet Selection: BRIDGING
   - Smart Filtering: NO

   ✦ **Note:** Newer versions of AccessBuilder Client software may not include all these options.✦

b. In the Network/OS Application Menu, select one of the following for your driver:

- Windows for Workgroup 3.11 (NDIS)
- Novell NetWare 3.x/2.x (ODI)

c. Select **Yes** when the following question is asked during AccessBuilder Client Software Installation:

"Do you want to install AccessBuilder Client Windows Software?"

This option will allow you to establish or terminate a remote connection from the Windows desktop.

2. Remove the DIAL command from the ABLOGIN.BAT file unless you want to establish a remote connection every time you boot your PC.

Installing GLOBALVIEW

Use the following procedure to install GLOBALVIEW with remote network access. For details about GLOBALVIEW installation screens and options, see chapter 4.

The following instructions include steps to modify system files for your ODI or NDIS driver and the path to the GVWIN directory. Sample files showing the required entries are listed in Appendix H.

To install GLOBALVIEW network access through AccessBuilder:

1. Run Setup from the GLOBALVIEW software media (see chapter 4). Do the following:

a. Select Custom install and select the WorksPlus package for installation.

b. If installing from CD-ROM or a network, also select Document Services Access for installation. If installing from floppy disk, you will install this software later.

c. Select Enable for Xerox Network Access in the GLOBALVIEW Configuration window.

✦ **CAUTION:** Do not reboot your computer until you reach step 6.✦

    d.   At the end of Setup, select Exit to Windows. Do not reboot yet.

2.   Select the next step based on your communications environment:

- To use Novell ODI driver, go to step 3.

- To use NDIS drivers and Microsoft Windows 3.1, go to step 4.

- To use NDIS drivers and Workgroups for Windows 3.11, go to step 5.

3.   If you plan to use **Novell ODI drivers**, make the following changes to the system files (see examples of updated files in Appendix H.)

    a.   Modify the ABLOGIN.BAT file or the batch file where all of the ODI drivers are being loaded. Add the following line after the IPXODI line:

       path to GVWIN\GVWINODI.COM

    b.   Modify the NET.CFG file in the Novell directory. Add the following lines under the LINK DRIVER PKMLID section:

       Frame Ethernet_II

       Protocol XNS 0600 Ethernet_II

    c.   Continue with step 6.

4.   If you plan to use **NDIS drivers and Microsoft Windows 3.1**, make the following changes to the system files (see examples of updated files in Appendix H).

    a.   Modify the CONFIG.SYS file by adding the following lines in the order shown:

DEVICE=*path to* GVWIN\PROTMAN.DOS /i:path to GVWIN

DEVICE=*path to* AccessBuilder driver\PKNDIS.DOS

DEVICE=*path to* \GVNETDRV.SYS

    b.   Copy the PROTOCOL.GVW file in the GVWIN directory to PROTOCOL.INI.

       COPY PROTOCOL.GVW PROTOCOL.INI

    c.   Modify the PROTOCOL.INI file in the GVWIN directory as described in the following steps:

       ▶   Create a section for the AccessBuilder NDIS driver and add the DRIVERNAME entry as follows:

          [PKNDIS]

          DRIVERNAME=PKNDIS$

       ▶   Add the AccessBuilder driver section name (PKNDIS) to the BINDINGS= statement in the [GVNETDRV] section:

          [GVNETDRV]

          DRIVERNAME=GVNDRV$

          BINDINGS=PKNDIS

    d.   Make sure the ABLOGIN.BAT file in the AccessBuilder installation directory contains the NET START command. If it does not, add the following line to the end of the file:

          path to GVWIN\NET START

    e.   Remove the NET START command line from the AUTOEXEC.BAT file if the command line is present.

    f.   Continue with step 6.

5.   If you plan to use **NDIS drivers and Windows for Workgroups 3.11**, use the following steps to make changes to the system files. (Examples of the updated system files are in Appendix H.)

    a.   Double-click the Network Setup icon in the Network Program Group in the Program Manager. The Network Setup window appears.

    b.   Select Drivers. The Network Drivers window appears.

    c.   Select Setup and make sure the Driver Type is set to Real Mode NDIS support.

    d.   Select OK.

    e.   Select Add Protocol. The Protocol window appears.

    f.   Select Unlisted or Updated Protocol.

    g.   Select OK.

    h.   Insert the Xerox Ethernet Driver floppy into the drive.

    i.   Enter the drive name in the Install Driver window and select OK.

    j.   When Document Services Access appears in the Protocols window, select OK.

    k.   Select Close in the Network Drivers window, then select OK in the Network Setup window.

    l.   When a message indicates that system files were updated, select OK.

6.   Reboot your computer so the changes take effect.

7.   Start Microsoft Windows.

8.   If you are installing from floppy disk, complete the following steps:

    a.   Double-click the Setup icon in the XSoft GlobalView program group.

    b.   Select Add GlobalView Packages and follow the instructions on the screen to install the Document Services Access software.

    c.   Return to step 1c and continue the procedure.

9.   Start the AccessBuilder client to dial into the AB server and log in using your assigned password.

10. Start GLOBALVIEW. For details, see "Starting GLOBALVIEW after software installation" in chapter 4. See the following guidelines for using GLOBALVIEW and remote network access.

The first time GLOBALVIEW starts, software is copied to the System folder and the Loader. This takes extra time.

When GLOBALVIEW has started, Document Services Access should be operational.

Using GLOBALVIEW with remote network access

- You must be logged into the AccessBuilder server the first time you log into GLOBALVIEW for your InBasket to appear in the Workspace folder of the Directory. For that reason,

if you have been running GLOBALVIEW in standalone mode prior to installing the AccessBuilder software, you must quit GLOBALVIEW using the Exit option, not Exit with Quick Restart option. Restart GLOBALVIEW after you have logged into AccessBuilder to make the workspace and network connections available.

• When starting GLOBALVIEW for a remote session, log into AccessBuilder first. Once you've logged onto your GLOBALVIEW workspace, you can end your AccessBuilder session until you are ready to use network access features.

Having a remote connection up unnecessarily will slow down the PCs functionality, and it will take longer to complete Windows and GLOBALVIEW operations. You can end your AccessBuilder connection during your GLOBALVIEW session once you've logged onto your workspace and retrieved mail, for example, then reestablish the link once you've processed your mail and are ready to send the replies.

• We recommend the preceding procedures to enable consistent network access when using GVWin remotely. In some instances, alternate booting sequences have been successful, however they have not proven reliable for all users in all instances.

Troubleshooting tips

To avoid and solve problems you might encounter during installation:

• Make sure broadcast packets are enabled on the AccessBuilder Server.

• When installing the AccessBuilder Client software, use the following settings in order to ensure proper functionality for AccessBuilder and GLOBALVIEW.

> Data Compression: OFF
> Interrupt Vector: 0x65
> Packet Selection: BRIDGING
> Smart Filtering: NO

> ✦ Note: Newer versions of AccessBuilder Client software may not include all these options.✦

Use the following information to help avoid and solve problems you might encounter with GLOBALVIEW remote communications:

- If you can view the network file structure but cannot receive mail, access file servers, or send documents to a printers, check that the time setting on your PC matches the time setting on the network. If time is off by more than a few minutes, XNS will be unable to authenticate you for network operations.

- If you see error messages related to initializing network drivers, make sure that the following entry exists in the SYSTEM.INI file under the 386Enh section:

    [386Enh]
    DEVICE=*path to* GVWIN\EVD.386

    Also ensure you've added the following line to the ABLOGIN.BAT:

    NET START

    And verify that the entries in the PROTOCOL.INI match the samples.

- Slower PCs (e.g., 486/33Mhz) might require the old Demand Based Routing software patch to access the network. If you did not observe any errors while booting up the PC and GLOBALVIEW, but cannot access the network from GVWin, add this patch to the Loader. It is included with the GV Windows software in the WORKSAUX subdirectory.

- If you have been running in "standalone" mode—that is, if this GLOBALVIEW placement has never been connected to XNS prior to bringing up this remote network connection—ensure that the name you have been using to log on to your workspace is identical to your fully qualified network name. For example, if you've logged into your standalone GLOBALVIEW with the Alias of "Smitty:WRO:Xerox" when your fully qualified name is "James R. Smithson:WRO:Xerox," the system will not find your "Smitty" workspace when you are net connected. It will ask you if you wish to create a new one and you will not be able to access the network from the "Smitty" workspace.

- If GVWin reports that it cannot find the network drivers at startup, consider what other software package may have control of the COM port and make sure that all of the drivers are loading properly when booting the PC. It may be necessary to reboot your PC for the other application to release control of the COM port so that AccessBuilder drivers load properly and GVWin can use them.

- If you use other communications software on your PC (for example, America Online or Prodigy) there may be contention between AccessBuilder Client and the other package for your COM port. If one package gets control of the COM port the second package will be unable to access it.

  A solution for this problem is to add a menu to your CONFIG.SYS to allow you to select which package will use the port during a particular session. You should also modify your AUTOEXEC.BAT file to track to the CONFIG.SYS. (See samples in Appendix H.)

- If you have an option, use a 16550 or better chip for serial communications. If your PC has an 8250 chip (most commonly available in PCs), mouse and keyboard input will be delayed in Windows and GLOBALVIEW operations because of the interrupts generated by the incoming data packets. You can find out the type of serial chip in your PC by running MSD from the DOS command prompt and selecting the COM Ports option. Serial Communications Add-on cards that utilize the 16550 chip are available at computer retail stores.
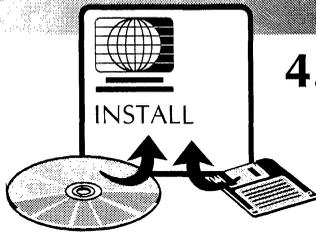
4. Installing GLOBALVIEW

INSTALL

You can use the express or custom option to install GLOBALVIEW for Microsoft Windows (GVWin). You can install from:

- Floppy disks—page 4-4
- CD-ROM—page 4-4
- PC network, such as Novell—page 4-5

To place GLOBALVIEW software on a PC network server so users can install across the network , see page 4-37

After GLOBALVIEW has been installed, you can:

- Start GLOBALVIEW—page 4-19

- Obtain samples, tutorial files, downgraders, and printer fonts—page 4-21

- Add GLOBALVIEW packages or applications—page 4-24

- Change the GLOBALVIEW configuration—page 4-29

- Upgrade GVWin 1.1 to GVWin 2.1—page 4-30

- Reinstall GLOBALVIEW—page 4-31

Understanding installation

GLOBALVIEW requires additions to the WIN.INI, SYSTEM.INI, and AUTOEXEC.BAT files. During installation, you are asked if you want these additions made automatically; this saves your current files as backup files. Appendix A shows the changes.

Setup GLOBALVIEW uses the GV Setup installation program to install GLOBALVIEW for Microsoft Windows, version 2.1. During Setup, you select one of two GLOBALVIEW installation options, Express or Custom.

Express installs a basic application subset of the WorksPlus package, (see Table 1-3 for details). You can use this install option if you want to run a subset of WorksPlus and install GLOBALVIEW very quickly.

Custom install option allows you to select from individual applications in the WorksPlus or other purchased packages. Use this option to tailor your application set to meet your needs.

Setup installs the Basic GLOBALVIEW software in the GVWIN directory (or another directory if you so specify). These files are PC format files and can be viewed from DOS or the Windows File Manager; however, you should not alter these files.

Setup also creates the reserved disk, which is a large PC file named GVWIN001.DSK. This file will hold the GLOBALVIEW application software files, data files, and workspaces. These files are in GLOBALVIEW format and cannot be accessed from DOS or the Windows File Manager.

When Setup is finished, you reboot the computer to make the configuration take effect.

Finishing installation   Installation is completed when you run GLOBALVIEW for the first time. During startup, the software is copied to the reserved disk's System Folder and the Loader. This takes time, so be patient.

Starting a new installation

Choose the installation instructions for your media from the following procedures. The detailed steps in this chapter describe installing GVWin on Windows 3.1 operating system. Installing GVWin 2.1 on Windows 95 is basically the same as installing on Windows 3.1.

If you plan to install Document Services Access, be sure you install the network board and software drivers for your PC **before** you install GLOBALVIEW. See chapter 3 for information on various network alternatives.

Installing on Windows 95

GVWin 2.1 may be installed on Windows 95 operating system. After you begin the installation on Windows 95, the remaining steps are similar to Windows 3.1.

✦ **Note:** This is only one of several ways to install GLOBALVIEW with Windows 95. See your Windows 95 user documentation for details on other options.✦

To install GLOBALVIEW for Windows 2.1 on Windows 95 :

1. Make sure that Windows 95 is already running.

2. Do one of the following:

   • Insert the GLOBALVIEW Setup disk (Basic Software, Disk 1) in the 1.44 megabyte disk drive

   • Insert the GLOBALVIEW CD-ROM in the CD drive.

3. Double-click My Computer icon to open the option window.

4. Double-click the Control Panel icon then double-click the Add/Remove Programs icon.

5. Click the Install button.

6. Click Next

7. Click Finish.

   The message "Initializing Setup" appears.

8. Go to "Continuing a new installation" on page 4-6.

Starting installation from a floppy disk

This requires a 3.5 inch, 1.44 megabyte floppy disk drive. During installation you will be asked to insert disks. Check the disk names carefully.

To install GLOBALVIEW:

1. If Windows is not already running, type **win** at the DOS prompt.

2. Insert the GLOBALVIEW Setup disk (Basic Software, Disk 1) in the 1.44 megabyte disk drive.

3. In the Windows Program Manager File menu, select Run.

4. Type either **a:setup** or **b:setup** (depending on which drive holds the disk) and press ENTER.

   The message "Initializing Setup" appears.

5. Go to "Continuing a new installation" on page 4-6.

Starting installation from a CD-ROM

This procedure requires a CD-ROM drive on your PC.

To install GLOBALVIEW from a CD-ROM:

1. If Windows is not already running, type **win** at the DOS prompt.

2. Place the CD-ROM containing the GLOBALVIEW software in the CD caddy (if this is required for your CD-ROM drive), and place it in the CD-ROM drive. Make sure the CD-ROM drive is connected and turned on.

3. In the Windows Program Manager File menu, select Run.

4. Type **d:setup** (substitute the drive name of your CD-ROM for **d**), and press ENTER.

   The message "Initializing Setup" appears.

5. Go to "Continuing a new installation" on page 4-6.

Starting installation from a PC network

GLOBALVIEW can be installed over PC networks such as Novell, Banyan, Pathworks, Lan Manager, or TCP/IP with NFS server, in which the network location of the files appears as a local drive on your PC (for example, Drive F). It cannot be installed over the Xerox Document Services network.

After your network administrator has put the GLOBALVIEW software and installation files on a network drive, you can install over the network.

✦ **Note:** If you are a network administrator and want to install the GLOBALVIEW software on a network drive, see the section "Placing installation files on a PC network" at the end of this chapter. If you plan to install Document Services Access in addition to the PC network, refer to chapter 3 for additional information.✦

To install GLOBALVIEW from a network drive:

1. If Windows is not already running, type **win** at the DOS prompt.

2. In the Windows Program Manager File menu, select Run.

3. Type the pathname of the network directory that contains the GLOBALVIEW software, add the word **\setup**, and press ENTER. Check with your System Administrator for the correct pathname. For example:

   f:\gvwin\image\setup

   The message "Initializing Setup" appears.

4. Go to "Continuing a new installation" on page 4-6.

Continuing a new installation

You install the WorksPlus software package first. If you install from floppy disk and have purchased additional packages, install them later using the procedure in "Adding packages."

```
┌─────────────────────────────────────────────────────┐
│ ▬ │                    Welcome                        │
├─────────────────────────────────────────────────────┤
│                                                       │
│   ┌───┐    Welcome to Xerox GlobalView for Windows,   │
│   │▒▒▒│                  Version 2.1                   │
│   └───┘                                                │
│                                                       │
│   This program installs GlobalView on your computer. Simply follow │
│   the instructions.                                   │
│                                                       │
│   To install GlobalView now, choose the Continue button or │
│   press ENTER. To quit the Setup program at any time, choose │
│   Cancel Setup.                                       │
│                                                       │
│   If you plan to use the Xerox Document Services network, you │
│   need to install a network adapter board and software driver │
│   before installing GlobalView.                       │
│                                                       │
│   Whenever a Setup window displays a Help button, you can │
│   choose it for more information about the options displayed. │
│                                                       │
│         ┌──────────┐      ┌──────────────┐            │
│         │ Continue │      │ Cancel Setup │            │
│         └──────────┘      └──────────────┘            │
└─────────────────────────────────────────────────────┘
```

After setup initializes, the Welcome window appears.

To continue installation:

1. Read the Setup Welcome, and select Continue.

2. When Setup asks you to specify a directory for GLOBALVIEW, do one of the following:

    • To accept the path that Setup suggests, select Continue. (Using this path is recommended.)

    • To use another directory, enter a directory name in the Install in box. Select Continue.

3. If you see a message indicating that the directory does not exist, select Create Directory.

    Setup displays a dialog box with two installation options, Express and Custom.
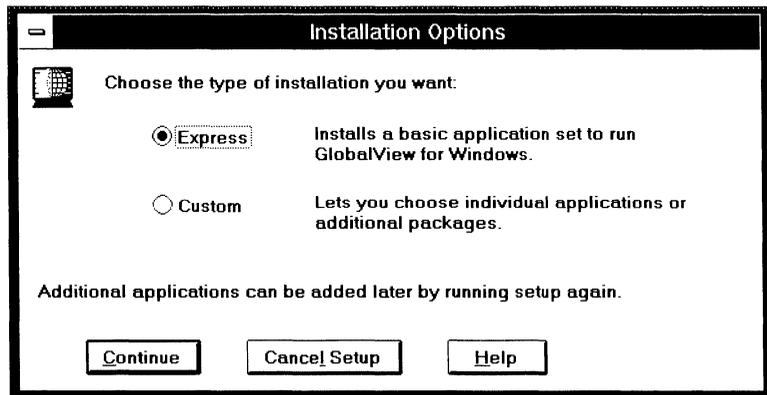
4. Select either Express or Custom.

5. Select Continue and do one of the following:

- If you selected Express install, go to step 1 in the "Continuing with Express installation" section below.

- If you selected Custom, go to step 1 in the "Continuing with a Custom installation" section on page 4-11.

Continuing with Express installation

Express installation quickly installs a basic set of GLOBALVIEW applications.
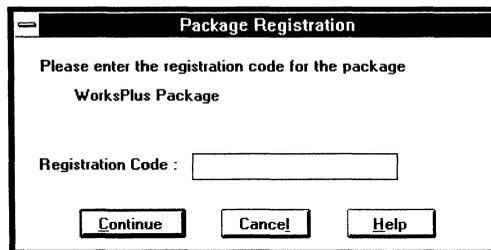
The Package Registration window appears when Express is selected..

To proceed with Express installation:

1. Enter the registration code with no spaces (use the number key to enter 0). Select Continue. (The registration code is on the package's Registration Card.)

   The GV Disk Usage window shows you how much space you need and how much space is available.

   ```
   ┌──────────────────────────────────────────────────────────┐
   │ ▬          GlobalView Disk Usage                          │
   ├──────────────────────────────────────────────────────────┤
   │                                                          │
   │   ▦                              C:\                      │
   │                                                          │
   │            GlobalView:        50,610,176                 │
   │                                                          │
   │            Space Available:   141,058,048                │
   │                                                          │
   │   ┌───────────┐  ┌───────────┐  ┌─────────────┐  ┌────────┐ │
   │   │ Continue  │  │ Changes...│  │ Cancel Setup│  │  Help  │ │
   │   └───────────┘  └───────────┘  └─────────────┘  └────────┘ │
   │   To accept disk space usage, select Continue            │
   │                                                          │
   └──────────────────────────────────────────────────────────┘
   ```
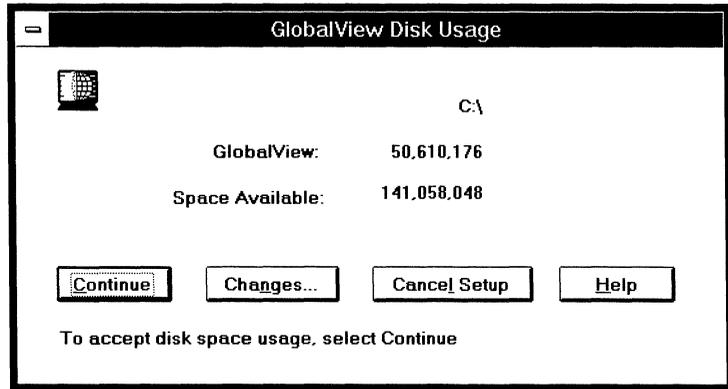
2. To accept the recommended disk space usage, select Continue. If you want to change the location or size of the reserved disk, select Changes.

3. Respond to the next GV Setup screens as prompted by the software until you see the XNS network screen.

4. On the network screen, do one of the following:

   • Select No if you do not have a Xerox Shared Document Services network, then select Continue.

   • Select Yes if you want to use a Shared Document Services network. A window appears with options for identifying the type of network driver installed on your computer. Select one of the drivers and select OK.

```
┌─────────────────────────────────────────────────────────┐
│ ═  │            Network Driver                           │
├─────────────────────────────────────────────────────────┤
│  ▓▓▓                                                      │
│  ▓▓▓   Enable Xerox Network Access with:                 │
│                                                           │
│      ◉ Real Mode NDIS Driver (Microsoft compatible network) │
│      ○ ODI Driver (Novell compatible network)            │
│                                                           │
│        ┌──────────┐  ┌──────────┐  ┌──────────┐          │
│        │    OK    │  │  Cancel  │  │   Help   │          │
│        └──────────┘  └──────────┘  └──────────┘          │
└─────────────────────────────────────────────────────────┘
```
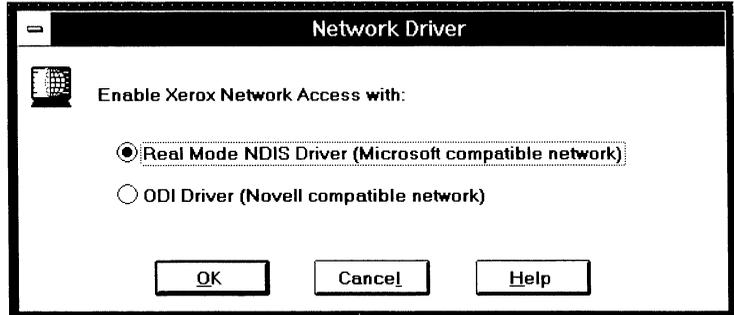
The Network Driver window appears if you select Yes to Enable Xerox Network Access.

5. Select your local Time Zone from the option sheet and select Continue.

```
┌─────────────────────────────────────────────────────────┐
│ ═  │   Time Zone Selection for Express Installation      │
├─────────────────────────────────────────────────────────┤
│  ▓▓▓   Select your local time zone.                      │
│  ▓▓▓                                                      │
│      ┌────────────────────────────────────────┬──┐       │
│      │ United Kingdom                         │ ↑ │       │
│      │ Western Europe                         │   │       │
│      │ Japan Standard Time                    │   │       │
│      │ Hawaiian Islands                       │   │       │
│      │ Alaska Standard                        │   │       │
│      │ Pacific Standard                       │   │       │
│      │ Arizona Standard                       │   │       │
│      │ Mountain Standard                      │ ↓ │       │
│      └────────────────────────────────────────┴──┘       │
│                                                           │
│      If your local time zone is not listed here, you may create a │
│      custom time zone setting by adding a new entry to the │
│      timezone.txt file in the GlobalView directory.       │
│                                                           │
│                      ┌────────────┐                       │
│                      │  Continue  │                       │
│                      └────────────┘                       │
└─────────────────────────────────────────────────────────┘
```

The Time Zone Selection window appears during Express installation.

6. The setup program begins installing the Basic Software. The percent complete indicator shows the percentage of software files installed.

   ✦ **CAUTION:** While the software is being installed, do not do other Windows tasks.✦

```
┌─────────────────────────────────────────────┐
│               Basic Software #2               │
├─────────────────────────────────────────────┤
│ Source File:                                  │
│ B:\W4W616T.DLL                                │
│ Destination File:                             │
│ C:\GVWIN\W4W616T.DLL                          │
│                                               │
│ ┌─────────────────────────────────────────┐  │
│ └─────────────────────────────────────────┘  │
│                                               │
│              ┌───────────┐                    │
│              │  Cancel   │                    │
│              └───────────┘                    │
└─────────────────────────────────────────────┘
```
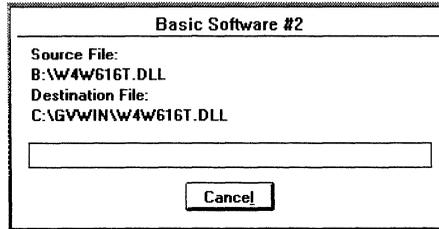
7. If you are installing from floppy disks, insert the specified installation disks when requested.

Setup installs the Basic Software and then the Application Software. When the Application Software indicator reaches 100%, all software has been copied to your hard disk.

8. When Setup asks if you want to modify your WIN.INI, SYSTEM.INI, and AUTOEXEC.BAT files:

    •   It is recommended that you select Modify these files... Then select Continue. When a message appears confirming the files were modified, select Continue.

    •   To update the files manually, select Write the new... Then select Continue. When a message indicates that files were created, select Continue.

9. When the Setup Complete window appears, select Exit to Windows.

    Setup stops and returns to Windows so you can reboot your computer and start GLOBALVIEW.

The XSoft GLOBALVIEW program group now exists in the Program Manager. It has four icons: GLOBALVIEW, GV Setup, GV Admin, and the Quick Tour.

```
┌─────────────────────────────────────────────────┐
│ ═        XSoft GlobalView               ▼  ▲     │
├─────────────────────────────────────────────────┤
│                                                  │
│   ▦       ▦       ▦       ▦                       │
│  GlobalView GV Admin  GV Setup  Quick Tour        │
│                                                  │
│                                                  │
│                                                  │
└─────────────────────────────────────────────────┘
```
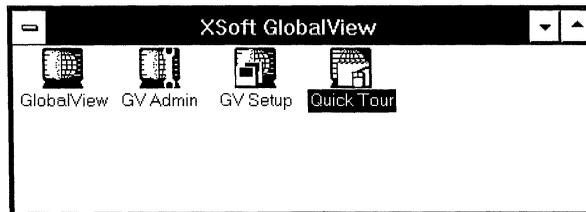
10. If you elected not to modify the WIN.INI, SYSTEM.INI, and AUTOEXEC.BAT files in step 8, do so now. See Appendix A.

11. Reboot your computer.

12. Start GLOBALVIEW for the first time, following the steps in the "Starting GLOBALVIEW after software installation" section. During startup, the software installation is finished.

✦ **Tip:** If you are new to GLOBALVIEW, you might want to run the Quick Tour to learn basic operations. Double-click the Quick Tour icon in the XSoft GLOBALVIEW program group.✦

Continuing with a Custom installation

GLOBALVIEW software is purchased and licensed in packages; each package contains different modules (applications). For example, some modules in WorksPlus are Write, Draw, Paint, and Chart. Custom installation lets you install the whole package or select applications or modules within the package.

```
┌─────────────────────────────────────────────────────────────────────────┐
│ ▭                    GlobalView Custom Installation                        │
├───────────────────────────────────────────────────────────────────────────┤
│  ┌Install Packages:────────────────────────────────────────────────────┐   │
│  │ ☐ WorksPlus                          ┌ Files... ┐        0 Bytes      │   │
│  │ ☐ WorksPlus Font Supplement          ┌ Files... ┐        0 Bytes      │   │
│  │ ☐ Document Services Access Basic     ┌ Files... ┐        0 Bytes      │   │
│  │ ☐ Document Services Access Advanced  ┌ Files... ┐        0 Bytes      │   │
│  │ ☐ GV Analyst                         ┌ Files... ┐        0 Bytes      │   │
│  │ ☐ GV Illustrator                     ┌ Files... ┐        0 Bytes      │   │
│  │ ☐ GV Arabic                          ┌ Files... ┐        0 Bytes      │   │
│  │ ☐ GV Hebrew                          ┌ Files... ┐        0 Bytes      │   │
│  │ ☐ Chinese and Japanese               ┌ Files... ┐        0 Bytes      │   │
│  │                                                                       │   │
│  │   Packages Selected                                      0 Bytes      │   │
│  └───────────────────────────────────────────────────────────────────────┘ │
│                                                                             │
│  Recommended Reserved Disk File:                         0 Bytes            │
│  GlobalView Basic Software:                              5,242,880 Bytes    │
│  Total Disk Space Required:                              5,242,880 Bytes    │
│                                                                             │
│     ┌ Continue ┐   ┌ Clear All ┐   ┌ Cancel Setup ┐   ┌ Help ┐             │
│                                                                             │
│  Select packages to install.  Select "Files..." if you want to choose      │
│  applications within a package.                                            │
└─────────────────────────────────────────────────────────────────────────┘
```

WorksPlus package appears as the first item in the custom installation window.

✦ **Note:** This menu appears only if you have installed from the CD or network installation directory. If you installed from floppy, only the first 2 items appear.✦

To proceed with Custom installation:

1. Select the WorksPlus package. (WorksPlus must be installed before selecting other packages.)

   The Package Registration window appears.

2. Enter the registration code with no spaces (use the number key to enter 0). Select Continue. (The registration code is on the package's Registration Card.)

When the code is verified, an X appears beside the package name and you see the amount of disk space required.

3. If you want to install all software in the package, go to step 4. If you do not want to install all software in the package, do the following:

    a. Select the Files button beside the package name to see a list of the software modules in the package.

    b. Scroll through the list and deselect the software you do **not** want to install. (By default, all files are highlighted [selected] for installation.)

        Selecting items in the Show list allows you to see the software associated with certain features, such as conversion. If you do not need a feature, select it under Show, then deselect all the files associated with it.

        The fonts (near the end of the files list) are screen fonts. Deselecting fonts you do not plan to use will reduce space requirements.

        ◆ **CAUTION:** Do not deselect all fonts. GLOBALVIEW does not use Microsoft Windows fonts, so you need to install some GLOBALVIEW fonts.◆

    c. When you have deselected all software you do not want installed, select Continue.

4. If you are installing from CD-ROM or a network, you can select another package and repeat steps 2 and 3. (If you are installing from floppy disk, you can add packages after WorksPlus and Fonts Supplement are installed.)

5. When you finish selecting software, select Continue in the GLOBALVIEW Custom installation window.

GlobalView Custom Installation		
Install Packages:		
▓ WorksPlus	Files...	12,282,880 Bytes
▓ WorksPlus Font Supplement	Files...	1,348,096 Bytes
☒ Document Services Access Basic	Files...	359,936 Bytes
☒ Document Services Access Advanced	Files...	254,976 Bytes
☒ GV Analyst	Files...	1,627,648 Bytes
☒ GV Illustrator	Files...	546,304 Bytes
☐ GV Arabic	Files...	0 Bytes
☒ GV Hebrew	Files...	128,512 Bytes
☐ Chinese and Japanese	Files...	0 Bytes
Packages Selected		16,548,352 Bytes

Recommended Reserved Disk File:	62,914,560 Bytes
GlobalView Basic Software:	19,767,296 Bytes
Total Disk Space Required:	82,681,856 Bytes

[Continue] [Clear All] [Cancel Setup] [Help]

Select packages to install. Select "Files..." if you want to choose applications within a package.

The GLOBALVIEW Disk Space Usage screen appears.

✦ **CAUTION:** The reserved disk space must be large enough to hold all GLOBALVIEW software and your data files. Be sure you select an amount sufficient for your needs. For information, see "Plan your disk space" in chapter 1. To change reserved disk size later, you can use the GV Admin tool.✦

```
┌─────────────────────────────────────────────────────────────┐
│ ⊟              GlobalView Disk Usage                         │
├─────────────────────────────────────────────────────────────┤
│  ▣                                                           │
│                                        C:\                    │
│                  GlobalView:        82,681,856               │
│                  Space Available:   95,502,336               │
│                                                               │
│    ┌─────────┐   ┌──────────┐   ┌────────────┐  ┌────────┐   │
│    │Continue │   │ Changes...│   │Cancel Setup│  │  Help  │   │
│    └─────────┘   └──────────┘   └────────────┘  └────────┘   │
│    To accept disk space usage, select Continue                │
└─────────────────────────────────────────────────────────────┘
```
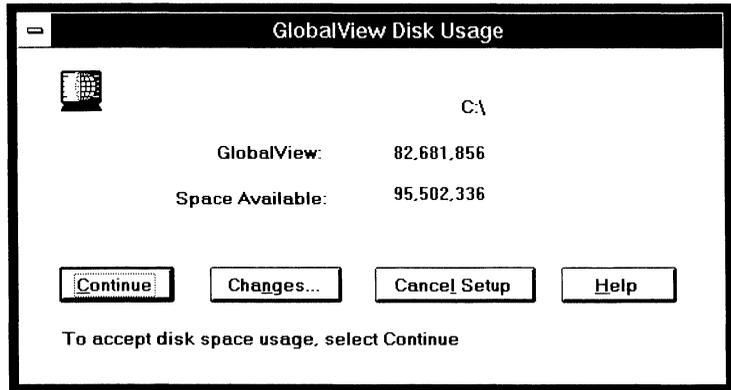
6. To accept the disk space usage, select Continue. If you
    want to change the location or size of the reserved disk,
    select Changes, make any changes, then select Continue.

    ✦ **CAUTION:** If you change location, remember you can
    only install the reserved disk in a subdirectory if you are
    not using 32-bit access.✦

    The GLOBALVIEW Configuration screen appears.

```
┌─────────────────────────────────────────────────────────────┐
│ ⊟                  GlobalView Configuration                  │
├─────────────────────────────────────────────────────────────┤
│  ▣        Make any desired changes to the following settings. If GlobalView │
│           was already installed, these are the settings you had before.     │
│                                                               │
│ ┌GlobalView Workspace Size──────────────┐ ┌Xerox Network Access─┐ │
│ │ ◉ Same Size as Screen                 │ │                     │ │
│ │   ◉ Show Windows title bar when full screen │ │ ○ Disable     │ │
│ │   ○ Do not show Windows title bar when full screen │ │        │ │
│ │ ○ Custom:  800   Wide  600   High     │ │ ◉ Enable Specify Driver... │ │
│ └───────────────────────────────────────┘ └─────────────────────┘ │
│                                                               │
│ ┌───────────────────────────────────────────────────────────┐ │
│ │ Time Zone Settings:     Pacific Standard        ▼         │ │
│ │                                                           │ │
│ │ GlobalView Workspace Color:   Same as Hardware  ▼        │ │
│ └───────────────────────────────────────────────────────────┘ │
│                                                               │
│   ┌─────────┐   ┌──────────┐   ┌────────────┐  ┌────────┐     │
│   │Continue │   │Advanced...│   │Cancel Setup│  │  Help  │     │
│   └─────────┘   └──────────┘   └────────────┘  └────────┘     │
└─────────────────────────────────────────────────────────────┘
```

7. Set the configuration options, according to the following guidelines. Selecting Help describes the configuration categories.

    a. Change the Workspace settings, if desired.

    b. In the Xerox Network Access area, select one of the following:

        Disable—If you will **not** be using a Xerox Document Services network.

        Enable—If you will be using a Xerox Document Services network. Be sure you installed the network adapter and modified the PROTOCOL.INI and CONFIG.SYS files as described in chapter 3, before rebooting your computer, if you select this option. You will also need to install the Document Services Access package. If you are installing from floppy disk, use the procedure for "Adding packages" after you complete these instructions.

    c. In the Time Zone Settings area, select your country or local time zone name from the drop down list.

    d. In the GLOBALVIEW Workspace Color area, select one of the following from the scroll down list:

        Same as hardware—Uses the number of colors installed in your Windows display driver.

        Black and White—Uses black and white in the workspace. (GLOBALVIEW runs fastest in Black and White.)

        16 Colors—Makes 16 colors available in the workspace.

        256 Colors—Makes 256 colors available in the workspace. (You must have set up Windows for 256 colors before you can use 256 colors in GLOBALVIEW.)

    e. If you want to decrease the virtual memory size allocated to the GLOBALVIEW reserved disk, select Advanced...then select the 2 MB option. If you want to enable printing banner pages for PostScript print jobs, you can make the change here. This option also displays the Registration Codes for each installed GLOBALVIEW package.

8. Select Continue.

   The percent complete indicator shows the percentage of software files installed.

   ✦ **CAUTION:** While the software is being installed, do not do other Windows tasks.✦

9. If you are installing from floppy disks, insert the specified installation disks when requested.

   Setup installs the Basic Software and then the Application Software. When the Application Software indicator reaches 100%, all software has been copied to your hard disk. Next, you are asked how you want to handle modifying system files.

10. When Setup asks if you want to modify your WIN.INI, SYSTEM.INI, and AUTOEXEC.BAT files:
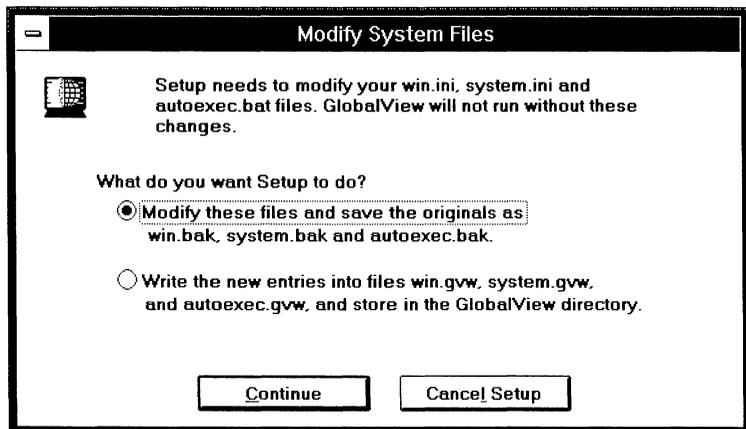
Modify System Files

Setup needs to modify your win.ini, system.ini and autoexec.bat files. GlobalView will not run without these changes.

What do you want Setup to do?

◉ Modify these files and save the originals as win.bak, system.bak and autoexec.bak.

○ Write the new entries into files win.gvw, system.gvw, and autoexec.gvw, and store in the GlobalView directory.

[Continue]   [Cancel Setup]

- It is recommended that you select Modify these files... Then select Continue. When a message appears confirming the files were modified, select Continue.

- To update the files manually, select Write the new... Then select Continue. When a message indicates that files were created, select Continue.

11. When the Setup Complete window appears, select:

    Exit to Windows.

    Setup stops and returns to Windows so you can reboot your system and start GLOBALVIEW.

    ✦ **Caution:** If you will use the Document Services Network, be sure you install the network board and drivers and make any required changes to SYSTEM.INI and PROTOCOL.INI files **before** rebooting your computer. See chapter 3 for Document Services network access alternatives.✦

12. If you elected not to modify the WIN.INI, SYSTEM.INI, and AUTOEXEC.BAT files in step 10, do so now. See Appendix A.

The GLOBALVIEW program group now exists in the Program Manager. It has four icons: GLOBALVIEW, GV Setup, GV Admin, and the Quick Tour.
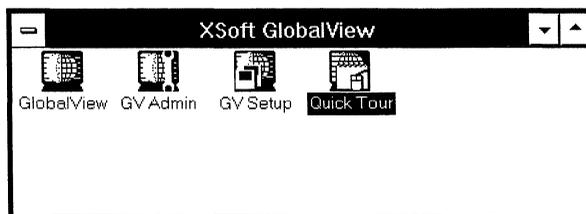
13. Reboot your computer.

14. Start GLOBALVIEW for the first time, following the steps in the next section. During startup, the software installation is finished.

15. If you installed the language option for Chinese and Japanese, see "Enhancing performance" in chapter 5.

If you want to install more software packages from floppy disks, see the section "Adding packages" after you start GLOBALVIEW.

Starting GLOBALVIEW after software installation

You start GLOBALVIEW like other Windows applications. The first time you start GLOBALVIEW after installing a software package, the installation of software on the reserved disk is completed. This requires extra time.

GLOBALVIEW creates a workspace for each person using it. To protect the privacy of your workspace, you use your name and a password to access it.

If your name is not registered, you need to register it in one of two places:

- On your workstation, if you did not install Document Services Access.

- In the Clearinghouse of the Document Services network. See your network administrator to obtain your registered name and password.

GLOBALVIEW requires a three-part ("fully qualified") name in the following format:

Your Name:Domain:Organization

The domain and organization are used by the Document Services network. If you do not have this network, make up the domain and organization names. For example:

Jane Smith:Marketing:XSoft

To start GLOBALVIEW after software installation:

1. Double-click the GLOBALVIEW icon in the XSoft GLOBALVIEW program group.

Inside the GLOBALVIEW window, the pointer changes to an hourglass, then to numbers. The numbers are maintenance panel (MP) codes and can be used by a support representative to determine where a problem

exists in the software, should one occur. Appendix B has a partial listing of MP codes.

The first time you start GLOBALVIEW, it can take 10 to 80 minutes before the GLOBALVIEW Logon option sheet appears. The time depends on your computer speed and how many applications you installed. During this time, installation is completed.

2. When the Logon option sheet appears, type your full user name in the Name box.

    The name can be up to 80 characters long and include spaces. Case does not matter. If your computer is on a Xerox Document Services network, type your name exactly as registered in the network.

3. Enter your password in the Password box.

    Asterisks appear so no one can read your password. Case does not matter, but do not type spaces or press RETURN.

4. Select Start.

    If you enter incorrect characters or press RETURN, you receive an error message. Press BACKSPACE to erase the characters or delete the name or password and start over.

    A message asks if you want to create a new workspace.

5. Select Start.

    After a few minutes, a GLOBALVIEW workspace appears.

6. See the *GLOBALVIEW for Microsoft Windows Workspace User Guide* for information on setting up your workspace by copying icons from the Directory.

7. The Loader icon is used to view and change the status of software applications. Some applications do not run automatically after a Custom installation. You can run them from the Loader, and change them to run automatically in the future. See the *GLOBALVIEW for Microsoft* Windows *Workspace User Guide* for information on the Loader and running applications.

✦ **Note:** GLOBALVIEW has internal time and time zone settings. While booting, GLOBALVIEW attempts to synchronize these to the time and time zone it gets from the Document Services network time server. If your computer has never been connected to this network, GLOBALVIEW uses the time

zone specified on the Configuration sheet. If your computer is connected to this network, GLOBALVIEW saves the time zone of the network. If you disconnect from the network, GLOBALVIEW uses the time zone it saved from the last network connection.

Do not use Exit with Quick Restart when you log off if you plan to move your computer to a network in a new time zone. Use the Exit log off option instead.◆

Obtaining samples, tutorial files, downgraders and printer fonts

After GLOBALVIEW is installed and running, you can use PC File Access to copy any of the following types of files to your workspace from the software media.

The files are in compressed format. PC File Access uncompresses the files when you copy them to the workspace. Do not attempt to copy files directly to an icon. When the PC file contains several GLOBALVIEW files, it expands to a folder with the files inside.

See the *GLOBALVIEW for Microsoft Windows Workspace User Guide* for information on using PC File Access.

- **Sample files**—Use these as templates for creating your own documents. See *A Guide to GLOBALVIEW Online Samples* for details. All sample files are compressed into a PC file that expands into the GlobalViewOnlineSamples folder when you copy it to GLOBALVIEW. The PC file is located on the Auxiliary Disks in the WorksPlus package and on the WORKSAUX directory on the CD-ROM or network.

- **Tutorial files**—Use these to complete the exercises in the tutorial manuals. All tutorial files are compressed into a PC file that expands into the TutorialExercises folder when you copy it to GLOBALVIEW. The PC file is located on the WorksPlus Auxiliary Disks and in the WORKSAUX directory on the CD-ROM or network.

- **Application Developers Toolkit Samples, XIF Display Tool and Divide Tool**—Use the samples as programming examples if you are a programmer using the Application Toolkit. The XIF tools are explained in the toolkit manuals. All sample files are compressed into a PC file

located on the WorksPlus Auxiliary Disks and in the WORKSAUX directory on the CD-ROM or network.

- **Illustrator Auxiliary Files**—Use these as examples for Pro Illustrator and Chemical Illustrator. All files are compressed into a PC file that expands into a folder when you copy it to GLOBALVIEW. The PC file is located on the Samples and Tutorial Disk in the Illustrator package and in the ILLUSAMP directory on the CD-ROM or network.

- **Downgraders**—Provide the downgraders to people you share GLOBALVIEW files with if they are not using GVWin. You need to copy the downgrader folders to a GVWin workspace first to expand the files to GLOBALVIEW format, then give them to your colleagues. Give the GVWin DownGrader to anyone using GVWin 1.x. Give the appropriate 6085_Family_And_XGV_PC DownGraders to anyone using 6085 or XGV PC systems. Give the appropriate Sun Downgraders file to anyone using GLOBALVIEW on a SPARCstation. They need to copy the downgrader file to their Loaders. The downgraders are located on the WorksPlus Auxiliary Disks and in the WORKSAUX directory on the CD-ROM or network.

Printer fonts   Fonts for Desktop Printing (Local Printing) are available on the GLOBALVIEW media. The fonts are compatible with local or networked PCL or XES printers. If you are using PostScript printing, the PostScript fonts are located in the PSFONTS directory on the C drive. See the *GLOBALVIEW for Microsoft Windows Printing User Guide* for more font information.

If you are using LP Windows Printing, a TTFONTS directory is created on the C drive. Before you use the LP Windows Printing application, the fonts in this directory must be registered with the Windows system.

✦ **Note:** Use the Fonts applet in Windows Control Panel icon to register the TrueType fonts. After the fonts are registered to the Windows system, you can remove or move this directory if additional space is needed on the C drive.✦

You can add printer fonts after installation by copying them to your workspace. Use PC File Access to copy all fonts to your workspace, except the Chinese and Japanese fonts on floppy disk. If you install from a CD-ROM, access the CD-ROM drive from Windows, and then use drag and drop to copy files from the CD-ROM to your workspace.

Open your Loader icon, select Show Printer Fonts to view the Font Loader window, select Edit Font Directory, copy or move the fonts from your workspace to your Font Directory folder, then select Save Font Directory option and close the Loader icon. See the following information.

- **WorksPlus printer fonts**—The majority of the printer fonts are on the Desktop Printing Font disks in the WorkPlus package and in the PRNTFONT directory on the CD-ROM or network. Each font file name indicates the font name, and whether it is bold, italic, etc. An example of names for Classic font files is shown in the following table.

Font	PC file name	GLOBALVIEW file name
Classic regular	CLASIC.PF_	Xerox.XC1-3-3.Classic
Classic bold	CLASBOLD.PF_	Xerox.XC1-3-3.Classic-Bold
Classic bold italic	CLABLDIT.PF_	Xerox.XC1-3-3.Classic-Bold-Italic
Classic thin	CLASTHIN.PF_	Xerox.XC1-3-3.Classic.Thin
Classic thin bold	CLATHNBD.PF_	Xerox.XC1-3-3.Classic.Thin.Bold

In addition to Classic font, there are font files for Avant Garde Gothic, Bookman, Bold PS, Century Schoolbook, Courier, Elite, Equation, Equation brackets, Garamond, Helvetica, Letter Gothic, Modern, Monotype Bodoni, New Baskerville, OCR A and B, Omega, Optima, PC Terminal, PS Bold, Palacio, Pica, Scientific, Souvenir, Spokesman, Square3PS, Symbol, Terminal, Times, Titan, Trend, Triumvirate, Trojan, Univers, Vintage, Zapf Chancery, and Zapf Dingbats.

- **Arabic Printer Fonts**—Use these fonts if you use Desktop Printing and GV Arabic Text Package. The files are on the Arabic package Application Software disk and in the ARABIC directory on the CD-ROM or network.

- **Hebrew Printer Fonts**—Use these fonts if you use Desktop Printing and GV Hebrew Text Package. The files are on the Hebrew package Application Software disk and in the HEBREW directory on the CD-ROM or network.

- **Chinese and Japanese Printer Fonts**—Use these fonts if you use Desktop Printing and GV Chinese/Japanese Text Capabilities. The files are on the Chinese and Japanese package Printer Fonts disks and the CHINJAPN directory on

the CD-ROM or network. See "Installing Chinese and Japanese language options" for more information.

Adding packages

After installing the WorksPlus package, you can install additional software packages or selected applications from packages.

✦ **Note:** After adding a package, do not run File Check or use the delete options in GV Admin until you have booted GLOBALVIEW.✦

To install additional software packages or applications:

1. If GLOBALVIEW is running, end your session and select Exit in the Logoff options.

2. Double-click the GV Setup icon in the XSoft GLOBALVIEW program group window.

   Setup detects the current version of GLOBALVIEW and asks what you want to do.

   ```
   ┌─────────────────────────────────────────────────────┐
   │ ▬              Existing Version of GlobalView         │
   ├─────────────────────────────────────────────────────┤
   │   ┌──┐     Setup has found an existing version of     │
   │   │▦▦│     GlobalView in the directory,               │
   │   └──┘                C:\GVWIN                         │
   │                                                       │
   │   What do you want Setup to do?                       │
   │                                                       │
   │        ◉ Change configuration                         │
   │                                                       │
   │        ○ Add GlobalView packages                      │
   │                                                       │
   │        ○ Reinstall/Upgrade GlobalView in same directory│
   │                                                       │
   │        ○ Install GlobalView in a new directory        │
   │                                                       │
   │          ┌──────────┐     ┌──────────────┐            │
   │          │ Continue │     │ Cancel Setup │            │
   │          └──────────┘     └──────────────┘            │
   └─────────────────────────────────────────────────────┘
   ```

3. Select Add GLOBALVIEW Packages, then select Continue.

4. Select the packages you want to add from the following menu:

```
┌─────────────────────────────────────────────┐
│ ■        Add Packages                        │
│  ┌──┐    Select one or more packages you wish to add. │
│  │▦▦│                                         │
│  └──┘                                         │
│  ┌────────────────────────────────────────┐  │
│  │Chinese and Japanese                    │  │
│  │Database Access                         │  │
│  │Document Services Access Advanced       │  │
│  │Document Services Access Basic          │  │
│  │GV Analyst                              │  │
│  │GV Arabic                               │  │
│  │GV Hebrew                               │  │
│  │GV Illustrator                          │  │
│  │WorksPlus                               │  │
│  │WorksPlus Font Supplement               │  │
│  └────────────────────────────────────────┘  │
│                                               │
│        ┌────────┐      ┌────────┐             │
│        │  Add   │      │ Cancel │             │
│        └────────┘      └────────┘             │
└─────────────────────────────────────────────┘
```
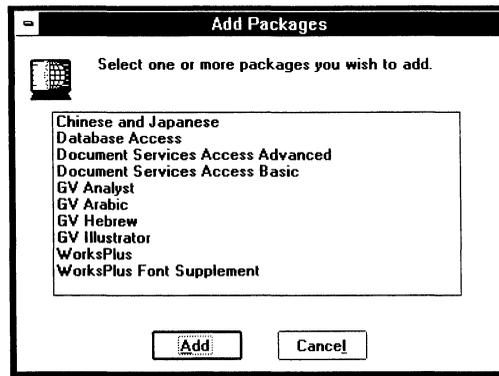
5. You are asked to specify the drive and directory where the new package's files are located.

```
┌─────────────────────────────────────────────┐
│ ■        Specify Source Directory            │
│  ┌──┐    In order to add packages to the current │
│  │▦▦│    GlobalView directory, a source directory must be │
│  └──┘    provided.  This is typically the location of the │
│          installation media.                  │
│                                               │
│          CD-ROM and floppy media are typically "D:\" and │
│          "A:\", respectively.  To add GlovaView packages │
│          from the network, specify the PC network path to │
│          the GlobalView installation directory. │
│                                               │
│          Install from: ┌──────────────────┐   │
│                        │A:\               │   │
│                        └──────────────────┘   │
│     ┌──────────┐   ┌────────┐   ┌─────────┐   │
│     │ Continue │   │ Cancel │   │ Browse..│   │
│     └──────────┘   └────────┘   └─────────┘   │
└─────────────────────────────────────────────┘
```

6. Enter the software location in the Install from: box, using the following guidelines:

- For floppy disks, enter either **A:** or **B:** depending on which is the 1.44 MB drive

- For PC network, enter the network location (drive, directory, and subdirectory name(s)) for the software, for example
  F:\gvwin\image\setup\ANALYST

- For CD-ROM, enter the CD-ROM drive name, directory, and subdirectory name(s) (or use the

Browse option to find the package(s) you want to install) for example **D:\ANALYST**

✦ **Note:** See page 4-38 for Directory names.✦

7. Select Continue.

When installing from floppy disk, a message asks you to insert the source media.

8. Do the following:

a. If you are installing from floppy disk or CD-ROM, insert the media from the package.

b. Select Continue.

9. Select the package you want to install from the Custom Installation window. If installing from CD-ROM or network, you can select more than one package.

10. If the package has not been installed before, enter the registration code for the package. Select Continue. (The registration code is on the package's Registration Card.)

When the code is verified, an X appears beside the package name and you see the amount of disk space required.

11. If you want to install all software in the package, skip this step. If you do not want to install all software in the package, do the following:

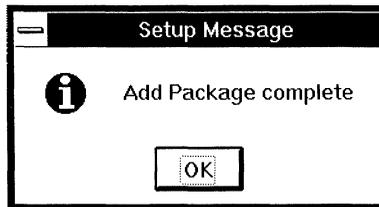a. Select the Files button to see a list of the software modules in the package.

b. Scroll through the list and deselect the software you do **not** want to install. (By default all files are highlighted [selected] for installation.)

c. When you have deselected all software you do not want installed, select OK.

12. When you finish selecting software, select Continue.

The installation begins.

13. If requested, insert additional floppy disks.

INSTALLING GLOBALVIEW

14. When the Setup Message window indicates "Add Package complete," select OK.

```
┌─────────────────────────────────────┐
│ ▭        Setup Message              │
├─────────────────────────────────────┤
│                                     │
│   ⓘ     Add Package complete        │
│                                     │
│            ┌──────────┐             │
│            │   OK     │             │
│            └──────────┘             │
└─────────────────────────────────────┘
```

15. Select Continue in the Custom Installation window.

    The installation is complete. You do not need to reboot your computer after adding packages.

16. If you installed the language option for Japanese or Chinese, see "Enhancing performance" in chapter 5.

    The first time you start GLOBALVIEW after adding a package, the installation completes by copying the software into the Loader. This takes extra time, so be patient.

Installing Chinese and Japanese language options

To use Chinese or Japanese language options, you must have at least an 80 MB reserved disk. The installation procedure differs with the type of media you use.

CD-ROM and network installation—If you are installing from CD-ROM or the network, use the previous procedure for "Adding packages."

Floppy disk—If you are installing from floppy disk, the install procedure has two phases:

• Installing the Chinese/Japanese Essentials, using GV Setup.

• Copying the Chinese and Japanese Text Capabilities and screen font files to the GLOBALVIEW Loader, using the GV Floppy Tool. The files are on a GLOBALVIEW format disk.

See the *GLOBALVIEW for Microsoft Windows Workspace User Guide* for information on the Loader and Floppy Tool.

GLOBALVIEW FOR MICROSOFT WINDOWS INSTALLATION GUIDE   4-27

To install Chinese and Japanese from floppy disks:

1. Install the software from the Chinese/Japanese Essentials Disk using GV Setup. See the previous procedure for "Adding packages."

2. Use the Floppy Tool (icon labeled Floppy Drive) to copy the text capability and screen font files for the language of your choice to your workspace. The files are on the Text Capability disks. (The Copy key is PAGE UP.)

    *   The files for Chinese are:

            GV Chinese Text Capability
            VP Chinese Classic Fonts
            VP Chinese Modern Fonts

    *   The files for Japanese are:

            GV Japanese Text Capability
            VP Japanese Classic Fonts

3. Open the GLOBALVIEW Loader.

4. Select the text capability and screen font files in the workspace, press the Move key (PAGE DOWN), and click the left mouse button inside the Loader.

5. Run the text capability and screen fonts by selecting each one and selecting Run in the Loader window header.

    See the *GLOBALVIEW for Microsoft Windows Workspace User Guide* for information about running applications in the Loader.

6. If you use Desktop Printing, do the following:

    a. Copy Modern or Classic printer font files for your language to your workspace using the Floppy Tool. The files are on the Printer Font disks.

        *   The files for Chinese are:

                Xerox.XC1-3-3.Classic+Chinese
                Xerox.XC1-3-3.Modern+Chinese

        *   The files for Japanese are:

                Xerox.XC1K.Classic+Japanese.08Point
                Xerox.XC1K.Classic+Japanese.10Point
                Xerox.XC1K.Classic+Japanese.12Point

Xerox.XC1K.Classic+Japanese.14Point
Xerox.XC1K.Classic+Japanese.18Point

Xerox.XC1K.Modern+Japanese.08Point
Xerox.XC1K.Modern+Japanese.10Point
Xerox.XC1K.Modern+Japanese.12Point
Xerox.XC1K.Modern+Japanese.14Point
Xerox.XC1K.Modern+Japanese.18Point

b. Open the GLOBALVIEW Loader, then select Show Printer Fonts. (You may need to increase the Loader window size to see this entry in the window header.)

c. When the font directory appears, select Edit Font Directory.

d. Select the font files in the workspace, press the Move key (PAGE DOWN), and click the left mouse button inside the Font directory.

e. When all files are moved to the Font directory, select Save Font Directory, then Close All.

Changing the GLOBALVIEW configuration

After you have installed GLOBALVIEW, you can use GV Setup to modify the configuration. If you logged off using the Exit with Quick Restart logoff option, you need to log on and log off again using the Exit option. The Exit with Quick Restart logoff option remembers the configuration settings, which prevents GLOBALVIEW from restarting correctly.

If GLOBALVIEW is running when you want to change the configuration, use the Exit option to logoff GLOBALVIEW.

If you plan to enable Xerox Network Access, install the network board and drivers first. See chapter 3, "Installing Document Services network access" for additional information.

To change the GLOBALVIEW configuration:

1. Open the XSoft GLOBALVIEW program group and double-click the GV Setup icon.

2. Be sure Change Configuration is selected, then select Continue.

    The GLOBALVIEW Configuration screen appears.

3. Change the configuration option(s), then select Continue.

    If you need more information, select Help or see step 7 in the "Continuing with a custom installation" section of this chapter.

4. When Setup asks if you want to modify your WIN.INI, SYSTEM.INI, and AUTOEXEC.BAT files:

    a. It is recommended that you select Modify these files... Then select Continue. When a message confirms the files were modified, select Continue.

    b. To update the file manually, select Write the new ... Then select Continue. You need to modify these files when you complete installation. See Appendix A.

    A message indicates Configuration update was successful.

5. Select Exit to Windows. If you changed time or network settings, reboot your computer.

Upgrading GLOBALVIEW 1.1 to GLOBALVIEW 2.1

Users upgrading from GVWin 1.x to GVWin 2.1 should take precautions to save their workspace files prior to upgrading. You will reinstall all of the GLOBALVIEW WorksPlus basic, invisible, and loader application software as part of the upgrade process.

✦ **CAUTION:** Be certain that your reserved disk has enough space to hold two copies of the software you are upgrading. (See the package size table in chapter 1 for a size guide for one copy.) The extra space is required during the installation process only.

Check the number of Free Disk Pages indicated in your GLOBALVIEW workspace header. Each Disk Page is equivalent to 512 bytes; dividing the Disk Page number by 2 gives you the number of kilobytes. To convert megabytes to Disk Pages, multiply by 2048.✦

If your reserved disk space is limited, use GV Admin to delete files before upgrading, as explained in the "Error recovery" section, chapter 5.

If your PC is networked, you can store your workspace on the Document Services network and retrieve it after you upgrade GVWin 1.x to 2.1. Again, you must allow for enough disk space to hold the workspace and the GVWin 2.1 software.

✦ **CAUTION:** If you want to change the reserved disk size or location during the GVWin 1.1 to GVWin 2.1 upgrade, be sure you archive important files and/or workspaces first. Using GVWin 1.x and changing the size or location of the reserved disk deletes your workspace and data files.✦

Go to the procedure "To reinstall all Workspace software and applications" on page 4-34 for the steps to upgrade your GVWin software from version 1.1 to 2.1.

After you upgrade to GVWin 2.1, check the Loader to ensure that the applications have the 2.1 version number.

Reinstalling GLOBALVIEW

The basic procedures for reinstalling software are similar to upgrading. The actual steps vary with the category of software you want to update. GLOBALVIEW software files have these categories:

- **Workspace software and basic applications**—These files include GLOBALVIEW PC format software in the GVWIN directory and the basic workspace software on the reserved disk, including invisible applications that do not show in the Loader. These files are the Workspace Essentials from the WorksPlus package and provide basic underlying GLOBALVIEW functions. Without them GLOBALVIEW will not run.

- **Applications**—These files show in the Loader and provide specific features such as Chart, Draw, and conversions.

Reinstalling software does not delete your workspace or data files unless you change the reserved disk location, or select the Delete reserved disk option. If you Delete the reserved disk, all your workspace and data files will be deleted.

✦ **CAUTION:** Be certain that your reserved disk has enough space to hold two copies of the software you are reinstalling. (See the package size table in chapter 1 for a size guide for one copy.) The extra space is required during the installation process only.

Check the number of Free Disk Pages indicated in your GLOBALVIEW workspace header. Each Disk Page is equivalent to 512 bytes; dividing the Disk Page number by 2 gives you the number of kilobytes. To convert megabytes to Disk Pages, multiply by 2048✦.

If your reserved disk space is limited, use GV Admin to delete files before reinstalling, as explained in the "Error recovery" section, chapter 5.

Reinstalling applications

If you want to reinstall applications, you do not have to reinstall the Workspace Software and Basic files.

If you reinstall an application without deleting the old one first, the old application files are not replaced until you start GLOBALVIEW again. This means you need twice the space until you complete the reinstall.

Deleting the software applications from the Loader before reinstalling reduces the amount of reserved disk space required during installation. The application cannot be running when you delete it.

✦ **CAUTION:** If you delete the reserved disk or change the reserved disk location during reinstall, be sure you archive important files and/or workspaces first. Refer to the *GLOBALVIEW for Microsoft Windows Workspace User Guide*.✦

To reinstall applications files:

1. If you have enough space, go to step 2 now. If you want to delete applications and save reserved disk space during installation, do the following:

    a. End your GLOBALVIEW session, selecting the Exit option.

    b. Use GV Admin to change the boot switch to Run GLOBALVIEW with Auto-run Temporarily Disabled on

All Applications. (See "Changing boot switches" in chapter 5.)

   c. Run GLOBALVIEW.

   d. Open the Loader and delete the applications you want to reinstall.

   e. End the GLOBALVIEW session, selecting the Exit option.

2. Use the procedure in "Adding packages" to install one or all of the applications in the GLOBALVIEW packages.

   ✦ **Note:** If you see the message "An unrecoverable error has occurred... Volume has insufficient space..." you need to use GV Admin to delete applications before you can reinstall. See the "Error recovery" section in chapter 5 for the procedure.✦

3. Run GLOBALVIEW.

The first time GLOBALVIEW runs after software installation requires a longer boot time before the installation process completes. If you installed new applications without deleting old ones first, the old ones are deleted at this time.

Reinstalling the Workspace software and Basic applications

The Reinstall/Upgrade option in GV Setup is used to reinstall the software in the GVWIN directory and the basic Workspace software in the reserved disk. These files are the Workspace Essentials from the WorksPlus package and are required for GLOBALVIEW to run.

✦**CAUTION:** During reinstall, your reserved disk must have space to temporarily hold two copies of the software. If you see the message, "An unrecoverable error has occurred... Volume has insufficient space...," you need to use GV Admin to delete the Workspace Software and applications before you can reinstall.✦

While reinstalling the Basic software, you can also install applications. If installing from floppy disk, you can install any applications in the WorksPlus package, then use the GV Setup icon and follow the "Adding packages" section in this chapter. When reinstalling from CD-ROM or network, you can install applications from all of the packages.

✦ **CAUTION:** If you want to delete the reserved disk or change the reserved disk location during reinstall, be sure you archive important files and/or workspaces first. Refer to the *GLOBALVIEW for Microsoft Windows Workspace User Guide.*✦

When Reinstall has finished, the new software files are copied over the existing ones. Applications that are not reinstalled will not be deleted. You can delete them from the Loader first, if you want.

To delete software before reinstalling:

1. End your GLOBALVIEW session, selecting the Exit option.

2. Use GV Admin to select and execute one of the following options. (See "Error recovery" in chapter 5 for details.)

    • **Delete all GV workspace software and applications**— Deletes all GLOBALVIEW software in the reserved disk, including invisible applications, and applications in the Loader.

    • **Delete GV workspace software and basic applications**—Deletes the workspace software and invisible applications in the reserved disk. It does not delete applications, such as GV Draw, from the Loader. Use this when you want to reinstall the Workspace Essentials from the WorksPlus package.

To reinstall Workspace software and applications:

1. Run Setup from floppy disk, CD-ROM, or the PC network. Refer to "Starting a new installation" at the beginning of this chapter for details.

2. Setup detects the existing version of GLOBALVIEW and asks what you want to do. Do one of the following:

    • To keep your existing reserved disk space and directory, select Reinstall/Upgrade GLOBALVIEW in the same directory, then select Continue.

    • To install in a new directory, select Install GLOBALVIEW in a new directory, and select Continue. Enter the new directory path in the Install in box, and select Continue. If you see a message that the directory does not exist, select Create Directory.

3. Select Custom (not Express) and then Continue from the installation window.

Continue with the "Continuing with a Custom installation" procedure, steps 1 through 5, on page 4-11.

Setup locates your existing reserved disk. Selecting Help shows information about your choices.

```
┌─────────────────────────────────────────────────────────┐
│ ▬                 Reserved Disk File Found                │
├─────────────────────────────────────────────────────────┤
│                                                           │
│       Setup has found a GlobalView Reserved Disk File on  │
│                                                           │
│                      C:\GVWIN001.DSK                      │
│                   Size:   45,793,280 Bytes                │
│                                                           │
│     Do you want to keep this Reserved Disk File, which includes your │
│     GVWin workspace(s)?                                   │
│                                                           │
│          WARNING:  Selecting Delete destroys your GVWin   │
│          workspace(s) and creates a new Reserved Disk File! │
│                                                           │
│                                                           │
│    ┌────────┐   ┌────────┐   ┌────────────┐   ┌────────┐  │
│    │ Keep   │   │ Delete │   │ Cancel Setup│   │  Help  │  │
│    └────────┘   └────────┘   └────────────┘   └────────┘  │
└─────────────────────────────────────────────────────────┘
```

4. Do one of the following:

   • To keep your existing reserved disk, data files and workspaces, select Keep.

   • To change the reserved disk size and delete your GVWin workspace:

     a. Select Delete.

     b. Read the warning that appears and select Yes.

     c. The GLOBALVIEW Disk Usage window appears,

     d. Select Continue if you want to accept the size indicated. Select Changes to view the Advanced GLOBALVIEW Reserved Disk File Options window, then select a size from the Reserved Disk File field.

     e. Select OK.

     f. When the GLOBALVIEW Disk Usage window appears, select Continue.

   The GLOBALVIEW Configuration screen appears.

5. Choose the configuration options, then select Continue.

    If you need more information, select Help or see step 7 in the section, "Continuing with a custom installation."

    A percent complete indicator shows the percentage of software files installed.

    ✦ **CAUTION:** While the software is being installed, do not do other Windows tasks.✦

6. If you are installing from floppy disks, insert the remaining installation disks when requested.

    Setup installs the Basic Software and then the Application Software. When the Application Software indicator reaches 100%, all software has been copied to your hard disk.

7. When Setup asks if you want to modify your WIN.INI, SYSTEM.INI, and AUTOEXEC.BAT files, do one of the following:

    •   To modify the files and save the old versions as backup files, select Modify these files and save... Then select Continue. When a message appears confirming the files were modified, select Continue.

    •   To update the files manually, select Write the new... Then select Continue.

8. When the Setup Complete window appears, select:

    Exit to Windows

    Setup stops and returns to Windows so you can reboot your computer before starting GLOBALVIEW.

9. If you elected not to modify the WIN.INI, SYSTEM.INI, and AUTOEXEC.BAT files in step 7, do so now. See Appendix A.

    You have completed the setup.

10. Reboot your computer.

11. Start GLOBALVIEW. This will complete the installation process.

If you are installing from floppy disk, use the procedure in "Adding packages" to add applications from other packages.

Placing installation files on a PC network

This procedure is for network administrators who want to put the GLOBALVIEW software on a PC network server. The software can then be installed on individual PCs over the network as described at the beginning of this chapter.

✦ **Note:** If you have a GVWin CD ROM version, simply copy the contents of the CD to your PC network location. For example, g\gvwin\image, where g is the network location. The following instructions describe creating a GVWIN image on the net using floppies.✦

To copy GLOBALVIEW software from floppies to a PC network drive:

1. Create an installation directory (for example, \gvwin\image) on the network server. Within it, create the following subdirectories:

   GVWORKS
   WORKSAUX
   PRNTFONT

2. Copy all files from the WorksPlus Basic Software disks to the installation directory.

3. Copy all files from the WorksPlus Application Software disks to the GVWORKS subdirectory.

4. Copy the following files from the WorksPlus Auxiliary disks (downgraders, online samples and tutorials, etc.) to the WORKSAUX subdirectory:

   1DBROUTG.TB
   3APPTLKT.SA_
   3GVONLIN.SA_
   3TUTEXER.CI_
   6085GVPC.DG_
   GVWIN.DG_
   OBJCTLIN.KE_
   SUN.DG_
   XIFDISPL.TO_
   XIFDIVID.TO_

5. Copy the following files from the WorksPlus Auxiliary disk 1, subdirectory "netinstl" to the installation directory to the installation directory. This will overwrite files of the same name that might already be there.

    GVSETUP.IN_
    GVSETUP2.IN_
    GVSETUP2.INF
    PACKDESC.TXT
    PACKDESC.TX_

6. Copy all files from the WorkPlus Desktop Printing Fonts disks to the PRNTFONT subdirectory.

7. If you have purchased additional packages, create subdirectories for the packages:

    • **Document Services Access**—Create DSA subdirectories, DSABASIC, DSA, and DSAETHER, and copy the listed files to the directories as shown in the next table.

DSABASIC (from DSA Basic Software disk)	DSA (from the DSA Advanced software disk)	DSAETHER (from the Xerox Network Driver disk)
COVSHTML.AG_	ASYNCTER.BS_	EVD.386
GVSETUP2.INF	GVSETUP2.INF	GVNETCLI.INF
MAIL._	GVSHARED.BK_	GVNETDRV.SYS
OBJCONVU.TI_	PACKDESC.TXT	GVNETTRN.INF
PACKDESC.TXT	REMSYSAD.MI_	GVTOKDRV.SYS
REFERIC.ON_		GVWINODI.COM
REMPRINT.IN_		GVWMAIN.EXE
		OEMSETUP.INF

• **Analyst**—Create an ANALYST subdirectory and copy all files to it from the disks.

• **Illustrator**—Create an ILLUSTR subdirectory and copy all files to it from the disks.

• **Advanced Language Options: Arabic**—Create an

ARABIC subdirectory and copy all files to it from the disks.

- **Advanced Language Options: Hebrew**—Create a HEBREW subdirectory and copy all files to it from the disks.

- **Advanced Language Options: Chinese/Japanese**—Create a CHINJAPN subdirectory and copy all files to it from the disks.
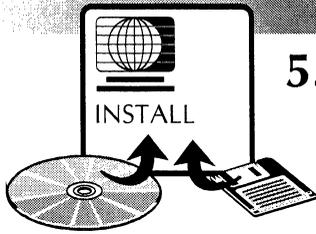
INSTALL

5.   Using GV Admin

The GV Admin tool provides options for booting the installer, deleting software, recovering from errors and resizing the reserved disk. Some of the error recovery options are designed for use by system administrators or under the guidance of a support representative. Error recovery options can cause data loss if used inappropriately.
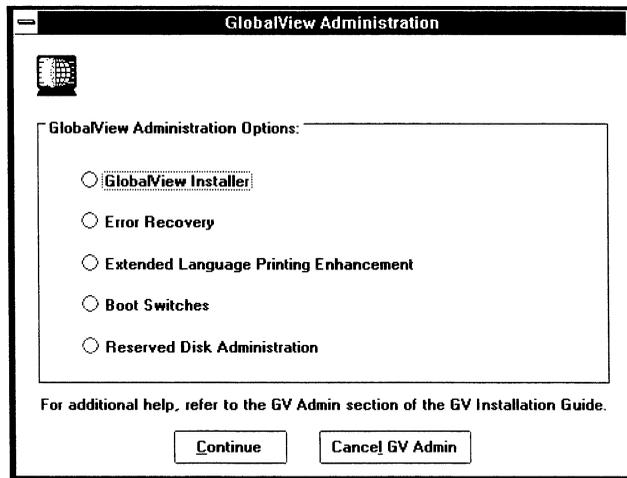
Double-clicking the GV Admin icon brings up this window.

Installer   Using GV Admin, a user or a system administrator can boot the Installer software, which can be used to detect problems and provide status for the reserved disk—page 5-3

Error recovery   These options let you:

- Delete GLOBALVIEW software files—page 5-5

- Run File Check after error code 7511 displays—page 5-7

Enhancement Enhancement option lets you improve the printing performance of Japanese and Chinese characters when you have the Advanced Language Option installed—page 5-8

Boot switches Using GV Admin, a user or a system administrator can change boot switches to—page 5-10

- Start GLOBALVIEW without running applications so you can delete applications in the Loader

- Enable remote network debugging (for Shared Document Services networks) by support personnel

- Change GLOBALVIEW startup to create new basic icons if one of the icons in the Directory is corrupt

- Set other boot switches, as directed by support personnel

Reserved disk administration This option lets you:

- Change the size of your reserved disk, to increase or decrease the amount of space allocated to GVWin—page 5-11

- Defragment the reserved disk file by resizing to the same amount of disk space—page 5-12

Accessing GV Admin

To access GV Admin:

1. If GLOBALVIEW is running, end the session and select the Exit logoff option.

2. Double-click the GV Admin icon in the XSoft GLOBALVIEW program group.

   The GlobalView Administration options window appears.
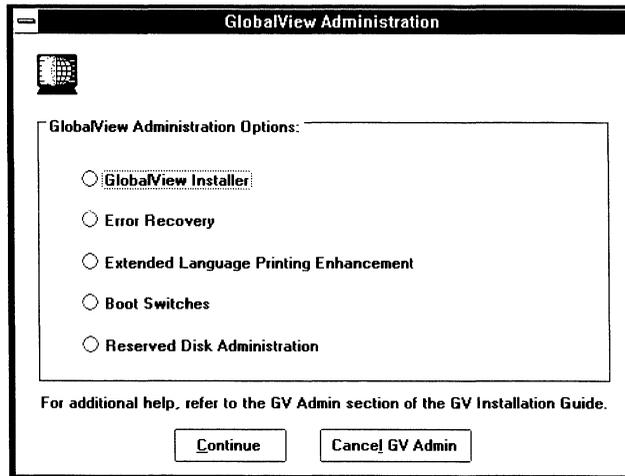
3. Select one of the GV Admin options.

4. Select Continue.

Go to the appropriate section(s) in this chapter for details on each of the options.

Booting the Installer

The Installer is software used during some GV Admin functions.

When you boot the Installer from GV Admin, a system administrator or support representative can use it to determine problems and status in the reserved disk.

Two other location options (Xerox network server and Floppy disk) are available for use by support personnel under special circumstances.

To boot the Installer:

1. Select the GlobalView Installer option in the GlobalView Administration options window.

2. Select Continue.

The installer window appears.
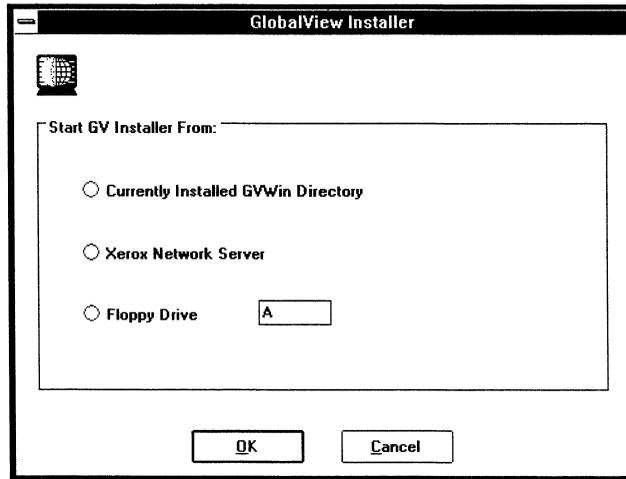
3. Select the option for starting the GV Installer and continue under the guidance of a support representative.

Error recovery

By selecting the Error recovery option, you can:

*   **Delete all GV workspace software and applications—** Deletes all GLOBALVIEW software in the reserved disk, including invisible applications, applications in the Loader, and the basic software.

*   **Delete GV workspace software and basic applications—** Deletes GLOBALVIEW workspace software in the reserved disk. It does not delete applications from the Loader.

*   **Delete user-defined GV applications—**Use this option under the direction of a support representative. It deletes applications from a list that must be created first.

*   **Install and Run GV File Check—**Use this option when GLOBALVIEW fails to start or fails during use and displays the number 7511.

If you want to delete applications without deleting Workspace software, use the Loader instead of GV Admin. See "Changing boot switches" in this chapter. Then refer to the *GLOBALVIEW for Microsoft Windows Workspace User Guide* to learn about deleting software in the Loader.

To delete software files:

Be sure you logged off GLOBALVIEW using the Exit option.

1. Select the Error Recovery Option in the GlobalView Administration options window and Continue.

   The Error Recovery options window appears.
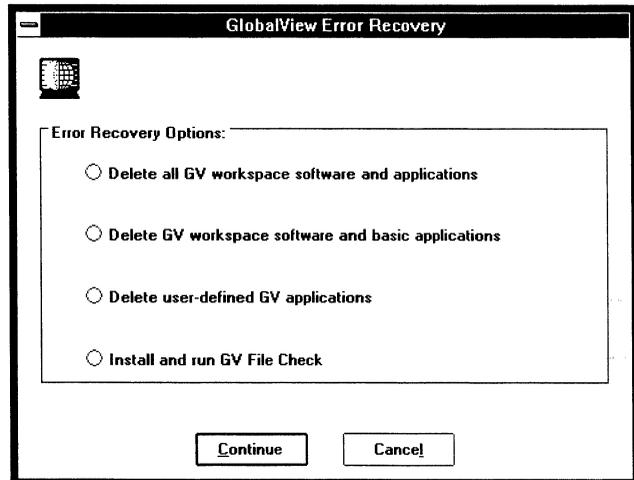
2. Select one of the following options:

   Delete all GV workspace software and applications— Deletes all GLOBALVIEW software in the reserved disk, including invisible applications, basic applications, and applications in the Loader. If you intend to reinstall the Workspace Essentials from WorksPlus, as well as all applications you are using, use this option before you reinstall.

   Delete GV workspace software and basic applications— Deletes workspace software in the reserved disk. It does not delete applications from the Loader, such as GV Draw. Use this when you want to reinstall only the Workspace Essentials from the WorksPlus package.

   Delete user-defined GV applications—Use this option under the direction of a support representative. It deletes applications from a list that must be created first.

   Install and Run GV File Check—Use this option when GLOBALVIEW fails to start or fails during use and displays the number 7511. See the following section, "Running File Check" for details.

3. Select Continue.

4. Read the warning message and select OK in the Error Recovery Confirmation window. (Or, you can select Cancel if you change your mind after reading the warning.)

5. Wait until the numbers in the Installer window stop at 7604. This can take several minutes.

6. Select Terminate in the window menu. Select OK in response to the warning message.

7. If you deleted the GLOBALVIEW workspace software, you cannot run GLOBALVIEW until you reinstall the Workspace Essentials that are part of the WorksPlus package.

Running File Check

If GLOBALVIEW fails to start or fails during use and displays the number 7511 when the pointer is in the GLOBALVIEW workspace, you might need to run File Check. If you are not familiar with this procedure, check with your system administrator or support personnel first.

The file check process detects and corrects problems in the reserved disk file system.

✦ **CAUTION:** Do not run File Check if you have not booted GLOBALVIEW for the first time after installation.✦

To run File Check:

✦ **CAUTION:** Before running File Check, it is recommended that you run PC diagnostics to verify the status of the hard disk.✦

1. Select the Error Recovery option in the GlobalView Administration options window and Continue.

2. Select the Install and Run GV File Check option from the Error Recovery options menu.

   A warning message appears.

3. Read the warning message and select OK. (Or, select Cancel if you change your mind after reading the warning.)

   ✦ **CAUTION:** Do not terminate File Check once it has started. Let it run to completion. This can take an hour or many hours, depending on the problems that File Check finds and the size of the reserved disk.✦

4. Wait for the GLOBALVIEW Logon Option sheet to appear, indicating that File Check has completed successfully.

Enhancing performance

The enhancement option for improving Extended Language Printing performance makes permanent changes that stay in effect after rebooting.

Language option—If you print documents that contain Japanese or Chinese characters, enable this enhancement option for Extended Language Option Printing. This allows the print formatter to use more space, thus speeding up printing.

To enable enhanced language printing performance enhancements:

1. Select the Extended Language Printing Enhancement Option.

   The Extended Language Printing Enhancement option sheet appears.

   Extended Language Printing Enhancement

   This option is available for use with documents which contain Japanese and/or Chinese (Extended Language) characters. If enabled, this option instructs the print formatter to allocate a larger amount of workspace to print documents.

   If this option is disabled, attempting to print documents containing Extended Language characters will result in very poor performance.

   WARNING: Be sure to install and enable the appropriate Extended Language font files before attempting to print documents containing Extended Language characters.

   ┌ Extended Language Printing Option: ┐

   ○ Enable   ○ Disable

   [**OK**]   [Cancel]

   ---

2. Read the explanation and warning message and select
    Enable if you want to use the enhancement.

3. Select OK. (Or deselect Enable or Select Cancel if you
    change your mind.)

    The GLOBALVIEW window appears with MP codes while
    this function is being enabled.

4. Wait for the message window to appear, indicating that
    the process has finished that tells you to restart
    GLOBALVIEW.

Changing boot switches

By selecting the Boot Switch option, you can:

*   **Run GLOBALVIEW with Auto-run temporarily disabled on
    all applications**—This allows you to manually delete
    applications from the Loader. Applications cannot be
    deleted when running.

*   **Start Network System with Remote Debugging**—This
    option can be used if deemed necessary by your support
    representative or system administrator.

*   **Change GLOBALVIEW startup to create new basic icons**—
    This option creates a new Directory the next time you start
    GLOBALVIEW. Use this option if one of the icons in your
    Directory has been corrupted or does not appear to work.

*   **Other**—This option allows you to start GLOBALVIEW using
    different parameters. It should be used under the
    guidance of a system administrator or support represen-
    tative.

Boot switch changes are temporary and affect only the next
startup of GLOBALVIEW. After that, GLOBALVIEW returns to its
original startup configuration. If you have set the
Enhancement option, this will not be in effect when the boot
switches are temporarily changed.

To change the GLOBALVIEW boot switches:

1. Select the Boot Switches option in the GlobalView Administration options window.

    The Boot Switch options menu appears.
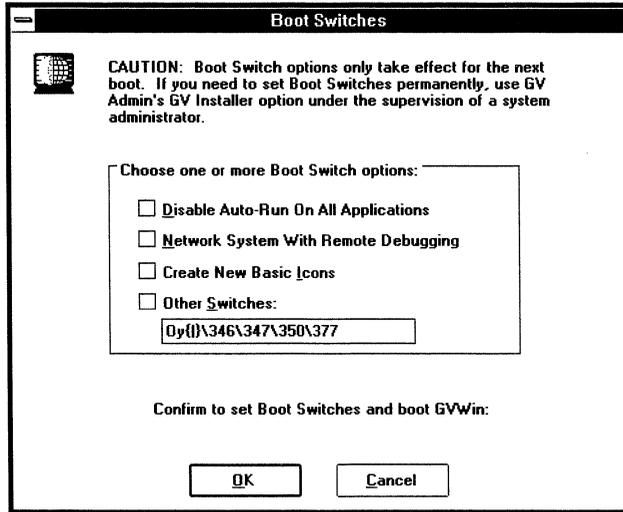
2. Select one or more Boot Switch options you want and select OK.

    The Boot Switches option window closes.

3. Wait for GLOBALVIEW to start and the Logon Option sheet to appear, then logon to your workspace.

    The selected boot switch will be in effect. For example, if you temporarily disabled all applications, you can go into the Loader and delete applications. If you want to run an application, select it and select Run in the Loader window header.

4. When you no longer want to use that Boot Switch, end the session and select Exit in the Logoff option sheet.

    When you start GLOBALVIEW again, the original boot switches are used.

Changing the size of your reserved disk

By selecting the Reserved Disk Administration option you can increase or decrease the size of your reserved disk.

To change the size of your Reserved Disk:

1. Select the Reserved Disk Administration option in the GlobalView Administration options window. The following window appears.

```
┌─────────────────────────────────────────────────────────┐
│ ▬              Reserved Disk Administration              │
├─────────────────────────────────────────────────────────┤
│ ┌───┐                                                    │
│ │▦▦▦│   ┌─ Current Settings ──────────────────────────┐  │
│ └───┘   │  Location:   C:\                             │  │
│         │                                              │  │
│         │  Size:      54   MB                          │  │
│         └──────────────────────────────────────────────┘  │
│         ┌─ New Settings ──────────────────────────────┐  │
│         │   Location:   C:\                            │  │
│         │                                              │  │
│         │   Space Available:                   39 MB   │  │
│         │   Maximum Size:                      31 MB   │  │
│         │   Minimum Size:                      28 MB   │  │
│         │   New Size:           ┌──────────┐   MB      │  │
│         │                       └──────────┘           │  │
│         └──────────────────────────────────────────────┘  │
│           ┌──────────┐  ┌──────────┐  ┌──────────┐       │
│           │   OK     │  │  Cancel  │  │  Browse  │       │
│           └──────────┘  └──────────┘  └──────────┘       │
└─────────────────────────────────────────────────────────┘
```
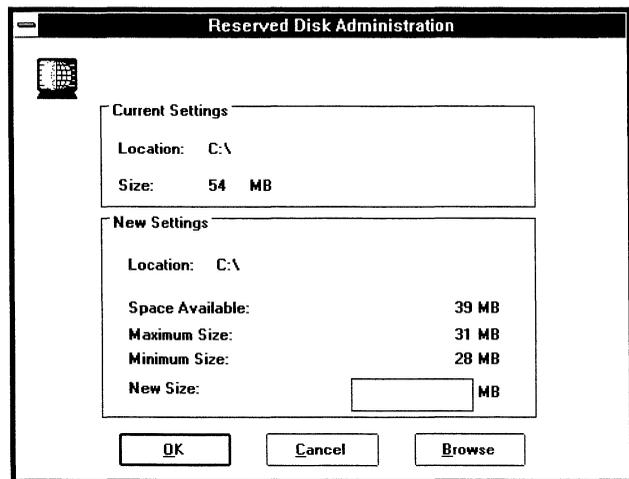
2. Enter the size of the Reserved Disk File based upon the amount of space available. Enter a value between the displayed minimum and maximum values. You may select the Browse option and choose another location for your Reserved Disk File.

```
┌────────────────────────────────────────────────────┐
│ ▬     Reserved Disk Administration                 │
├────────────────────────────────────────────────────┤
│                                                    │
│  ┌──┐   Please enter a disk size between the Minimum and Maximum │
│  │ i│   displayed.                                  │
│  └──┘                                               │
│                      ┌────────┐                     │
│                      │  OK    │                     │
│                      └────────┘                     │
│                                                    │
└────────────────────────────────────────────────────┘
```
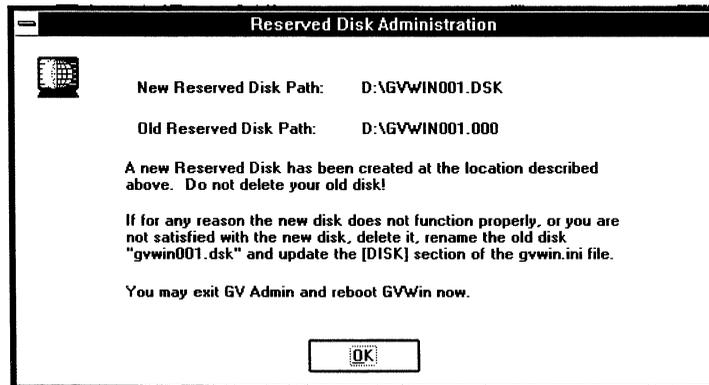
◆ **Note:** If you enter the same disk size, this option defragments the current reserved disk file.◆

3. Select OK to begin the operation or Cancel if you do not wish to continue. If you continue, a progress window, with the message, "Please wait" appears.

4. The following window appears when the resizing completes.

```
┌────────────────────────────────────────────────────────────┐
│ ▬          Reserved Disk Administration                    │
├────────────────────────────────────────────────────────────┤
│  ┌──┐                                                       │
│  │▒▒│   New Reserved Disk Path:      D:\GVWIN001.DSK        │
│  └──┘                                                       │
│         Old Reserved Disk Path:      D:\GVWIN001.000        │
│                                                             │
│         A new Reserved Disk has been created at the location described │
│         above.  Do not delete your old disk!                │
│                                                             │
│         If for any reason the new disk does not function properly, or you are │
│         not satisfied with the new disk, delete it, rename the old disk │
│         "gvwin001.dsk" and update the [DISK] section of the gvwin.ini file. │
│                                                             │
│         You may exit GV Admin and reboot GVWin now.         │
│                                                             │
│                         ┌────────┐                          │
│                         │  OK    │                          │
│                         └────────┘                          │
└────────────────────────────────────────────────────────────┘
```

5. Read the instructions, click OK and restart GLOBALVIEW.
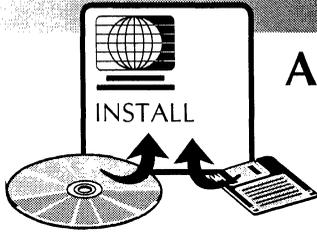
Technical information

INSTALL

Changing SYSTEM.INI, WIN.INI, and AUTOEXEC.BAT files

GLOBALVIEW creates a GVWIN.INI file and requires additions to the SYSTEM.INI, WIN.INI, and AUTOEXEC.BAT files. If you are installing Document Services Access, additional system file changes are needed. Refer to chapter 3 and the associated Appendix for details on installing GVWin in specific network configurations.

During installation, you are asked if you want to modify these files automatically or manually. If you elect to make changes manually, the information is saved in a file. You must make the changes before booting GLOBALVIEW for the first time.

Following is an example of the changes required.

SYSTEM.INI—In section titled [386Enh], these lines are added:

DEVICE=C:\GVWIN\EVD.386

DEVICE=C:\GVWIN\WEMU387.386

DEVICE=C:\GVWIN\DSD.386

DEVICE=C:\GVWIN\TIM.386

DEVICE=C:\GVWIN\IIF.386

WIN.INI—In the section titled [GVWIN], these lines are added:

Version=2.1

Path=C:\GVWin

AUTOEXEC.BAT—A line is inserted in the file before the WIN command if one is in the file. Here are some examples of time for Pacific Time and Taiwan Standard Time:

SET TZ=PST+08:00DST+07:00:00,98/02:00,305/02:00

SET TZ=TWN-8:00

Manual changes

Each value in the preceding example is set according to the values chosen by the Setup program. These values reflect the configuration decisions that you make. If you elect to change the SYSTEM.INI, WIN.INI, and AUTOEXEC.BAT files manually, Setup saves the values in files in the GLOBALVIEW directory. The files show the entries you need to make manually. The files are:

WIN.GVW contains entries for WIN.INI
SYSTEM.GVW contains entries for SYSTEM.INI
AUTOEXEC.GVW contains entries for AUTOEXEC.BAT

The values in your files will be different from the preceding example if your configuration is different. The GVWIN pathname will change if you decide to install in another directory. For example, if you install GLOBALVIEW in a directory called Xerox, then the SYSTEM.INI entries will change to:

DEVICE=C:\XEROX\EVD.386
. . .
DEVICE=C:\XEROX\IIF.386

Additionally, the WIN.INI path entry will change to:

Path=C:\XEROX

The value entered in SET TZ = may change depending on where you are located. (PST+8:00 is Pacific Standard Time, 8 hours offset from Greenwich Mean Time.)

Changing settings

If you change the System Setting for your Display in the Windows Setup options menu, you must make a corresponding change to the Workspace dimensions in your GVWIN.INI file. You can do this manually or by following the steps in "Changing the GLOBALVIEW configuration" in chapter 4, "Installing GLOBALVIEW."

If you decide to do it manually, use the following example as a guideline.

When the Display setting is changed from:

COMPAQ QVision, 1024x768x256, sm. res

to:

COMPAQ QVision, 800x600x256, sm. res

you must also change the [Windows] section in GVWIN.INI from:

WorkspaceWidth=1024

WorkspaceHeight=768

to:

WorkspaceWidth=800

WorkspaceHeight=600

Understanding GLOBALVIEW installation

GLOBALVIEW installation uses the GV Setup program. The final uncompressing and installation of the software is completed during the booting process the first time you run GLOBALVIEW after installation.

During installation, GLOBALVIEW installs different types of software files in different locations:

- PC format software files are installed in a PC directory, whose location can be specified by you or defaulted to C:\GVWIN

- GLOBALVIEW format software files are installed inside a reserved disk that is a PC file named GVWIN001.DSK. The reserved disk location can be specified by you or defaulted to C:\.

- PS printer fonts get installed in a PC directory PSFONTS if you install these optional fonts.

- Xerox versions of TrueType fonts get installed in a PC directory TTFONTS if you install LP Windows Printing.

The PC format files in the GVWIN directory are installed during Setup. You can see them from DOS or Windows File Manager after Setup has completed successfully. Do not change, delete, or modify these files. Any changes made by you can make GLOBALVIEW stop working and will require a reinstallation.

The GLOBALVIEW format files installed in the reserved disk are installed during the last phase of the install program. When you boot GLOBALVIEW, GLOBALVIEW uncompresses the files and finishes installing them. You are not able to access these files using the PC file system. They can only be accessed though GLOBALVIEW or GV Admin.

Within the reserved disk, there is a core set of software files that govern all underlying GLOBALVIEW functionality. These are the Workspace and Basic application files, and they include invisible applications that do not show in the GLOBALVIEW Loader. These files can only be deleted using GV Admin; when deleted, you must reinstall the Workspace Essentials from the WorksPlus package before you run GLOBALVIEW again.

The reserved disk also holds the application files that show in the Loader, such as GV Draw, GV Chart, and screen fonts. Using the Loader, you can set applications to run or be idle. You can delete applications from the Loader when they are idle.

Reserved disk   The reserved disk is a single DOS file named GVWIN001.DSK. You cannot see the files inside the reserved disk using Windows or DOS, as these are GLOBALVIEW format (not DOS format) files.

The reserved disk file, GVWIN001.DSK, contains all the workspaces for everyone using the computer, and all the software installed now or in the future. It is important to allocate enough space so that you do not run out of space. When reinstalling software, the old application will coexist with the new one until GLOBALVIEW is rebooted again. If your reserved disk space is limited, use the Loader or GV Admin to delete software files. See chapter 4, "Installing GLOBALVIEW" for information.

INSTALL
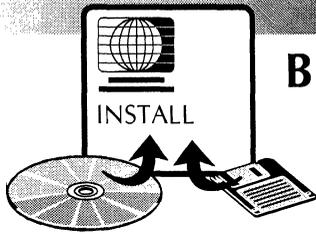
B.   Troubleshooting

Should you run into problems with GLOBALVIEW, there are several steps you can take to determine what is happening and take corrective action.

Maintenance Panel (MP) codes are numbers that appear when GLOBALVIEW is booting, or when the Installer is running, or when a problem occurs. The codes appear in place of your mouse pointer to indicate the status of the software or the probable cause of a software or hardware problem.

Refer to the tables in this appendix for the possible causes and explanations of the codes. The tables are as follows:

*   Table B-1, Common maintenance codes
*   Table B-2, Common cycling maintenance codes

If a single code replaces your pointer, refer to Table B-2.

If the codes indicate you should run the File Check program or replace software, refer to the procedures in chapter 2, "Checking hardware and software requirements," and chapter 4, "Installing GLOBALVIEW."

If you cannot resolve the problem, contact your support organization.

Common maintenance codes

Table B-1 lists common maintenance codes, possible causes, and the action to take when they appear in place of your pointer.

Table B-1.   **Common maintenance codes**

Code	Possible Cause	Action
0912	No boot file.	Install GLOBALVIEW software.
0915	Problem with software on hard disk.	Reboot GLOBALVIEW. If the reboot fails again at 0915, run PC diagnostic tests to verify hard disk status. If successful, install and run File Check software.
0919	Boot loader has finished its action and transferred control back. The two boot files apparently are incompatible.	Reboot from hard disk. If the system continues to hang, call your support organization.
0921	Boot loader indicates a device error on the device being loaded.	Same as for code 0915.
0929	No boot device is found.	Reinstall Workspace Essentials.
0937	Code displays until the time of day is available from the Ethernet Time Server or the hardware clock.	Check Ethernet connections. Ask the System Administrator if time is set at the server. If time is set, run PC diagnostics to verify hard disk status, and call your support organization.
0938	GLOBALVIEW was stopped using the Exit with Quick Restart option and the configuration of the PC was changed.	Restore PC to configuration before GLOBALVIEW was stopped. Restart GLOBALVIEW and log off using Exit option.
0950	System is verifying the contents of the logical disk volume. Time required depends on size, occupancy, and fragmentation of the volume.	**Do not interrupt this code.**

Table B-1.   **Common maintenance codes**

Code	Possible Cause	Action
0990	Appears with message "ViewPoint volume needs scavenging. Errors posted. Please Reboot." System requests a file check on its logical volume.	Run PC diagnostic tests to verify status of hard disk. If successful, install and run File Check software. If the diagnostic tests indicate problems with your hard disk, store your GVWIN001.DSK file to a network location before attempting to run disk utility programs. This will reduce the chance of losing your workspace and data files when you take corrective action to fix your hardware.
7500	File Check software is running. Time required depends on size, occupancy, and fragmentation of the volume.	**Do not interrupt this code.**
7504	The volume may need a File Check.	Run PC diagnostic tests to verify the status of the hard disk. DO NOT type "IV" or all of your data will be lost. If the diagnostic tests are successful, install and run the File Check software.
7511	System requests a file check on its logical volume.	Run PC diagnostic tests to verify the status of hard disk. If the diagnostic tests are successful, install and run File Check software. If PC diagnostics fail, call your PC hardware vendor.
7522 and/or 7530/+	A file check was unsuccessful.	Run the File Check software again. If it is unsuccessful again and displays the identical trailing codes, call your support organization.

Table B-1. **Common maintenance codes**

Code	Possible Cause	Action
7531 or 7545 or 7645 or 7745 or 7845 or 8045	Unrecoverable disk error. A disk page contains invalid data.	Run PC diagnostic tests to verify status of hard disk. If the tests pass, install and run File Check software. If the tests fail, call your PC hardware vendor.
7600	Normal GLOBALVIEW software startup.	No action required.
7604	System files were deleted from the hard disk.	Terminate GLOBALVIEW and reinstall GLOBALVIEW for Microsoft Windows.
7650	System is building a cache when booting. This cache will improve normal boot times.	No action required.
7700	NetCom or Standalone software is starting.	No action required.
7800	GLOBALVIEW applications set to load automatically at boot time are being loaded.	No action required.
8000	System is working fine.	No action required.

Common cycling maintenance codes

Problems might occur during startup, for example, if a file check deletes a file or application. In that case, the maintenance codes appear in the following format:

9999 XXXX NNNN NNNN NNNN ....

In this format, the indicators are as follows:

- 9999 indicates the beginning of the maintenance code sequence.
- 76XX, 77XX, 78XX, or 80XX indicates the phase in which the problem occurred. (X can be any number.) The phases are as follows:
  - 76XX indicates the boot phase
  - 77XX indicates the common software phase
  - 78XX indicates the applications phase
  - 80XX indicates the post startup phase.
- NNNN represents the codes that apply to the problem.

Table B-2 lists the cycling codes that indicate errors.

If you cannot resolve the problem, write down all of the cycling codes and contact your support organization.

Table B-2.   **Common cycling maintenance codes**

Code	Explanation	Action
9999 76XX	GLOBALVIEW software cannot start.	Contact your support organization.
9999 77XX	NetCom Standalone software cannot start.	Contact your support organization.
9999 78XX	An auto-run application cannot start.	Contact your support organization.
9999 80XX	Problem occurred after startup.	Contact your support organization.

Problem scenarios

Here are some tips on resolving some problems users have found on occasion.

Power off Quick Restart
If you Exit with Quick Restart and your system returns to the Logon window, you may not have enough free disk space to allow the system to save your workspace. This may be caused by disk fragmentation or by GVWin's inability to write the OUTLOAD file. To eliminate the problem, you can do the following:

- Delete the OUTLOAD file from the GVWin directory

- Run a Windows disk defragmentation utility

- Run a Windows file utility that scans the disk and identifies bad pages.

Quick Restart Boot fails
If you are not able to boot GLOBALVIEW after using the Exit with Quick Restart option, deleting the OUTLOAD file from the GVWin directory, then rebooting will restart GLOBALVIEW normally.

Add Package fails
If you are adding packages when the reserved disk is full and you get an error message that 0 reserved disk pages are available, do the following:

- Reboot the PC

- Run GV Admin tool, select the Reserved Disk Administration option, and increase the size of the reserved disk

- Run Add Package again.
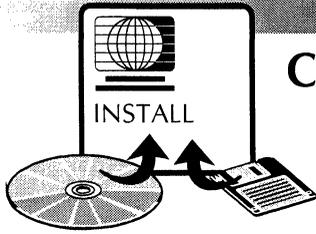
INSTALL

C.   Windows 3.1 system files

When installing network support for GLOBALVIEW and the Document Services network, you need to edit some of the system files.

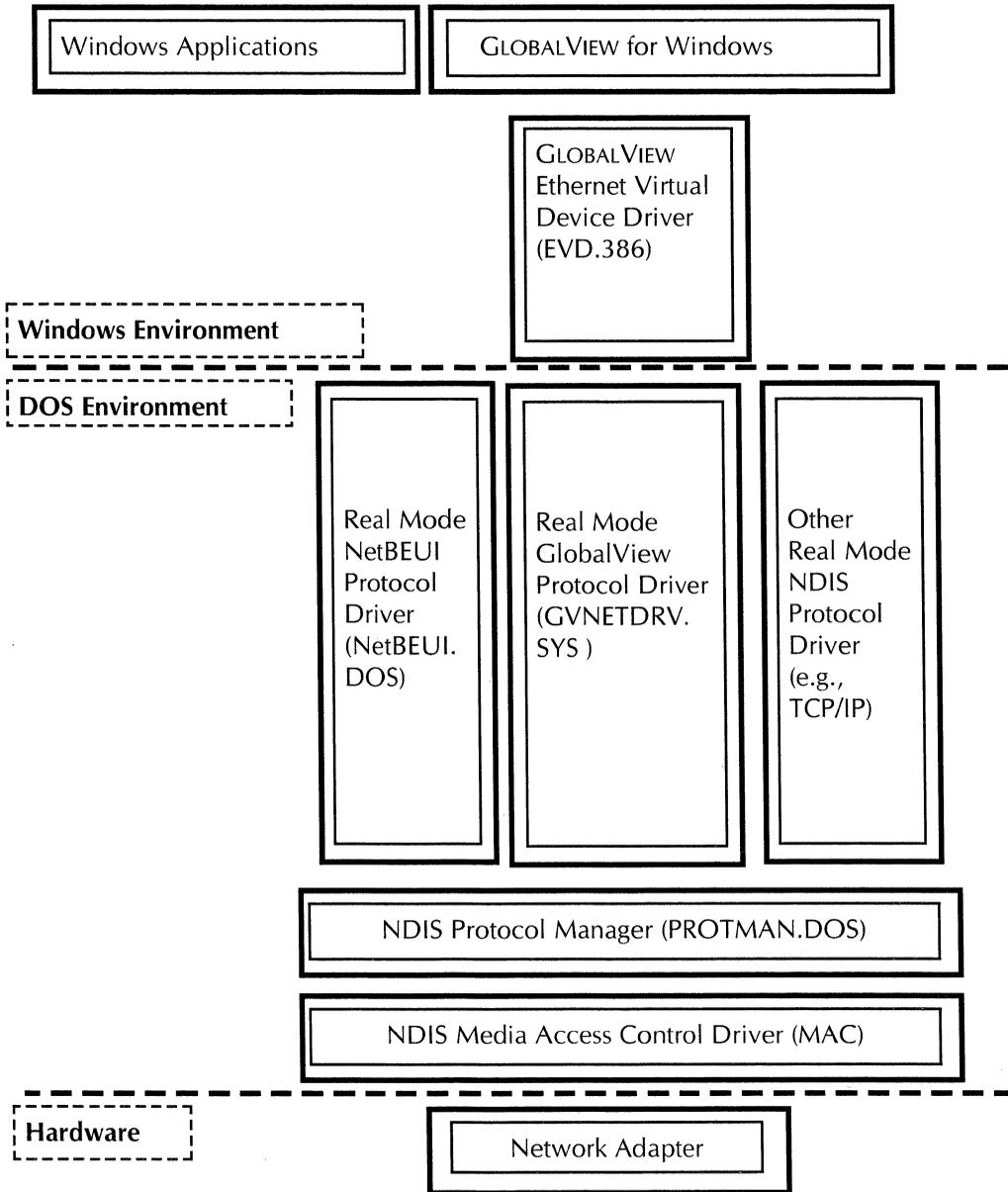Use these examples as guidelines for editing the files on your PC. In the examples, a 3Com Etherlink II network adapter is used.

> The > symbol marks changed or added lines in the example files.

Network configuration and architecture diagram

Figure C-1 depicts the components required to support GLOBALVIEW with Shared Document Services network access and an NDIS compliant PC network such as Windows 3.1.

Fig. C-1   **GLOBALVIEW for Windows NDIS Networking Components**

Windows Applications	GLOBALVIEW for Windows

```
                              GLOBALVIEW
                              Ethernet Virtual
                              Device Driver
                              (EVD.386)
```

Windows Environment

DOS Environment

Real Mode NetBEUI Protocol Driver (NetBEUI. DOS)	Real Mode GlobalView Protocol Driver (GVNETDRV. SYS)	Other Real Mode NDIS Protocol Driver (e.g., TCP/IP)

NDIS Protocol Manager (PROTMAN.DOS)

NDIS Media Access Control Driver (MAC)

Hardware

Network Adapter

Example of changes to CONFIG.SYS

```
    DEVICE=C:\WINDOWS\HIMEM.SYS
    DEVICE=C:\WINDOWS\EMM386.EXE I=E000-EFFF X=CC00-CFFF
    SHELL=C:\COMMAND.COM C:\ /P /E:4096
    DOS=HIGH,UMB
    FILES=40
    STACKS=9,256
    BUFFERS=50
    DEVICE=C:\WINDOWS\SMARTDRV.EXE /DOUBLE_BUFFER
>   DEVICE=C:\GVWIN\PROTMAN.DOS /i:C:\GVWIN
>   DEVICE=C:\GVWIN\ELNKII.DOS
>   DEVICE=C:\GVWIN\GVNETDRV.SYS
```

Example of change to AUTOEXEC.BAT

```
>   C:\GVWIN\NET START
    SET TZ=PST+08:00DST07:00:00,98/02:00,305/02:00
    path c:\windows
    @ECHO OFF
    PROMPT $p$g
    lh c:\dos\doskey
    SET TEMP=C:\DOS
    SET COMSPEC=C:\DOS\COMMAND.COM
    SET MOUSE=C:\WINDOWS
    lh C:\WINDOWS\mouse.COM /Y
```
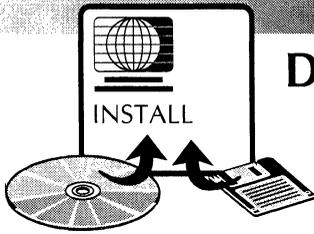
Example of change to PROTOCOL.INI

```
; Protocol Manager

[protman]
DriverName=PROTMAN$

; Section for 3Com Etherlink II

[ELNKII]
DRIVERNAME=ELNKII$
INTERRUPT=3
IOADDRESS=0x300
DMACHANNEL=1
XMITBUFS=1
TRANSCEIVER=EXTERNAL

; Section for GV Win Protocol Driver

[GVNETDRV]
DRIVERNAME=GVNDRV$
>    BINDINGS=ELNKII
```

Example of change to SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
[386Enh]
>    DEVICE=C:\GVWIN\EVD.386
EGA80WOA.FON=EGA80WOA.FON
EGA40WOA.FON=EGA40WOA.FON
CGA80WOA.FON=CGA80WOA.FON
CGA40WOA.FON=CGA40WOA.FON
DEVICE=C:\GVWIN\WEMU387.386
DEVICE=C:\GVWIN\DSD.386
DEVICE=C:\GVWIN\IIF.386
DEVICE=C:\GVWIN\TIM.386
32BitDiskAccess=off
     more entries follow these
```

D.   Windows for Workgroups system files

When installing network support for GLOBALVIEW and the Document Services network, Windows for Workgroups updates the system files. You do not need to manually edit the files.

Use these examples to view the changes in the system files. In the examples, a 3Com Etherlink III network adapter is used. There is no specific network configuration diagram here for Windows for Workgroups 3.11. The network drivers added are similar to those in the Windows 3.1 configuration (figure C-1).

> The > symbol marks changed or added lines in the example files.

Example of CONFIG.SYS

```
DEVICE=C:\DOS\SMARTDRV.EXE /DOUBLE_BUFFER
DEVICE=C:\DOS\HIMEM.SYS
DEVICE=C:\DOS\EMM386.EXE NOEMS
DEVICEHIGH=C:\DOS\SETVER.EXE
DOS=HIGH,UMB
BUFFERS=10,0
FILES=80
SHELL=C:\COMMAND.COM C:\ /P /E:8192
DEVICEHIGH=C:\WINDOWS\IFSHLP.SYS
LASTDRIVE=E
```

Example of AUTOEXEC.BAT

```
C: \DOS\SMARTDRV.EXE /V /L /X C 2048 2048
SET TZ=PST+08:00DST+07:00:00,98/02:00,302/02:00
BREAK ON
LH C:\WINDOWS\NET START
C:\WINDOWS\MSIPX
LH C: \WINDOWS\NETX
PATH C:\DOS;C:\WINDOWS;C:\;
@ECHO OFF
PROMPT $p$g
LH C:\DOS\DOSKEY
SET TEMP=C:\DOS
```

Example of changes to SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
    [386Enh]
    DEVICE=C:\GVWIN\WEMU387.386
    DEVICE=C:\GVWIN\DSD.386
    DEVICE=C:\GVWIN\TIM.386
    DEVICE=C:\GVWIN\IIF.386
    NETWORK=*VNETBIOS,*VWC,VNETSUP.386,VREDIR.386,VSERVER.386
    DEVICE=C:\C700\BIN\VPFD.386
>   DEVICE=C:\WINDOWS\SYSTEM\EVD.386


    [network drivers]
    NETCARD=ELNK3.dos
>   TRANSPORT=*NETBEUI,MSIPX.SYS,GVNETDRV.SYS,NDISHLP.SYS
    DEVDIR=C:\WINDOWS
    LOADRMDRIVERS=YES
```

Example of changes to PROTOCOL.INI

```
    [network.setup]
    VERSION=0x3110
    NETCARD=MS$ELNK3,1,MS$ELNK3,3
    TRANSPORT=MS$NETBEUI,NETBEUI
    TRANSPORT=MS$IPX,MS$IPX
>   TRANSPORT=GVNETDRV,GVNETDRV
    TRANSPORT=MS$NDISHLP,MS$NDISHLP
    LANA0=MS$ELNK3,1,MS$IPX
    LANA1=MS$ELNK3,1,MS$NETBEUI
>   LANA2=MS$ELNK3,1,GVNETDRV
    LANA3=MS$ELNK3,1,MS$NDISHLP

    [protman]
    DRIVERNAME=PROTMAN$
    PRIORITY=MS$NDISHLP

    [MS$ELNK3]
    DRIVERNAME=ELNK3$

    [MS$IPX]
    DRIVERNAME=IPX$
    MEDIATYPE=NOVELL/ETHERNET
    BINDINGS=MS$ELNK3

>   [GVNETDRV]
>   DRIVERNAME=GVNDRV$
>   BINDINGS=MS$ELNK3

    [NETBEUI]
    DRIVERNAME=NETBEUI$
    SESSIONS=10
    NCBS=12
    BINDINGS=MS$ELNK3
    LANABASE=0

    [MS$NDISHLP]
    DRIVERNAME=NDISHLP$
    BINDINGS=MS$ELNK3
```
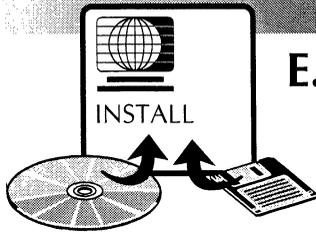
E. System files for Novell ODI

INSTALL

When installing GLOBALVIEW and Document Services network access on a PC connected to a Novell ODI network, you need to edit some of the system files.

The entries in the files vary depending on the type of network card in your PC and whether you have one or two cards.
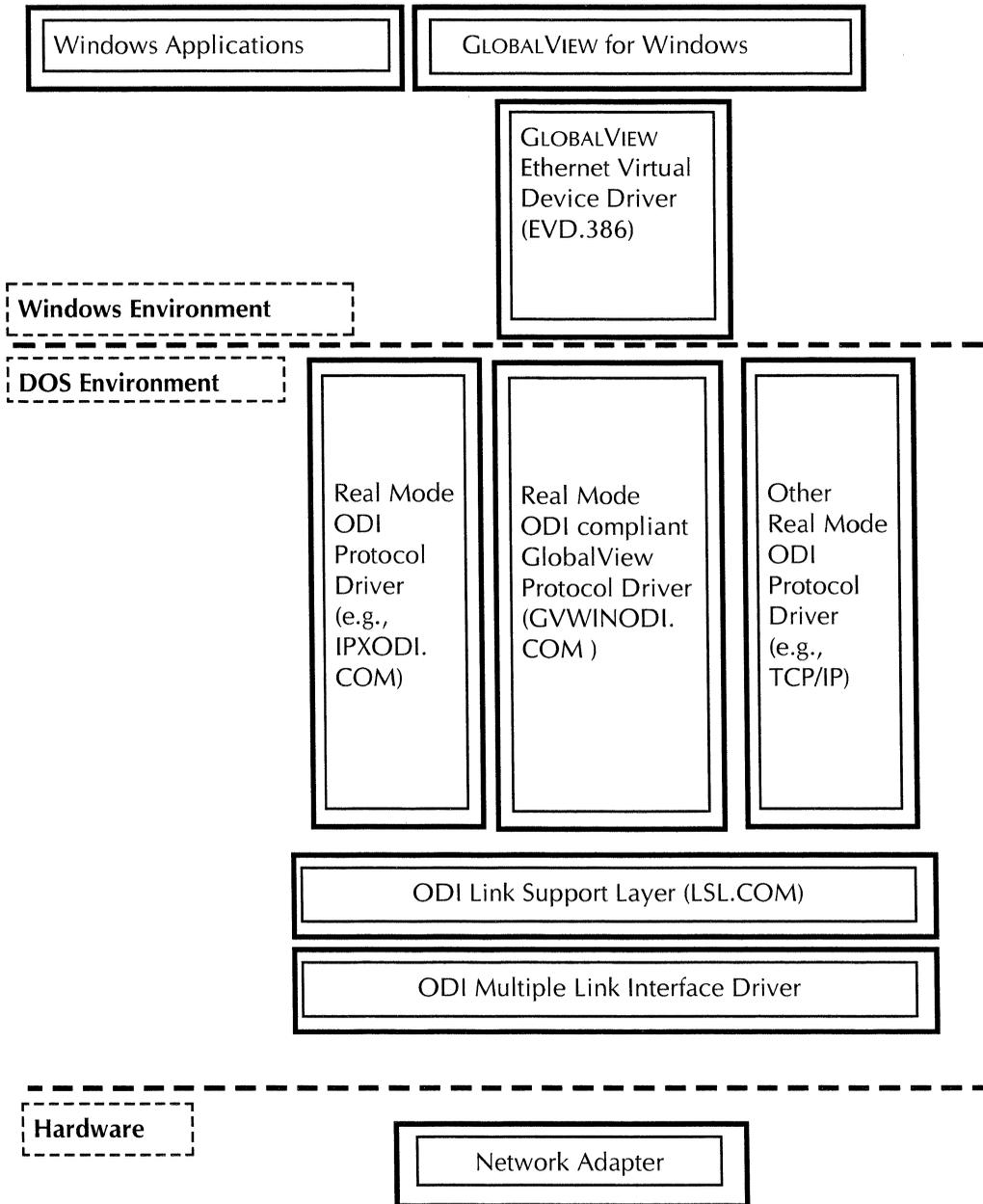
Use these examples as guidelines for editing the files on your PC. The examples use 3Com Etherlink II and 3Com Etherlink III network cards.

> The > symbol marks lines that are changed to added in the example files.

Network configuration and architecture diagram

Figure E-1 is an example network configuration that supports network connectivity in a Novell ODI environment.

Fig. E-1   **GLOBALVIEW for Windows Network Connectivity
in Novell ODI Environment**

Windows Applications	GLOBALVIEW for Windows

```
                              GLOBALVIEW
                              Ethernet Virtual
                              Device Driver
                              (EVD.386)
```

Windows Environment

- -

DOS Environment

Real Mode ODI Protocol Driver (e.g., IPXODI. COM)	Real Mode ODI compliant GlobalView Protocol Driver (GVWINODI. COM)	Other Real Mode ODI Protocol Driver (e.g., TCP/IP)

ODI Link Support Layer (LSL.COM)

ODI Multiple Link Interface Driver

- -

Hardware

Network Adapter

Example of system files for one card

Following is an example of the system files that support Novell ODI and GLOBALVIEW Document Services network access with one network card.

Example of change to AUTOEXEC.BAT

```
       SET TZ=PST+08:00DST07:00:00,98/02:00,305/02:00
       PATH C:\DOS;C:\WINDOWS;C:\NWCLIENT
       PROMPT $p$g
       C:\NWCLIENT\LSL
       C:\NWCLIENT\3C503
   >   C:\GVWIN\GVWINODI
       C:\NWCLIENT\IPXODI
       C:\NWCLIENT\NETX
```

Example of changes to NET.CFG

This example shows changes to the MLID section of the NET.CFG when an Etherlink II card is used.

Note: Some sections in the NET.CFG file are not shown here.

```
   >   LINK DRIVER 3C503
   >       FRAME ETHERNET_802.3
   >       FRAME ETHERNET_II
```

Example of change to SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
    [386Enh]
>   DEVICE=C:\GVWIN\EVD.386
    DEVICE=C:\GVWIN\WEMU387.386
    DEVICE=C:\GVWIN\DSD.386
    DEVICE=C:\GVWIN\IIF.386
    DEVICE=C:\GVWIN\TIM.386
    32BitDiskAccess=off
        more entries follow these
```

Example of system files for two network cards

In the following example files, Novell IPX protocol binds to the 3Com Etherlink III card, and the XNS protocol for GLOBALVIEW Document Services Access binds to the 3Com Etherlink II card.

Example of change to AUTOEXEC.BAT

```
    SET TZ=PST+08:00DST07:00:00,98/02:00,305/02:00
    PATH C:\DOS;C:\WINDOWS;C:\NWCLIENT
    PROMPT $p$g
    C:\NWCLIENT\LSL
    C:\NWCLIENT\3C503
    C:\NWCLIENT\3C5X9
>   C:\GVWIN\GVWINODI
    C:\NWCLIENT\IPXODI
    C:\NWCLIENT\NETX
```

Example of changes to NET.CFG

This example shows changes to the MLID section of NET.CFG when Novell IPX protocol binds to the 3Com Etherlink III card, and the XNS protocol for GLOBALVIEW Document Services Access binds to the 3Com Etherlink II card.

Note: Some sections in the NET.CFG file are not shown here.

```
> LINK DRIVER 3C5X9
>     FRAME ETHERNET_802.3
>     PROTOCOL IPX 0 ETHERNET_802.3
> LINK DRIVER 3C503
>     FRAME ETHERNET_II
>     PROTOCOL XNS 0600 ETHERNET_II
> PROTOCOL IPX
>     BIND 1
> PROTOCOL XNS
>     BIND 2
```

Example of change to SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
  [386Enh]
> DEVICE=C:\GVWIN\EVD.386
  DEVICE=C:\GVWIN\WEMU387.386
  DEVICE=C:\GVWIN\DSD.386
  DEVICE=C:\GVWIN\IIF.386
  DEVICE=C:\GVWIN\TIM.386
  32BitDiskAccess=off
      more entries follow these
```
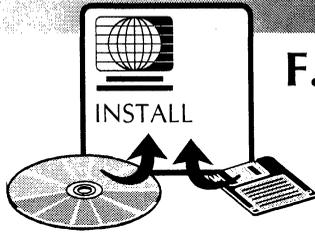
F. System files for Banyan VINES

When installing GLOBALVIEW and Document Services network access on a PC connected to a Banyan VINES network, you need to edit some of the system files.

✦ **Note:** Running Banyan Vines and Shared Document Services simultaneously on Windows 95 configurations is not recommended.✦

Use the following examples as guidelines for editing the files on your PC.

> The > symbol marks changed or added lines in the example files. The examples use 3Com Etherlink II and 3Com Etherlink III network cards. There is no specific network configuration diagram here for Banyan. The network drivers added are similar to those in the Windows 3.1 configuration (figure C-1).

Example of changes to PROTOCOL.INI

```
; Protocol Manager

[protman]
DriverName=PROTMAN$

; Section for 3Com Etherlink II

[ELNKII]
DRIVERNAME=ELNKII$
INTERRUPT=3
IOADDRESS=0x300
DMACHANNEL=1
XMITBUFS=1
;TRANSCEIVER=EXTERNAL
```

>   ; Section for GVWin Protocol Driver

>   [GVNETDRV]
>   DRIVERNAME=GVNDRV$
>   BINDINGS=ELNKII

>   ;Section for Banyan Protocol Driver

>   [VINES_XIF]
>   DRIVERNAME=NDISBAN$
>   BINDINGS=ELNKII

Example of change to AUTOEXEC.BAT

```
SET TZ=PST+08:00DST07:00:00,98/02:00,305/02:00
path c:\windows;c:\vines;c:\vines\ndis
@ECHO OFF
PROMPT $p$g
lh c:\dos\doskey
SET TEMP=C:\DOS
SET COMSPEC=C:\DOS\COMMAND.COM
SET MOUSE=C:\WINDOWS
lh C:\WINDOWS\mouse.COM /Y
CD \VINES\NDIS
```
> ```
BAN/NDISBAN
```
```
CD \
```

# Example of changes to CONFIG.SYS

```
    DEVICE=C:\WINDOWS\HIMEM.SYS
    DEVICE=C:\WINDOWS\EMM386.EXE I=E000-EFFF X=CC00-CFFF
    SHELL=C:\COMMAND.COM C:\ /P /E:4096
    DOS=HIGH,UMB
    FILES=40
    STACKS=9,256
    BUFFERS=50
    DEVICE=C:\WINDOWS\SMARTDRV.EXE /DOUBLE_BUFFER
>   DEVICE=C:\VINES\NDIS\PROTMAN.DOS /I:C:\VINES\NDIS
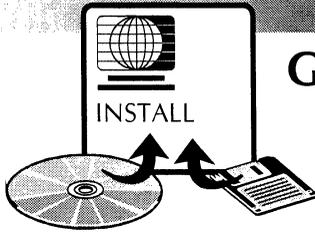>   DEVICE=C:\VINES\NDIS\ELNKII.DOS
>   DEVICE=C:\GVWIN\GVNETDRV.SYS
```

Example of change to SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
    [386Enh]
>   DEVICE=C:\GVWIN\EVD.386
    EGA80WOA.FON=EGA80WOA.FON
    EGA40WOA.FON=EGA40WOA.FON
    CGA80WOA.FON=CGA80WOA.FON
    CGA40WOA.FON=CGA40WOA.FON
    DEVICE=C:\GVWIN\WEMU387.386
    DEVICE=C:\GVWIN\DSD.386
    DEVICE=C:\GVWIN\IIF.386
    DEVICE=C:\GVWIN\TIM.386
    32BitDiskAccess=off
        more entries follow these
```

G. System files for Pathworks

When installing GLOBALVIEW and Document Services network access on a PC connected to a Pathworks network, you need to edit some of the system files.

Use the following examples as guidelines for editing the files on your PC.

> The > symbol marks changed or added lines in the example files. A 3Com Etherlink II network card is used in the examples. There is no specific network configuration diagram here for Pathworks. The network drivers added are similar to those in the Windows 3.1 configuration (figure C-1).

Example of changes in PROTOCOL.INI

; Protocol Manager

[protman]
DriverName=PROTMAN$

; Section for 3Com Etherlink II

[ELNKII.DOS]
DRIVERNAME=ELNKII$
IOADDRESS=0x300
INTERRUPT=3
MAXTRANSMITS = 40
XMITBUFS=1
TRANSCEIVER=EXTERNAL

> ; Section for GVWin Protocol Driver

> [GVNETDRV]
> DRIVERNAME=GVNDRV$

> BINDINGS=ELNKII.DOS

;Section for Pathworks

```
[DATALINK]
DRIVERNAME     =DLL$MAC
LG_BUFFERS     = 16
SM_BUFFERS     = 6
OUTSTANDING  = 32
HEURISTICS     = 0
BINDINGS       = ELNKII.DOS
NI_IRQ         = 3
```

Example of AUTOEXEC.BAT

```
SET TZ=PST+08:00DST07:00:00,98/02:00,305/02:00

@ECHO OFF

PROMPT $p$g

PATH C:\WINDOWS;C:\DOS
APPEND /E

APPEND C:\DOS

SET TEMP=C:\WINDOWS\TEMP

SET COMSPEC=C:\DOS\COMMAND.COM

SET MOUSE=C:\WINDOWS

lh C:\WINDOWS\mouse.COM /Y
REM Insert any keyboard internationalization and character set information here
REM Executing network startup procedure
if not exist \DECNET\STARTNET.BAT goto nostartup
call \DECNET\STARTNET
goto end
:nostartup
echo ** WARNING **  STARTNET.BAT not found
:end
```

Example of change in CONFIG.SYS

```
    DEVICE=C:\WINDOWS\HIMEM.SYS
    DEVICE=C:\WINDOWS\EMM386.EXE I=E000-EFFF X=CC00-CFFF
    SHELL=C:\COMMAND.COM C:\ /P /E:4096
    DOS=HIGH,UMB
    FILES=40
    STACKS=9,256
    BUFFERS=50
    DEVICE=C:\WINDOWS\SMARTDRV.EXE /DOUBLE_BUFFER
    DEVICE=C:\DECNET\PROTMAN.DOS /I:C:\DECNET
    DEVICE=C:\DECNET\ELNKII.DOS
>   DEVICE=C:\GVWIN\GVNETDRV.SYS
```

Example of change in SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
    [386Enh]
>   DEVICE=C:\GVWIN\EVD.386
    EGA80WOA.FON=EGA80WOA.FON
    EGA40WOA.FON=EGA40WOA.FON
    CGA80WOA.FON=CGA80WOA.FON
    CGA40WOA.FON=CGA40WOA.FON
    DEVICE=C:\GVWIN\WEMU387.386
    DEVICE=C:\GVWIN\DSD.386
    DEVICE=C:\GVWIN\IIF.386
    DEVICE=C:\GVWIN\TIM.386
    32BitDiskAccess=off
```
        more entries follow these

GLOBALVIEW FOR MICROSOFT WINDOWS INSTALLATION GUIDE
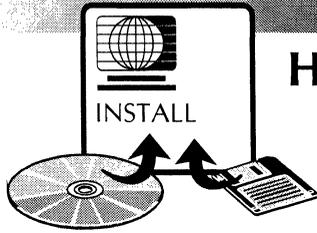
H. System files for AccessBuilder

When installing GLOBALVIEW and access to a remote Document Services network through AccessBuilder, you need to edit some of the system files.

You also need to be sure that the required options are set in the AccessBuilder Client software on your PC.

This appendix includes:

*   Network configuration and architecture diagrams

*   Sample configuration for AccessBuilder Client software

*   Sample system files to support ODI

*   Sample system files to support NDIS and Windows 3.1

*   Sample system files to support NDIS and Windows for Workgroups (WFW) 3.11

Network configuration and architecture diagrams

Figures H-1 and H-2 are examples of network configurations that support network connectivity in Novell ODI and NDIS environments, respectively.

Fig. H-1   **GLOBALVIEW for Windows-ODI and AccessBuilder components**

Windows Applications	GLOBALVIEW for Windows

GLOBALVIEW
Ethernet Virtual
Device Driver
(EVD.386)

Windows Environment

DOS Environment

Real Mode ODI Protocol Driver (e.g., IPXODI. COM)	Real Mode ODI compliant GlobalView Protocol Driver (GVWINODI. SYS)	Other Real Mode ODI Protocol Driver (e.g., TCP/IP)

ODI Link Support Layer (LSL.COM)

AccessBuilder ODI Driver (PKMLID.COM)

AccessBuilder Packet Driver (ABAGENT.EXE)

Hardware

Modem

Fig. H-2   **GLOBALVIEW for Windows-NDIS and AccessBuilder components**

Windows Applications	GLOBALVIEW for Windows

GLOBALVIEW
Ethernet Virtual
Device Driver
(EVD.386)

Windows Environment

DOS Environment

Real Mode NetBEUI Protocol Driver (NetBEUI. DOS)	Real Mode GlobalView Protocol Driver (GVNETDRV. SYS)	Other Real Mode NDIS Protocol Driver (e.g., TCP/IP)

NDIS Protocol Manager (PROTMAN.DOS)

AccessBuilder NDIS Driver (PKNDIS.DOS)

AccessBuilder Packet Driver (ABAGENT.EXE)

Hardware

Modem

Sample configuration for AccessBuilder Client

Use the following sample configuration settings as a guideline for setting up the AccessBuilder Client.

> The > symbol marks options required for GLOBALVIEW. Other options should be set to match your hardware and software.

Configuration Menu:
  Com port: Com1
  Baud rate: 57600
  Media Type: ETHERNET
  MAC Address: <created by AccessBuilder administrator>
  User Name: <created by AccessBuilder administrator>
  Modem: Hayes Ultra 144
  Default Phone Number:

Advanced Configuration Menu:
  Com Port I/O Base: default
  Com Port IRQ: default
> Interrupt Vector: 0x65
  Dialing Prefix: ATDT
  Compression: OFF
  Call Back: No
  Dial With Script: NO
  File Executing Setting-BEFORE Dialing: <blank>
  File Executing Setting-AFTER Modem Connection: <blank>
  File Executing Setting-BEFORE Modem Hangup: <blank>
  File Executing Setting-AFTER Modem Hangup: <blank>
> Packet Selection: BRIDGING
> Smart Filtering: NO

✦ **Note:** Newer versions of AccessBuilder Client software may not include all these options.✦

Network OS/Application Menu:
> *Depending on your network environment, select one of the following:*
      Windows for Workgroup 3.11 (NDIS)
      or
      Novell NetWare 3.x/2.x (ODI)

Sample system files to support ODI

Use the following sample files as guidelines for setting up remote communications if your PC uses the Novell ODI environment.

> The > symbol marks changed or added lines in the example system files. An Intel Satisfaxtion modem and supporting software is used in the examples.

Example of CONFIG.SYS

```
DEVICE=C:\DOS\SETVER.EXE
DEVICE=C:\DOS\HIMEM.SYS
DEVICE=C:\DOS\EMM386.exe X=D800 - DBFF
DOS=HIGH, UMB
FILES=40
BUFFERS=10,0
STACKS=9,256
LASTDRIVE=E
```

Example of changes to NET.CFG

```
LINK DRIVER PKMLID
      INT 4
      Port 3F8
      Frame Ethernet_802.3
>     Frame Ethernet_II
      Protocol IPX 0 Ethernet_802.3
>     Protocol XNS 0600 Ethernet_II
```

Example of change to ABLOGIN.BAT

```
        LH ABAGENT
        if errorlevel 1 goto crexit
        \NOVELL\LSL
        \ABCLIENT\PKMLID
        \NOVELL\IPXODI

>       \GVWIN\GVWINODI.COM
        \NOVELL\NETX
        :crexit
```

Example of change to AUTOEXEC.BAT

```
        SET TZ=PST+08:00DST07:00:00,98/02:00,305/02:00
        C:\WINDOWS\SMARTDRV.EXE
        @ECHO OFF
        PROMPT $p $g
>       PATH= C:\ABCLIENT;C:\WINDOWS;C:\DOS;C:\MOUSE
        C:\DOS\MOUSE.COM
        C:\DOS\DOSKEY
        SET TEMP=C:\WINDOWS\TEMP
>       C:\ABCLIENT\ABLOGIN
        C:\FAX\CASMGR.EXE C:\FAX\CASMGR.CFG
```

Example of change to SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
        [386Enh]
>       DEVICE=C:\GVWIN\EVD.386
        DEVICE=C:\GVWIN\WEMU387.386
        DEVICE=C:\GVWIN\DSD.386
        DEVICE=C:\GVWIN\IIF.386
        DEVICE=C:\GVWIN\TIM.386
        Com1AutoAssign=2
        Com2AutoAssign=2

        [STANDARD]
```

[NONWINDOWSAPP]
localtsrs=dosedit,ced

[DRIVERS]
timer=timer.drv
midimapper=midimap.drv

Sample system files to support NDIS and Windows 3.1

Use the following sample files as guidelines for setting up remote communications in an NDIS and Windows 3.1 environment on your PC.

> The > symbol marks changed or added lines in the example system files. An Intel Satisfaxtion modem and supporting software is used in the examples.

Examples of changes in CONFIG.SYS

```
      DEVICE=C:\DOS\SETVER.EXE
      DEVICE=C:\DOS\HIMEM.SYS
      DEVICE=C:\DOS\EMM386.exe X=D800 - DBFF
      DOS=HIGH, UMB
      FILES=40
      BUFFERS=10,0
      SHELL=c:\dos\command.com c:\dos\ /p /e:4096
      STACKS=9,256
 >    DEVICE=C:\GVWIN\PROTMAN.DOS /i:C:\GVWIN
 >    DEVICE=C:\ABCLIENT\PKNDIS.DOS
 >    DEVICE=C:\GVWIN\GVNETDRV.SYS
      DEVICE=C:\FAX\SATISFAX.SYS IOADDR=03A0
```

Example of changes to PROTOCOL.INI

```
    ; Protocol Manager
    [protman]
    DriverName=PROTMAN$
>   ; Section for AccessBuilder driver
>   [PKNDIS]
>   DRIVERNAME=PKNDIS$

    ; Section for GVWin Protocol Driver
    [GVNETDRV]
    DRIVERNAME=GVNDRV$
>   BINDINGS=PKNDIS
```

Example of change to ABLOGIN.BAT

```
    LH ABAGENT
    if errorlevel 1 goto crexit
>   C:\GVWIN\net start
    :crexit
```

Example of change to AUTOEXEC.BAT

```
    SET TZ=PST+08:00DST07:00:00,98/02:00,305/02:00
    C:\WINDOWS\SMARTDRV.EXE
    @ECHO OFF
    PROMPT $p $g
>   PATH C:\ABCLIENT;C:\WINDOWS;C:\DOS;C:\MOUSE
    SET MOUSE=C:\MOUSE
    SET TEMP=C:\WINDOWS\TEMP
>   C:\ABCLIENT\ABLOGIN
    C:\FAX\CASMGR.EXE C:\FAX\CASMGR.CFG
```

Example of change to SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
    [386Enh]
>   DEVICE=C:\GVWIN\EVD.386
    EGA80WOA.FON=EGA80WOA.FON
    EGA40WOA.FON=EGA40WOA.FON
    CGA80WOA.FON=CGA80WOA.FON
    CGA40WOA.FON=CGA40WOA.FON
    DEVICE=C:\GVWIN\WEMU387.386
    DEVICE=C:\GVWIN\DSD.386
    DEVICE=C:\GVWIN\IIF.386
    DEVICE=C:\GVWIN\TIM.386
    32BITDISKACCESS=off
    DEVICE=*int13
    DEVICE=*wdctrl
    MOUSE=*vmd
    NETWORK=*dosnet,*vnetbios
    EBIOS=*ebios
    Com1AutoAssign=2
    Com2AutoAssign=2
```

Sample system files to support NDIS and WFW 3.11

Use the following sample files as guidelines for setting up remote communications in an NDIS and Windows for Workgroups 3.11 environment on your PC.

> The > symbol marks changed or added lines in the example system files. An Intel Satisfaxtion modem and supporting software is used in the examples.

Example of CONFIG.SYS

```
DEVICE=C:\DOS\SETVER.EXE
DEVICE=C:\DOS\HIMEM.SYS
DEVICE=C:\DOS\EMM386.exe X=D800 - DBFF
DOS=HIGH, UMB
FILES=40
BUFFERS=10,0
SHELL=c:\dos\command.com c:\dos\ /p /e:4096
STACKS=9,256

DEVICE=C:\FAX\SATISFAX.SYS IOADDR=03A0
DEVICE=C:\WINDOWS\IFSHLP.SYS
```

Example of changes to PROTOCOL.INI

```
[network.setup]
version=0x3110
netcard=pkndis,1,PKNDIS,3
transport=ms$nwlinknb,NWLINK
transport=ms$ndishlp,NDISHLP
transport=ms$netbeui,NETBEUI
transport=gvnetdrv,GVNETDRV
lana0=pkndis,1,ms$netbeui
lana1=pkndis,1,ms$nwlinknb
lana2=pkndis,1,ms$ndishlp
lana3=pkndis,1,gvnetdrv
```

```
    [protman]
    DriverName=PROTMAN$
    PRIORITY=MS$NDISHLP

>   ;Section for AccessBuilder
>   [PKNDIS]
>   DRIVERNAME=PKNDIS$

    [NWLINK]
    BINDINGS=PKNDIS

    [MS$NDISHLP]
    DriverName=ndishlp$
    BINDINGS=PKNDIS

    [NETBEUI]
    DriverName=netbeui$
    SESSIONS=10
    NCBS=12
    BINDINGS=PKNDIS
    LANABASE=0
    ; Section for GV Win Protocol Driver

    [GVNETDRV]
    DRIVERNAME=GVNDRV$
>   BINDINGS=PKNDIS
```

Example of change to ABLOGIN.BAT

```
    LH ABAGENT
    if errorlevel 1 goto crexit
>   C:\WINDOWS\net start
    :crexit
```

Example of changes to AUTOEXEC.BAT

```
    SET TZ=PST+08:00DST07:00:00,98/02:00,305/02:00
    C:\WINDOWS\SMARTDRV.EXE
    @ECHO OFF
    PROMPT $p $g
>   PATH C:\ABCLIENT;C:\WINDOWS;C:\DOS;C:\MOUSE
    SET MOUSE=C:\MOUSE
    SET TEMP=C:\WINDOWS\TEMP
>   C:\ABCLIENT\ABLOGIN
    C:\FAX\CASMGR.EXE C:\FAX\CASMGR.CFG
```

Example of changes to SYSTEM.INI

Note: Some sections in the SYSTEM.INI file are not shown here.

```
    [386Enh]
>   DEVICE=C:\GVWIN\EVD.386
    EGA80WOA.FON=EGA80WOA.FON
    EGA40WOA.FON=EGA40WOA.FON
    CGA80WOA.FON=CGA80WOA.FON
    CGA40WOA.FON=CGA40WOA.FON
    DEVICE=C:\GVWIN\WEMU387.386
    DEVICE=C:\GVWIN\DSD.386
    DEVICE=C:\GVWIN\IIF.386
    DEVICE=C:\GVWIN\TIM.386
    32BITDISKACCESS=on
    DEVICE=*int13
    DEVICE=*wdctrl
    MOUSE=*vmd
    NETWORK=*dosnet,*vnetbios
    EBIOS=*ebios
    Com1AutoAssign=2
    Com2AutoAssign=2

    [network drivers]
>   netcard=PKNDIS.DOS
>   transport=*netbeui, ndishlp.sys, gvnetdrv.sys
    devdir=C:\WINDOWS
    LoadRMDRivers=Yes
```