XEROX

Xerox GLOBALVIEW

VP 3.0 Upgrade Summary
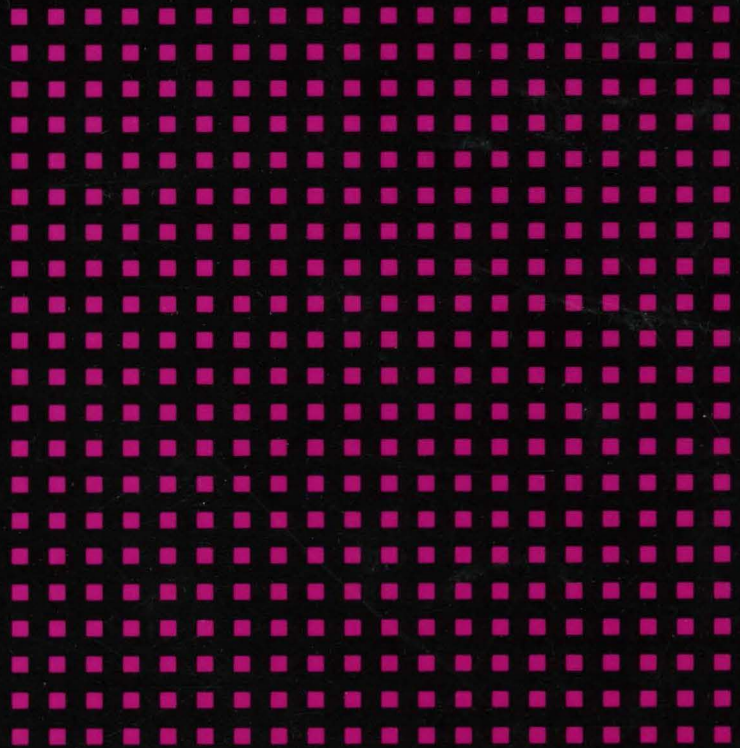
VP Series Applications

VP 3.0 Upgrade Summary

XEROX

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

Table of contents

3. VP 3.0 software

List of figures

Introduction

Xerox now offers the Xerox GLOBALVIEW environment, which allows VP Series software to operate on the UNIX open platform, in addition to the 6085 platform. The VP Series software can be used on the Xerox 6085 Workstation and the 6500 series workstation (UNIX-based), allowing the bidirectional exchange of documents.

The VP 3.0 Series software is an upgrade to the VP 2.0 software for 6085 Workstations, and a new software release for 6500 series workstations. While most VP 3.0 software is made to run on 6085 Workstations and 6500 series workstations, some applications are dependent upon the hardware platform. In a few instances, it can be used on only one or the other. The GLOBALVIEW environment on the 6085 Workstations allows the powerful VP application set to run alongside and interoperate with MS-DOS applications. The 6500 series workstations allow VP 3.0 to run on the UNIX platform.

Overview

The VP Series software focuses on office document processing, and provides you with advanced document creation tools for the 6085 Workstation and 6500 series workstations. This release of the VP 3.0 Series software contains new applications that facilitate document processing and expand the workstation capabilities.

New features

New VP 3.0 Series software features are as follows:

*   Color support for 6500 series workstations
*   File conversion of ODA documents
*   Using Extract Rules with CUSP
*   Thesaurus application
*   VP Xerox Equation Fonts
*   VP CG-CS Times Fonts
*   VP CG-CS Triumvirate Fonts
*   VP Online Samples Guide
*   VP⇆UNIX interoperability tools (6500 series workstations only)
*   X Environment Window (6500 series workstations only).

Enhanced features

VP 3.0 Series feature changes or enhancements include the following:

- Cartridge tape support for 6500 series workstations
- CUSP Buttons—feature changes in many areas
- Data Capture—table size adjustment capability
- Document Editor—many enhancements
- Downgrader (VP 3.0 to VP 2.X)
- Upgraders (VP 2.0 to VP 3.0)
- Equations—additional structures and font flexibility
- Floppy Tool—support for $3\frac{1}{2}''$ floppies (6500 series workstations only)
- Footnotes—greater flexibility for page layout
- Keyboards—6500 series workstations
- NetCom—filing, mailing, and printing enhancements
- Reference icon—improved access
- Shared books—includes reference icons, folders, and record files
- Spelling Checker—Phonetic or Typo correction options.

Document purpose and arrangement

The *VP 3.0 Upgrade Summary* is divided into two parts:

- Part I: Xerox GLOBALVIEW and VP 3.0 software
- Part II: Upgrading, exchanging, and downgrading VP objects.

Part I describes VP 3.0 software, which can be used in the GLOBALVIEW environment, and the key software changes since VP 2.0. This document is not intended to be a training document, nor a complete product description of VP 3.0. The purpose of this document is to highlight the new or enhanced features and user benefits.

Part I is arranged in three sections:

1. NetCom
2. Xerox Workstation Software
3. VP 3.0 software.

Features and applications are listed alphabetically under each chapter.

Part II describes the hardware requirements, software requirements, and procedures for upgrading, exchanging, and downgrading VP objects on 6085 Workstations and 6500 series workstations.

The following chapters appear in Part II:

4. Upgrading objects to VP 3.0

5. Exchanging VP 3.0 objects

6. Downgrading objects to VP 2.0.

This document does not describe how to install XWS and VP 3.0 software on a Xerox workstation, nor does it explain how to upgrade a 6085 Workstation running VP 2.0 to VP 3.0.

If you have not installed XWS and VP 3.0 Series software on your workstation, refer to the *VP 3.0 Software Installation Guide* in the *VP Series Reference Library* or contact your System Administrator.

Resources for learning to use Xerox GLOBALVIEW and VP 3.0 Series software

The VP 3.0 Series software tutorials and user guides have been redesigned and rewritten for use with the 6085 Workstations and 6500 series workstations. Please refer to them for additional information. The resources available to you include the following:

*   **Introducing GLOBALVIEW: A Software Product Atlas**—a 50+ page booklet that describes the software product offerings, highlights the main features, and suggests how to use them.

*   **VP QuickStart Tutorial**—a training introduction for the new user, including basic functions such as document creation, printing, filing, and mailing.

*   **Tutorials**—offer self-paced practice exercises for performing specific tasks such as creating an index or sending a mail note.

*   **User guides**—provide a conceptual overview of each software product, as well as step-by-step instructions for using the features.

For your convenience, the book icon refers you to procedural information on the products or features and where you can find them in the user documentation.

Training: < Name > *Tutorial*

Reference: < Name > *User Guide*, chapter x, Name

A workstation icon indicates software for the Xerox 6085 Workstation and/or the 6500 series workstation.

Hardware: 6085 Workstation and 6500 series workstation

Part I Xerox GLOBALVIEW and VP 3.0 software

1. NetCom
2. Xerox Workstation Software
3. VP 3.0 software

1.   **NetCom**

Enhancements have been made to NetCom in Filing, Printing and Mailing since the VP 2.0 release.

Filing

The following enhancements have been made to local and remote filing since VP 2.0:

* Local filing

    - Hierarchically nested display

    - Folder/file drawer display option - Open method

* Remote filing

    - Hierarchically nested display (see explanation in "Local filing")

    - Reference icon.

Local filing

This section describes the enhancements that have been made to local filing for the VP 3.0 release.

Hierarchically nested display

In VP 2.0, when a folder or file drawer is opened, a single level of contents is seen. If there are folders inside the opened folder, each of those "nested" folders must be opened individually to see the contents inside.

Now an entire nested structure of folders and other icons can be viewed. Figure 1-1 shows a folder and the icons inside it in the same window, indenting the names of the icons inside the folder, outline style.

You can access the different levels of nested icons using the folder pop-up menu in the window header shown in Figure 1-2.

Figure 1-1.   **Nested icons within a folder**
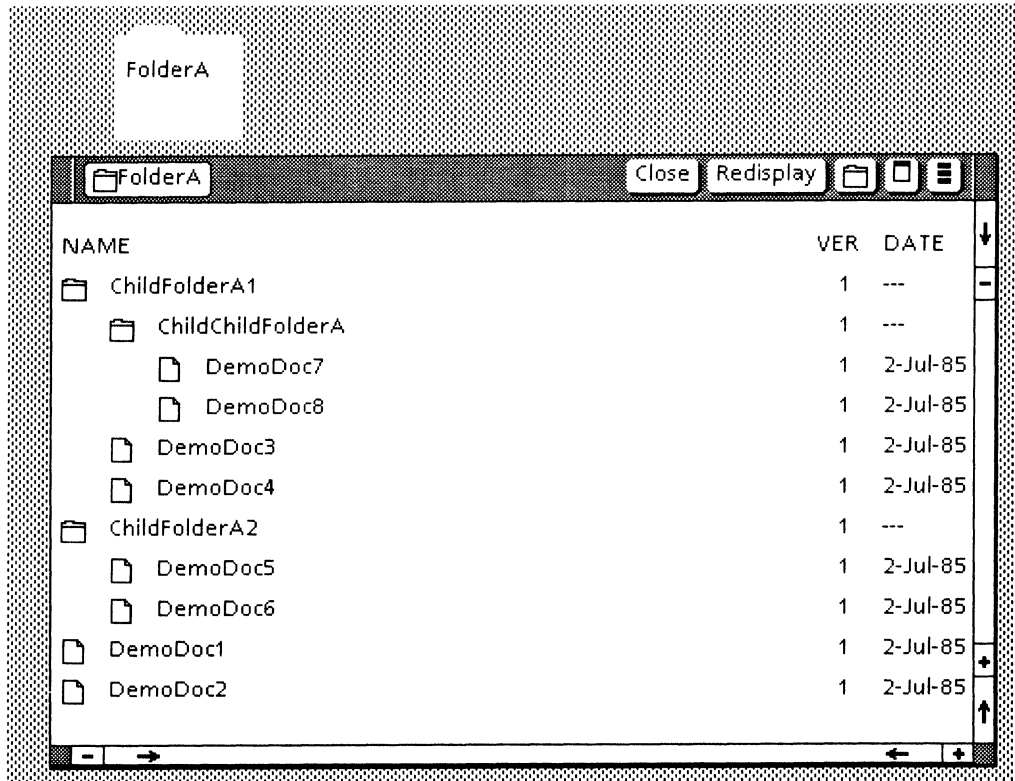
Figure 1-2.   **Accessing different levels of icons through the pop-up menu**
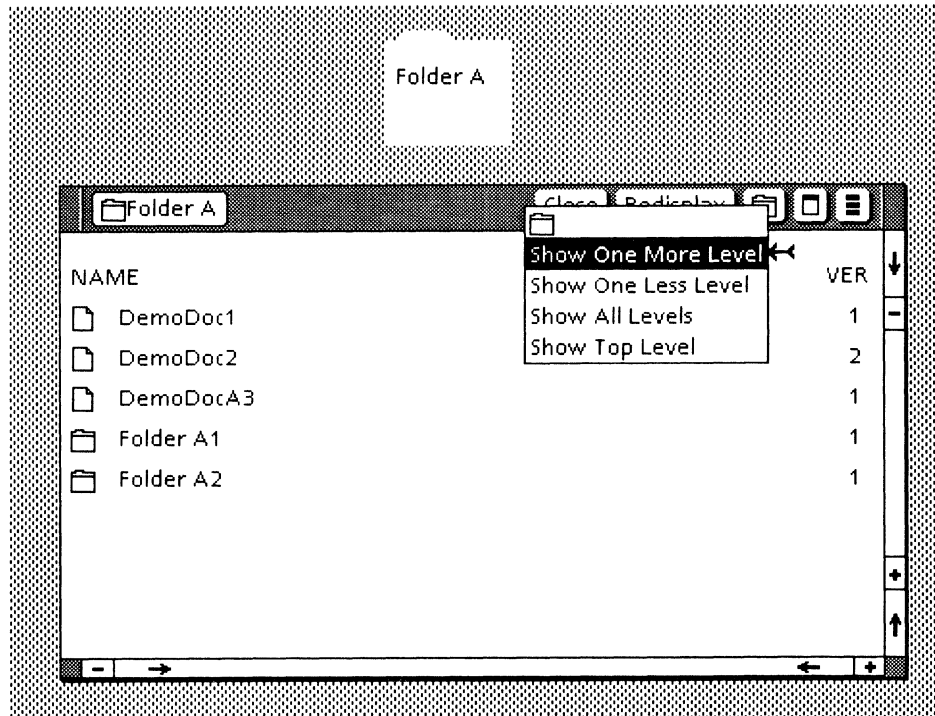
Since the icon names at each level are indented a bit more than the previous level, deeply nested folders and documents need to be "folded" within the window. The vertical dotted line at the left indicates the fold as well as the start of the next level (depth) (See Figure 1-3).

Figure 1-3. **Deeply nested data within a folder**

Deeply
Nested
Data

NAME	VER	DATE
🗀 Deeply Nested Data Example Close Redisplay		
🗀 Level 1	1	---
🗀 Level 2	1	---
🗀 Level 3	1	---
🗀 Level 4	1	---
🗀 Level 5	1	---
🗀 Level 6	1	---
🗀 Level 7	1	---
🗀 Level 8	1	---
🗀 Level 9	1	---
🗀 Level 10	1	---
🗀 Level 11	1	---
🗀 Level 12	1	---
🗀 Level 13	1	---
🗀 Level 14	1	---
🗀 Level 15	1	---
🗀 Level 16	1	---
🗀 Level 17	1	---
🗀 Level 18	1	---
🗀 Level 19	1	---
🗀 Level 20	1	---
🗀 Level 21	1	---
🗀 Level 22	1	---
🗀 Level 23	1	---
🗀 Level 24	1	---
🗀 Level 25	1	---
🗀 Level 26	1	---
🗀 Level 27	1	---
🗀 Level 28	1	---
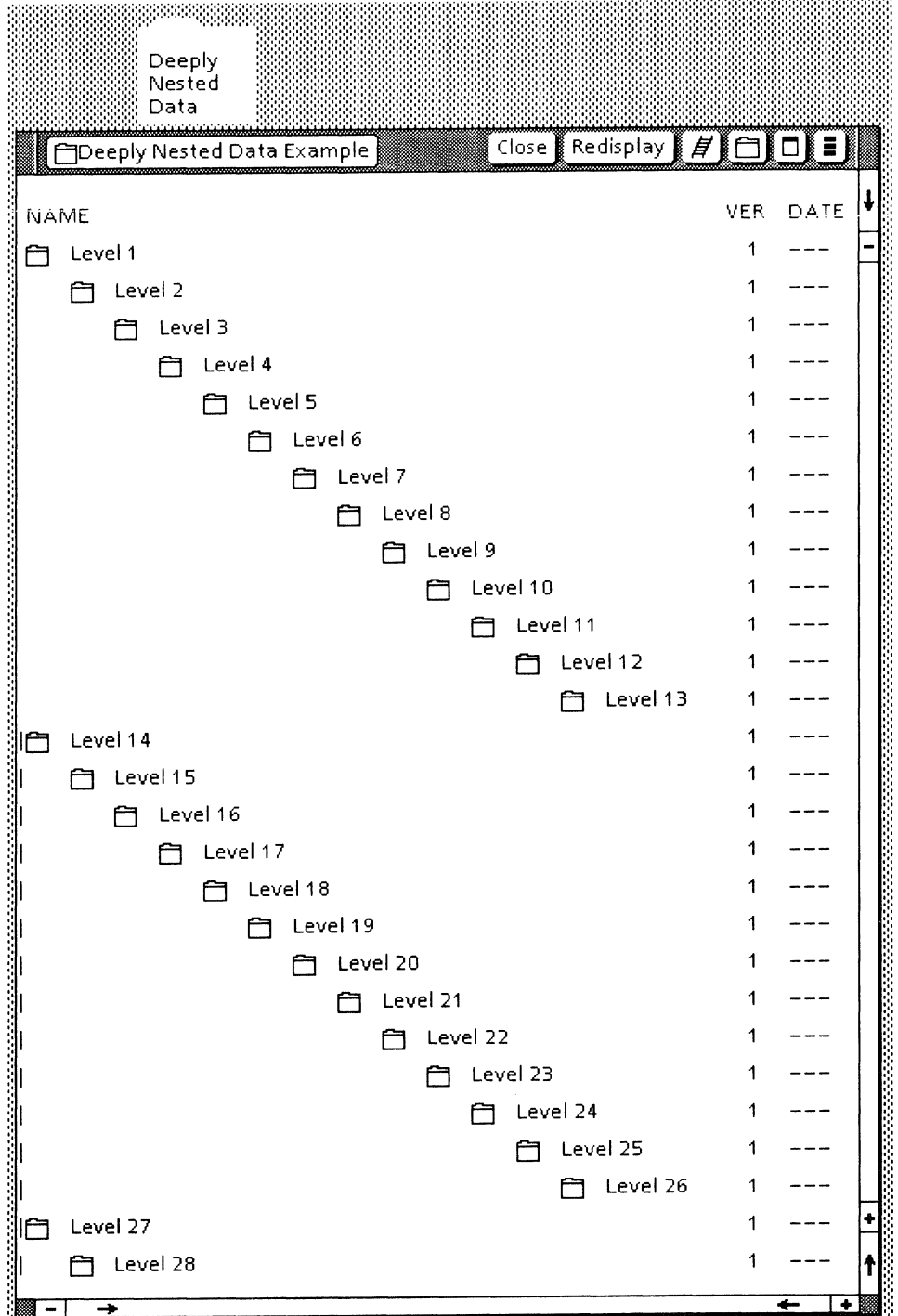
Folder/File Drawer Display Options

The Folder/File Drawer Display Options sheet (accessed by pointing in the desktop auxiliary menu and selecting [Folder/File Drawer Display Options"]) now has a new item, "Open Method" with these two choices: "Open Within" and "Open Next To."

- Selecting "Open Within" means icons open just as they did in the past, filling the window the icon was in.

- Selecting "Open Next To" means icons will open into a separate window next to the window the icon is in (Figure 1-5). This means several icons in an open folder window can be opened at the same time.

Either method of opening the icon can be specified by changing the User Profile or selecting the Folder/File Drawer Display Options command in the desktop auxiliary menu.

Figure 1-4. **Folder/File Drawer Display Options sheet**
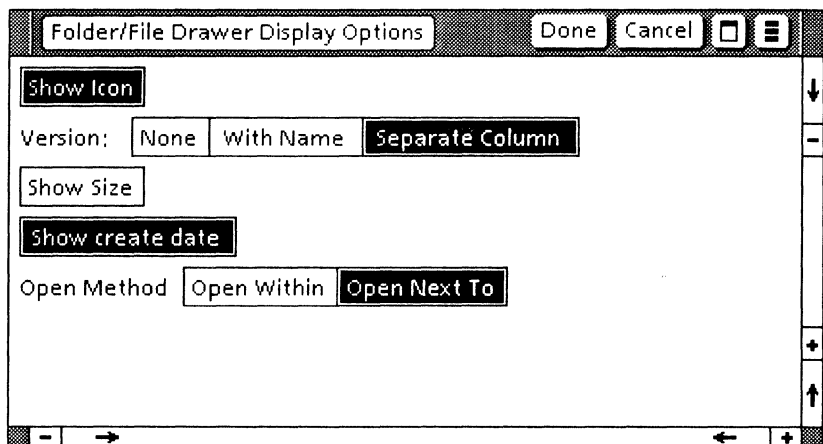
Figure 1-5.   **Folder/File drawer display options - Open Next To method**
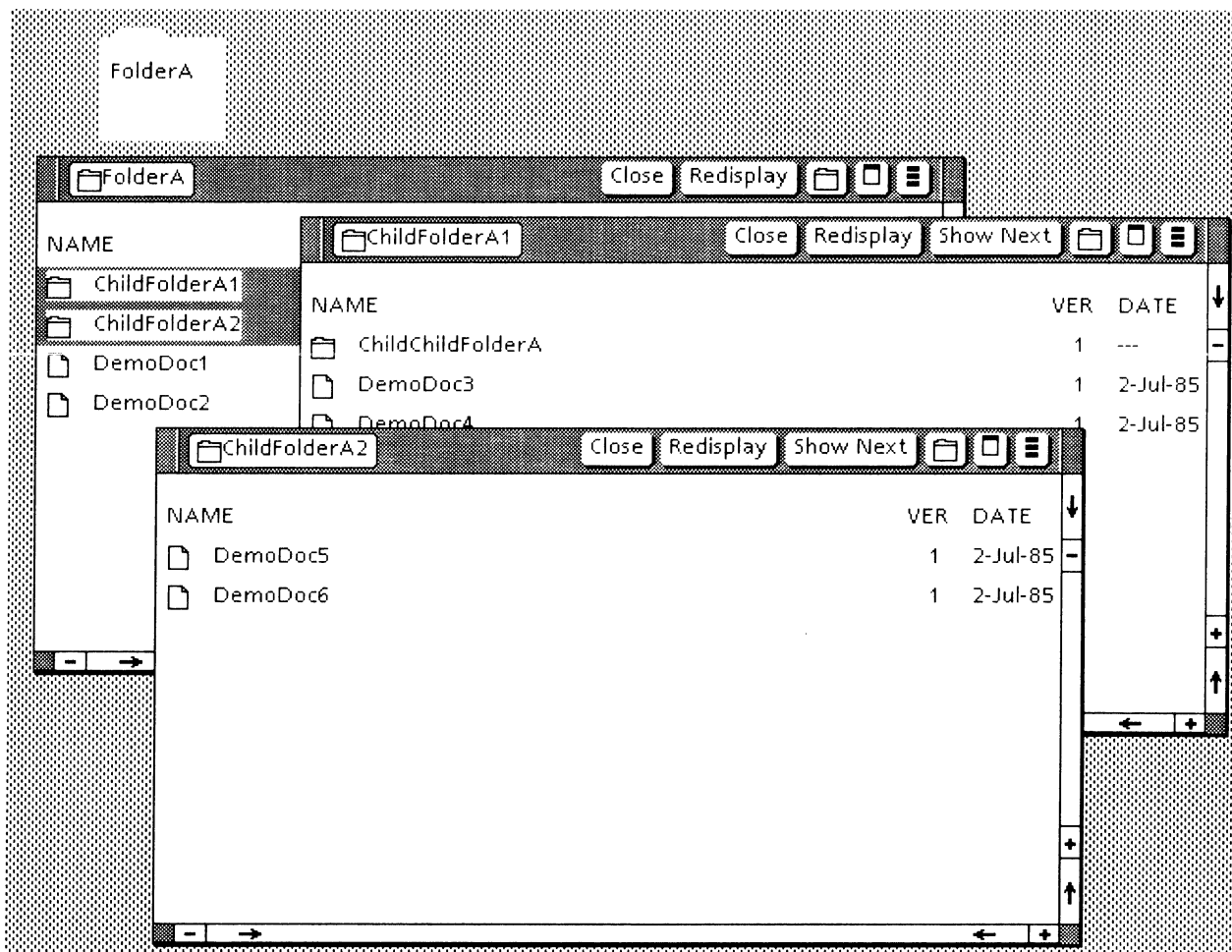
Remote filing

The enhancements to remote filing are described below.

Hierarchically nested display

This option also applies to remote containers.   See the Local filing section for further information.

Reference icons

All reference icons now open like a folder. A tiny icon inside shows you the type of remote object and lists the path name (location) and disk page size of the reference icon. The remote object can be deleted or copied via the open reference icon window.

The COPY operation automatically makes a copy, therefore, the **Make Local Copy** command has been removed as it is no longer necessary.

Figure 1-6. **An open reference icon**
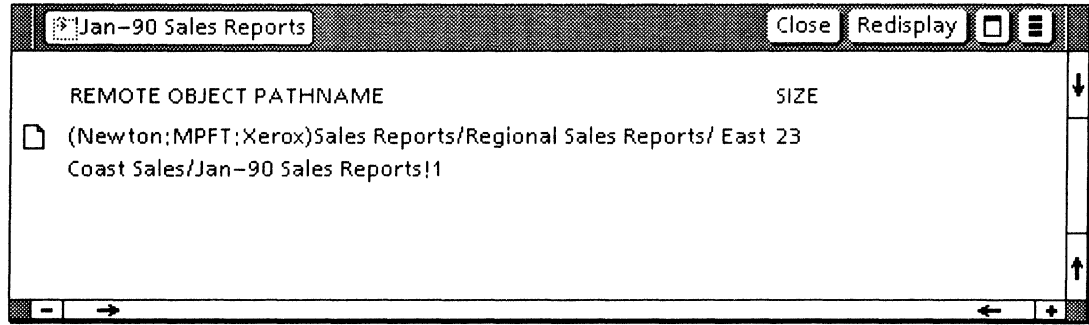
Training:	*VP QuickStart Tutorial*
Reference:	*Workstation Administration and System Resources User Guide*, chapter 3, Filing
Hardware:	6085 Workstation and 6500 series workstation

Printing

Printing has been enhanced since the VP 2.0 release to support color.

You can print documents containing color text and graphics on either a color or black and white printer from either a color (6500 series workstation) or monochrome workstation display (6500 series workstation and 6085 Workstation).

You can print a color document on a black and white printer by selecting Black and White only in the Printer Option sheet.

You can print documents containing only black and white text and graphics on a black and white printer from a workstation with either a color or a monochrome display.

The document and icon property and options sheets contain choices you can use to control color printing. For example, you can send the color pages of a document to a color printer and the black and white pages to a black and white printer.

The color printer has a particular set of colors associated with it. When you add color to your documents, you should choose colors from the color set that match the printer you plan to use. If you are using a monochrome workstation, you can still edit (change, add, or remove) colors in the document to match your printer.

You can always generate a correct Interpress (print format) document on either a monochrome or a color workstation. You can do this even if your active color set is different from the one required for the printer.

Training:	*VP QuickStart Tutorial*
Reference:	*Workstation Administration and System Resources User Guide,* chapter 2, Printing
Hardware:	6085 Workstation and 6500 series workstation

Mailing

The following enhancements to Mailing have been made since the VP 2.0 release:

• Background sending
• Support for X.400 mail.

Background sending

Background sending allows you to send multiple single items in the background, including sending from an open mail note. This enables you to continue working on other tasks, instead of waiting for the mailed items to be validated and sent.

Support for X.400 mail

VP Mail Application 3.0 (first released as *VP Mail Application 2.0.6*) is an enhanced VP Series client interface that requires Services 11.2 or greater and supports External Mail Gateway - X.400 and the latest Xerox mailing protocols. No applications prior to the VP 2.0.6 mail implementation can access the X.400 gateway service.

Services 11.2 must be installed on the network prior to upgrading the workstation mail application, and the VP user's mailbox must reside on an 11.2 Mail Service.

VP Mail Application can link a VP user with an External Mail Gateway - X.400 running on the same network. The mail application and the gateway are both necessary for exchanging mail with non-Xerox X.400 users.

VP Mail Application features include:

• Electronic mail exchange between VP users and X.400 users— supports only mail messages created using International Alphabet No. 5 (IA5 text), the international character set defined by ISO 6937, and the Xerox Character Set.

    - Allows a VP user to transmit an attached VP document to an X.400 recipient. The recipient's system must convert the document to its own format before it can be read.

- Users who do not have the *VP Mail Application* receive the major parts of messages created by VP. X.400 features appear as text in the "Note" portion of the mail note.

• Use of X.400 interpersonal messaging features.

• A new icon that represents forwarded messages.

Users of Services 11.2 and VP Mail Application can:

• Specify the importance of a message

• Designate an expiration date for a message

• Specify if a message is allowed to be converted

• Request the return of message contents when a nondelivery report is specified

• Optionally allow messages to be delivered to an alternate recipient

• Select the sensitivity level of a message—Personal, Private, or Company-confidential

• Specify a date by which an answer is expected

• Request delivery and/or nondelivery reports for each recipient

• Designate a priority for message delivery (Urgent, Normal, or Non Urgent). This does not affect Mail Service message delivery.

When the [BASIC] mail note properties are displayed, the user interface appears much the same as in the previous mail application. However, selecting [ALL] in a mail note's [Show Fields] parameters provides additional options that correspond to the new features.

Training: *VP QuickStart Tutorial*

Reference: *Workstation Administration and System Resources User Guide*, chapter 4, Mailing

Hardware: 6085 Workstation and 6500 series workstation.

2.   Xerox Workstation Software

With the VP Series 3.0 software release, there are many new and enhanced applications. For easier reference, they are listed alphabetically in the table below under New features and Enhancements. This section describes the changes in the desktop environment portion of the software and the foundation for the Graphic User Interface.

Table 2-1. **Xerox Workstation Software change summary**

New features	Enhancements
Color support for desktops and documents	Keyboards
Container Find	Logoff
Logon/System startup	Object Conversion Utility
VP⇆UNIX interoperability	VP Floppy tool

Color support for desktops and documents

Desktop color

Color support is a new feature for VP 3.0.

Document color

Color support for desktops is a new feature on the 6500 series workstation. You can select color for your icons, windows and the background of your desktop.

For the 6085 Workstation and monochrome 6500 series workstation, you have the ability to select color by name in the document property sheets, even though it will not be visible on the workstation. For the color 6500 series workstation, you have the ability to select color by name or by using the color sets located in the document property sheets. (Color selections made in a document on a monochrome display workstation will be visible when sent to a color display or color printer.)

The availability of the color support feature on workstations using monochrome and color displays allow interoperability between the 6085 Workstation and the 6500 series workstation.

Training: *VP QuickStart Tutorial*

Reference: *General User Guide*, chapter 7, Color

Hardware: 6085 Workstation and 6500 series workstation

Container Find

This feature allows you to locate a file quickly, even if that file is deeply nested in a large folder or file drawer. The container must be open, and the search will be to whatever level the container contents are displayed. You simply move your cursor in the container to be searched (no need to select anything) and press < Find >. This gives you the Container Find Properties sheet. This capability can save you time in locating data.

The Container Find option sheet has fewer options and commands than the Find option sheet.

Training: *XWS NetCom, RemoteCom, and Standalone Tutorial*

Reference: *Workstation Administration and System Resources User Guide*, chapter 3, Filing

Hardware: 6085 Workstation and 6500 series workstation

Keyboards

Keyboards are described in this section.

6085 Workstation keyboard

There have been no changes to the 6085 Workstation keyboard.

6500 series workstation keyboard

There are several physical differences between the 6085 Workstation keyboard and the 6500 series workstation keyboard.

- The 6500 series workstation physical keyboards are used for the U.S. and multinational variants. The keyboards are standard Sun Type 4 and the key layout is not altered by Xerox (Figure 2-1).

- The 6500 series workstation mouse has three buttons. Only the left and right buttons are functional in the GLOBALVIEW environment. Many UNIX applications use all three buttons.

- The highlighted keycaps indicate the VP function keys, such as <Move/Cut>, <Same/Paste>, <Skip/Next/Enter>, and so forth.

Figure 2-1. **6500 series workstation keyboard (U.S. version)**
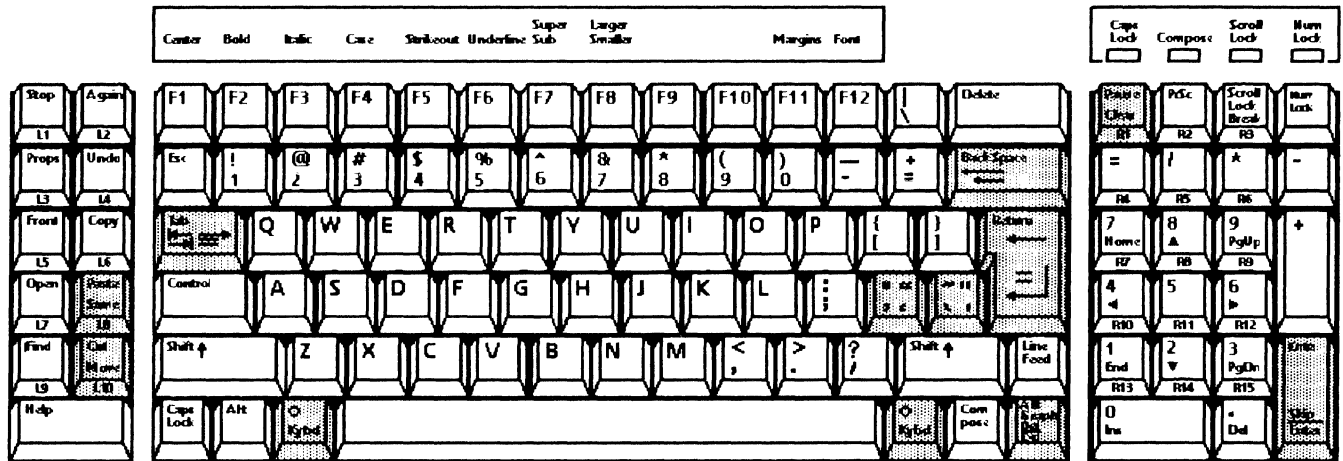
Training:	None
Reference:	*General User Guide*, chapter 12, Keyboards and alternate keyboards
Hardware:	6500 series workstation

Logoff

On the 6500 series workstation, you have the following choices to end a VP 3.0 session:

- SUSPEND—enables you to go to UNIX, but later return to the GLOBALVIEW desktop from UNIX fairly quickly. It continues to use some UNIX system resources while suspended (Figure 2-2).

- QUIT—frees all GLOBALVIEW system resources. GLOBALVIEW must be restarted the next time it is wanted.

- POWER OFF—You may use this function before powering off your workstation, in order to be sure that GLOBALVIEW and UNIX functions are in a stable state. (Not the same as Power-Off Quick Restart on 6085 Workstations.)

Figure 2-2. **6500 series workstation Logoff Option sheet - SUSPEND selected**
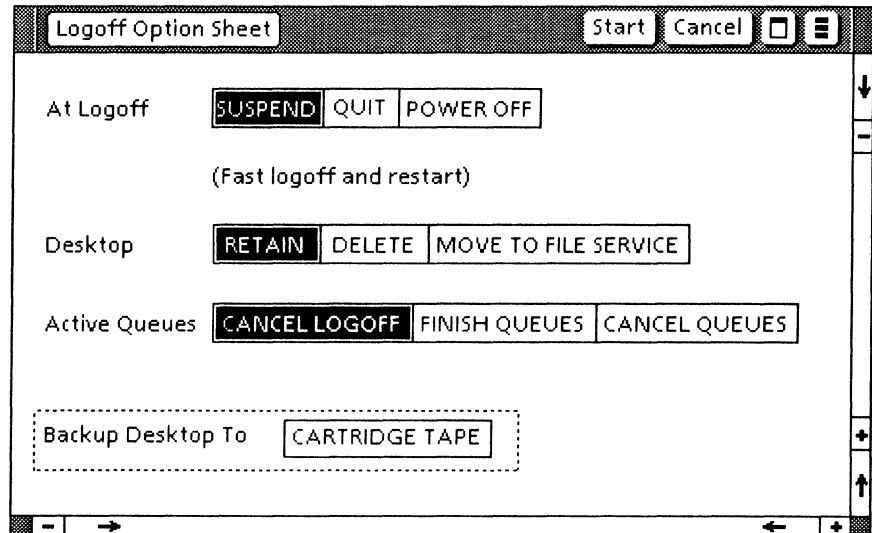
```
┌──────────────────────────────────────────────────────────┐
│ Logoff Option Sheet              Start   Cancel  □  ≣      │
├──────────────────────────────────────────────────────────┤
│                                                         ↓  │
│  At Logoff      │SUSPEND│ QUIT │ POWER OFF │             ─  │
│                                                            │
│              (Fast logoff and restart)                     │
│                                                            │
│  Desktop        │RETAIN│ DELETE │ MOVE TO FILE SERVICE │   │
│                                                            │
│  Active Queues  │CANCEL LOGOFF│ FINISH QUEUES │ CANCEL QUEUES │
│                                                            │
│  ┌─────────────────────────────────────────────────┐   +  │
│  │Backup Desktop To    │ CARTRIDGE TAPE │           │   ↑  │
│  └─────────────────────────────────────────────────┘      │
│ ─   →                                          ←    +      │
└──────────────────────────────────────────────────────────┘
```

Training: *VP QuickStart Tutorial*

Reference: *General User Guide*, chapter 11, Conducting a GLOBALVIEW session

Hardware: 6500 series workstation

Logon/System startup

After you turn on your 6500 series workstation, it automatically boots the UNIX operating system and displays the UNIX logon prompt. After the prompt appears, you can log on as a regular UNIX user, or as a special UNIX user for GLOBALVIEW. See Figures 2-3 and 2-4 for both logon sheets.

●   Logging on as a UNIX user places you in the UNIX environment. If you log on to UNIX, you can start the GLOBALVIEW environment by typing a simple command at the UNIX prompt.

●   Logging on as a GLOBALVIEW user places you in the GLOBALVIEW environment.

Please refer to the Logoff and VP⇆UNIX Interoperability sections in this chapter for further information on accessing both working environments.

Figure 2-3. **6500 series Logon Option sheet: VP-UNIX configuration**
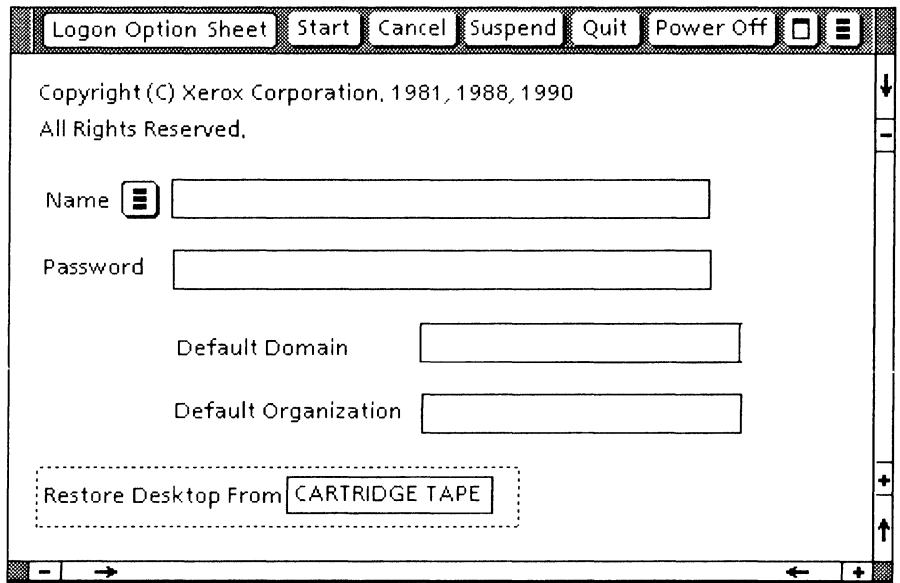
Figure 2-4. **6500 series Logon Option sheet: VP-only configuration**
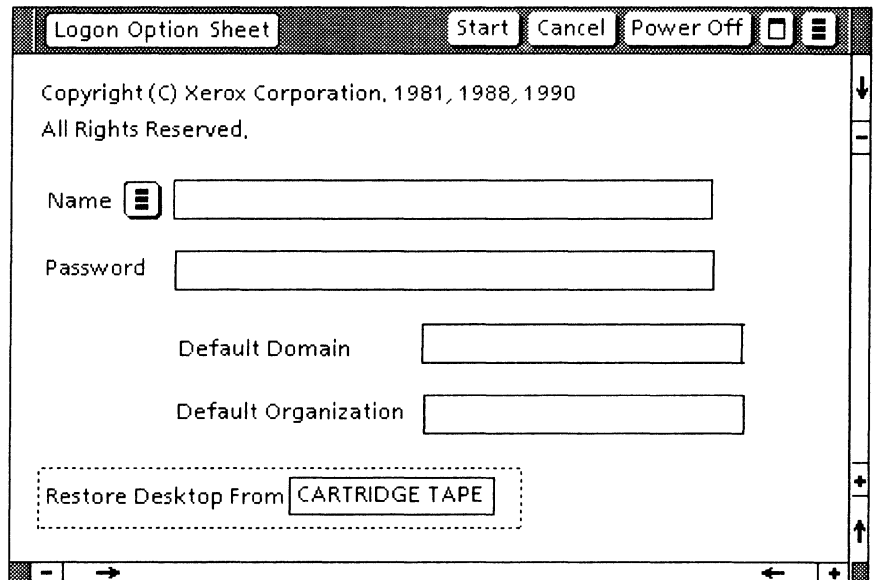
Training: *VP QuickStart Tutorial*

Reference: *General User Guide*, chapter 11, Conducting a GLOBALVIEW session

Hardware: 6500 series workstation

Object Conversion Utility

The following enhancements have been made to the Object Conversion Utility (OCU):

*   Messages
*   User interface change.

Messages

During conversion, the utility posts messages regarding the progress of the upgrade. Upon completing a conversion, the system places messages on the desktop in the Object Conversion Log window. The log includes the name of the item converted, any problems encountered, and the time the conversion was completed.

When a conversion aborts, the system creates a log entry that indicates the time and an explanation for the interrupted conversion.

User interface changes

This section describes the user interface changes to OCU.

New OCU icon

You no longer start the command by selecting it from the auxiliary menu. The OCU icon appears in the Office Accessories folder of the Workstation divider of the desktop Directory as a separate icon that opens on the desktop. It can be set up for automatic conversions.

Figure 2-5. **Object Conversion Utility icon**
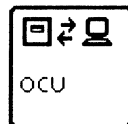
Properties sheet

New selections have been added to the OCU Properties sheet (Figure 2-6):

*   Replace/Move to new location
*   Skip Converted VP Documents
*   All objects/Documents only.

Figure 2-6.   **Object Conversion Utility Properties sheet**

Object Conversion Utility Properties		Done	Cancel	Defaults	□	≣

Icon label   OCU

Destination: Replace Move to new location

                                   Automatic Conversion

Destination File Service:

Destination File Drawer:

Polling Interval: 1   minute(s)

                                   Skip converted VP Documents

Objects to be processed: All objects Documents only

Training: None

Reference: *Workstation Administration and System Resources User Guide,* chapter 5, Object Conversion Utility

Hardware: 6085 Workstation and 6500 series workstation

VP Floppy Tool

This section describes the VP Floppy Tool application support for 3½-inch floppies on the Xerox 6500 series workstation. Listed are the differences from the 6085 Workstation workstation user interface.

New Floppy Tool icon

VP Floppy Tool has a new icon for the 6500 series workstation.

Ejecting a disk on the 6500 series workstation

The 6500 series workstation floppy drive does not have a disk eject button. The Floppy Tool provides several ways to eject the floppy disk, they are:

* Pop-up menu on the Floppy Drive icon (Figure 2-7).

    You can press both mouse buttons simultaneously to select the Floppy Drive icon, causing a pop-up menu with a single

Figure 2-7.   **Floppy Drive icon**
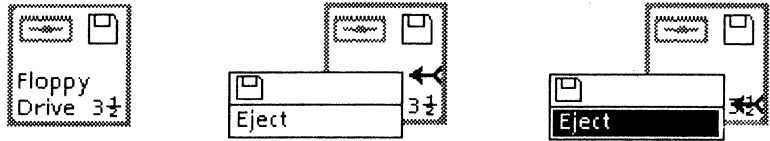
item Eject to be displayed which will, when selected, eject the floppy disk.

- Eject button in the Floppy disk window (Figure 2-8).

Figure 2-8.   **Floppy disk window**

	NAME	SIZE	VERSION OF
	Blank Document	26 Disk Pages	15-Jun-89 15:54
	Blank Folder	1 Disk Pages	22-Mar-89 14:59
	some pictures	130 Disk Pages	16-Jun-89 14:24
	Calendar	1 Disk Pages	23-Mar-89 15:05
	Blank Mail Note	1 Disk Pages	22-Mar-89 15:03
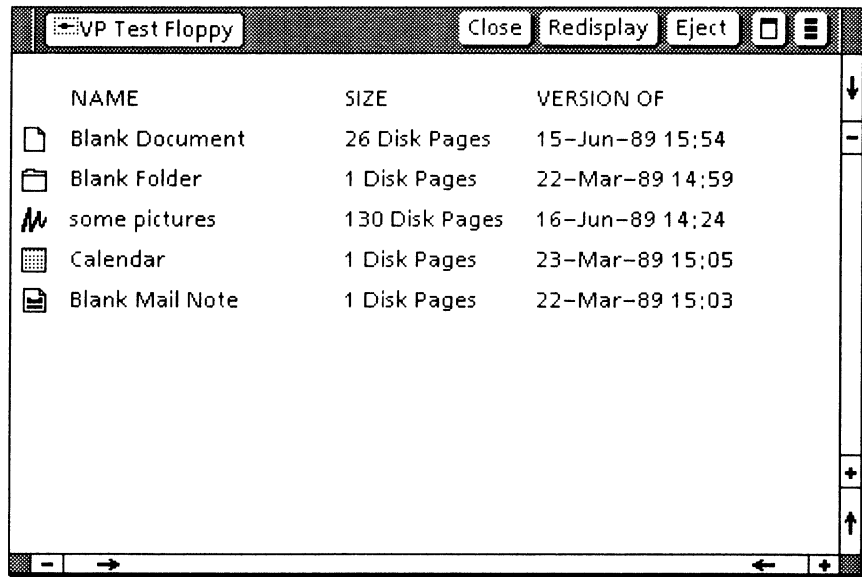
You can select the Eject menu button in the Floppy Tool window to eject the disk. Any current directory listing is blank to indicate the absence of a floppy disk in the drive. Inserting a new floppy disk and selecting Redisplay displays a new directory listing.

- Floppy Disk Properties sheet (Figure 2-9)

You can select [Eject] in the top border of the Floppy Disk Properties sheet to eject the disk.

Inside the properties sheet there is a new item field, Eject Floppy. When highlighted, the floppy disk ejects automatically whenever you close the Floppy Tool window.

A read-only field in each floppy disk icon's properties sheet indicates the pathname of the device drive corresponding to that floppy drive.

Figure 2-9.   **Floppy Disk Properties sheet - Xerox format**
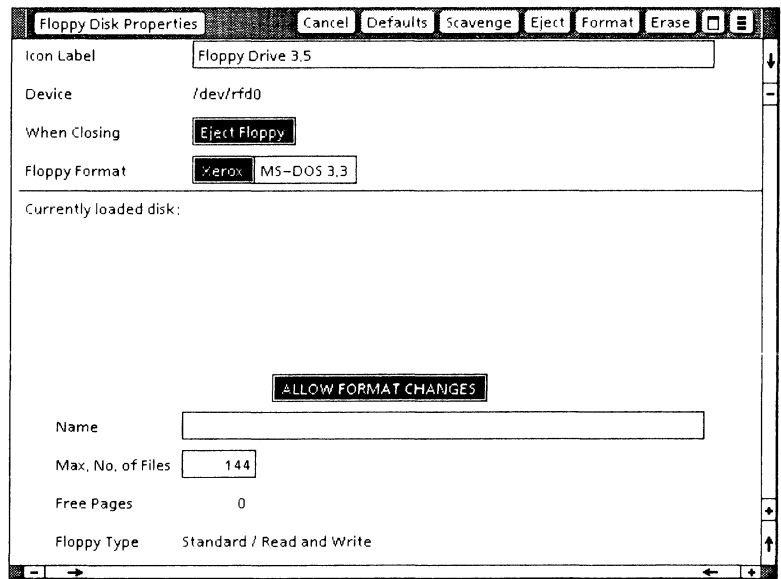
Supported formats

The floppy tool supports only $3\frac{1}{2}$-inch, 1.44 megabyte floppy disks as standard for the 6500 series workstations.

With VP 2.0, the MS-DOS choice appeared when you were running PC Emulation. You now see it with the *VP Floppy Tool* application.

*   New Xerox Format (refer to Figure 2-9)

    The (new) Xerox format supports only double-sided, high-density $3\frac{1}{2}$-inch floppy disks. These disks hold approximately 1.44 megabytes of data (2800 + disk pages) when formatted.

*   MS-DOS 3.3 Format (Figure 2-10)

    The 6500 series workstation's default floppy drive recognizes only $3\frac{1}{2}$-inch, double-sided, high-density floppy disks. The $3\frac{1}{2}$-inch, double-sided, double-density floppy disk cannot be used with this floppy drive. However, the MS-DOS 3.3 format supports the 1.44 megabyte and 720 kilobyte capacity on the double-sided, high-density floppy disk.

    Density, Sides, and Sectors/Tracks items no longer appear in the properties sheet for the MS-DOS format; instead, the property sheet has a new choice item, Formatted Capacity, from which the user can choose between 1.44 MBytes and 720 KBytes.

Figure 2-10. **Floppy Disk Properties sheet - MS-DOS format**
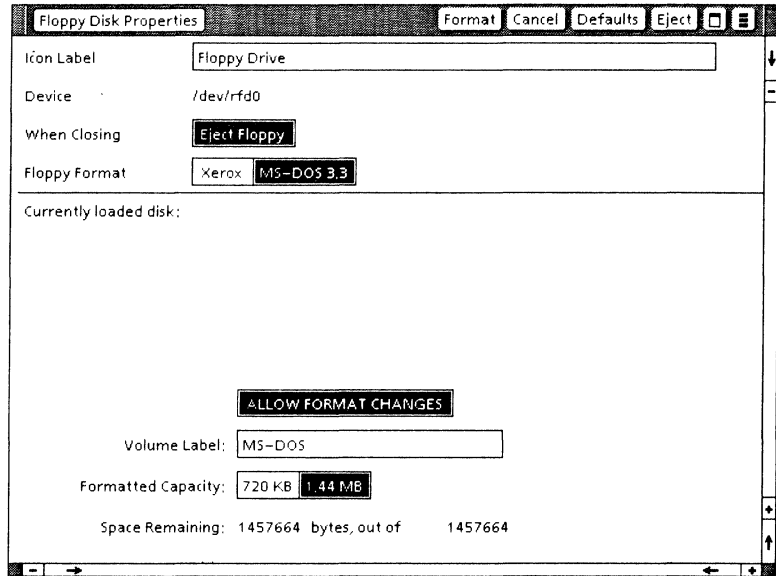
Training: *VP QuickStart Tutorial*

Reference: *General User Guide*, chapter 14, Floppy drive

Hardware: 6085 Workstation and 6500 series workstation

VP⇔UNIX interoperability

You can choose to access two working environments with the 6500 series workstations: the UNIX environment and the GLOBALVIEW environment. This feature allows you to take advantage of the power of each environment by selecting the one most appropriate for the tasks you want to perform, and allows you to share ASCII and other files created using UNIX or VP applications.

You select the initial environment you want to use each time you start your workstation simply by logging on as a UNIX or a VP user.

VP applications related to UNIX

- *VP Window to UNIX Shell* application
- *X Environment Window* application
- *VP Window to UNIX File System* application.

UNIX application related to VP:

- *xwsft* (UNIX command).

When you are working in GLOBALVIEW

In addition to its many document and network-related applications, the GLOBALVIEW environment provides you with the following UNIX-related applications that help you interoperate with the UNIX environment.

VP Window to UNIX Shell

The *VP Window to UNIX Shell* application allows you to run one or more UNIX shells from your GLOBALVIEW desktop. The application works in a way similar to the terminal emulation applications as described in the *Host Interfaces User Guide*. There are two icons that you use: the Window to UNIX Shell Terminal icon and the UNIX Shell Port icon.

If you are working in GLOBALVIEW and want to issue a UNIX command, you can do so without leaving GLOBALVIEW.

X Environment Window

The *X Environment Window* (XEW) application, an optional application that requires installation of the X server, allows you to run and operate X Window System applications from your GLOBALVIEW desktop.

The X Environment Window is described in a separate section of this document.

VP Window to UNIX File System

The *VP Window to UNIX File System* application provides a quick and easy way to transfer files back and forth between the GLOBALVIEW and UNIX environments. The VP Window to UNIX File System icon provides a window from the GLOBALVIEW environment to the UNIX file system.

You can use the *VP Window to UNIX File System application* to:

* List the files contained in a UNIX directory

* Copy or move files from the GLOBALVIEW environment to the UNIX environment in one of two storage formats: XWS or UNIX

* Copy or move files from the UNIX environment to the GLOBALVIEW environment

* Copy or move files from one UNIX directory to another UNIX directory

* Delete UNIX files

* Display properties of UNIX files.

When you are working in UNIX

The UNIX environment allows you to run UNIX applications and to use the many built-in UNIX commands. In addition, the UNIX environment allows you to perform various VP-related activities.

When you are working in the UNIX environment, you may want to access information from the GLOBALVIEW environment. You can use **xwsft**, a file transfer tool, to retrieve and list VP files.

You can use **xwsft** and its subcommands to retrieve any VP desktop object and retain all of its characteristics. This allows you to later return it to the GLOBALVIEW environment with its file attributes intact.

Switching from UNIX to the GLOBALVIEW environment is simple. If you want to enter the GLOBALVIEW environment from the UNIX environment, you can enter a command that starts GLOBALVIEW. You do not need to reboot the workstation.

xwsft (UNIX command)

The **xwsft** command allows you to list VP files that reside in the GLOBALVIEW environment and copy them to a specific UNIX directory.

The **xwsft** command provides a set of subcommands you can use to perform the following tasks:

- List VP files in the GLOBALVIEW environment

- Retrieve a VP file or directory of files from the GLOBALVIEW desktop to a UNIX directory

- Determine or change the VP working directory on the GLOBALVIEW desktop

- Determine or change the working directory in UNIX.

Training: None

Reference: *UNIX Interoperability User Guide*

Hardware: 6500 series workstation

XWS Utilities

These are new to VP 3.0 and only relate to the Xerox 6500 series workstation.

C Interfaces to Document Interchange

This is a C/UNIX programming package that allows you to read or create VP documents on the desktop using C language tools. It can be useful in constructing C/UNIX applications that transfer information between GLOBALVIEW VP documents into other environments and data formats.

The package consists of a UNIX library and the associated C header files. Using the package, a programmer may construct a conventional C/UNIX application program which reads information from any desired source and writes it into a VP document in the GLOBALVIEW environment, or vice versa. Please see the reference documentation for more information.

C Interfaces to XNS Interfaces

This is a C/UNIX programming package allows you to write programs to access Xerox Network Services (XNS), including File Service, Mail Service, Print Service, Clearinghouse Service and others. It can be useful in constructing C/UNIX applications that utilize these services, such as a laser printer or a file storage service.

The package consists of a UNIX library and the associated C header files. Using the package, a programmer may construct a conventional C/UNIX application program that interacts with XNS network services. Please see the reference documentation for more information.

XWS Installer

The Installer is a UNIX application used to install the GLOBALVIEW software. The Installer presents a menu of the various installation choices, and takes care of the details of installation automatically. Software may be installed either from a cartridge tape or from an XNS file service.

The Installer can also be used to repair the GLOBALVIEW file system. (This can be useful in certain unusual situations.)

Training: None

Reference: *Document Interfaces Tool Kit Library*

Hardware: 6500 series workstation

3.   VP 3.0 software

With the VP Series 3.0 software change release, there are many new and enhanced applications. This section describes the applications listed below in Table 3-1 under New features or Enhancements. The document presents them in alphabetical order by product name.

Many applications can be used on the 6085 Workstation *and* the Xerox 6500 series workstation, but some can be used only on one or the other. A workstation icon after each major feature indicates which hardware platform applies.

Table 3-1. **VP 3.0 software change summary**

New features	Enhancements
VP Online Samples Guide	VP Basic Graphics
VP Thesaurus	VP Cartridge Tape
X Environment Window	VP CUSP Buttons
	VP Data Capture
	VP Document Editor
	VP File Conversions
	VP Fonts
	VP Freehand
	VP Long Document Options
	VP List Manager
	VP Office Accessories
	VP PC Emulation (6085 only)
	VP Shared Books
	VP Spelling Checker
	VP Spreadsheet
	VP Terminal Emulation and data link software
	Xerox Equations
	Xerox Illustrator products

VP Basic Graphics

This application is now a separate, product factored option. In VP 2.0 it was part of the *VP Document Editor*.

Training: *VP Basic Graphics Tutorial*

Reference: *Graphics User Guide*, chapter 2, VP Basic Graphics

Hardware: 6085 Workstation and 6500 series workstation

VP Cartridge Tape

Two versions of the Cartridge Tape software allow you to use a cartridge tape drive specific to the different hardware platforms.

Listed below are the cartridge tape features for the 6500 series workstation that differ from the 6085 Workstation:

- You can use the tape drive and the floppy drive at the same time.

- Network services are available during tape operations.

- You can have up to two physical tape drives attached to your workstation, giving you two icons from which to choose

- The ability to span files across several tapes is not available. Since one tape cartridge holds 150 megabytes of data, it is not necessary to span files across several tapes.

- Once the following operations start, you cannot abort them:

  - Erase Tape

  - Reset Tension

  - Change Tape.

    You can cancel the [Change Tape] command before it begins by selecting [CANCEL] to the prompt requesting you to [Continue]. You can also interrupt this during the Rewinding phase.

- You can copy an object from a remote file drawer to a tape. You can also copy an object from the tape directly to a remote file drawer. If you have two tape drives attached to your workstation, you can copy an object from one tape to the other tape. (If you only have one tape drive system, you must copy the object to your desktop first.)

- You can restore a desktop from a backup tape containing the divider symbol (/) in your desktop name.

- You can compare an object on the tape directly to an object in a remote file drawer by selecting each and highlighting COMPARE in the Source Options of your Tape Drive Properties window (Figure 3-1).

Figure 3-1.   **6500 series workstation Cartridge Tape Drive Properties sheet**

Tape Drive Properties	Done Cancel
Icon Name	Tape Drive
Device	/dev/nrst8
Operate in	FOREGROUND BACKGROUND
	SHOW OPTIONS
List Files	ALL SPECIFIED 10
File Format	VIEWPOINT UNIX
Display Messages	IN ATTENTION WINDOW IN MESSAGE WINDOW
Erase Mode	RESET TAPE OVERWRITE
Source Options	COPY TO TAPE COPY TO DESKTOP COMPARE
Compare Copy to Source	BY FILE NAME FROM USER PROFILE CURRENT SELECTION
File Name	
DesktopFiles	DESKTOP ONLY DESKTOP PLUS CONTENTS
Tape Files	LISTED FILES ONLY ALL FILES

Training: None

Reference: *General User guide,* chapter 15, Cartridge tape

Hardware: 6500 series workstation

VP CUSP Buttons

VP CUSP Buttons contains a number of major enhancements. Table 3-2 lists these changes that are described in this section and presented in order of importance.

Table 3-2. **VP CUSP Buttons change summary**

Key features	Other features
String manipulation	Improved data security and privacy
Time enhancements	Improved table sorting
Copying anchored structures into fields	Power features for CUSP programmers
Accessing more icons	Additional convenience
Accessing record files like tables	

Key features

The five key features in this version of CUSP are described in this section.

String manipulation

Three new functions make it possible for CUSP to manipulate text strings and substrings. Text strings are sequences of consecutive characters in any font and typeface. Substrings are parts of strings consisting of consecutive characters. These functions can manipulate text constants or any GLOBALVIEW text source that CUSP can access (fields and tables, and record files).

- STRINGLENGTH—Returns the number of characters in the string.

- SUBSTRING—returns the characters in a substring, with character properties exactly as they appear in the substring.

- FINDSTRING—returns the starting character position of a substring.

Time enhancements

The time enhancements provide the following new functionality:

- Get current time in non-U.K./U.S. (non-English) formats

- Get a count in seconds corresponding to the current date and time

- Form second counts from user-readable date and time combinations

- Do time count arithmetic, including calculation of elapsed time

- Compare date-time combinations by comparing their second counts.

Copying anchored structures into fields

Document fields can contain structure characters, such as table and graphics anchors, page format and page breaks and table of contents markers. In previous releases of CUSP, structure characters were ignored when CUSP programs manipulated the contents of fields.

Now, the following operations on document fields of type TEXT or ANY will include the structure characters, in addition to all other contents:

- Copying the contents of one field to another (either via a fill-in rule or a STORE statement).

- Concatenating the contents of a field with text or with another field.

Including structure characters makes sense only for the two operations listed above. CUSP will ignore structure characters, as before, in all other operations: arithmetic, date, logical, and relational.

Accessing more icons

CUSP will allow users to manipulate the contents of many container icons that were not accessible in VP 2.0. The icons that can now be accessed by CUSP are listed as follows:

- Dividers
- Cartridge Tape
- Floppy
- Loader
- PCFixedDisk
- Virtual Floppy
- Reference Icons
- Shared Books.

Accessing record files like tables

CUSP programs will be able to access the contents of record file views using the same syntax as is used to access the contents of tables. The following operations will be possible:

- Store a value into a view cell
- Get the contents of a view cell
- Enumerate the rows of a view
- Add a new row to a view
- Delete a row from a view.

Other features

Four additional enhancements to CUSP are described in this section.

Improving data security and privacy

New statements added to the CUSP language allow you to protect your workstation from unauthorized access while CUSP programs are being executed.

Improved table sorting

- Sort tables using a single statement
- Ability to sort all tables in a document, not just the first.

Power features for CUSP programmers

- Indirectly specify fields, buttons, tables

- EXIT statement in FOR EACH and WHILE loops

- FOR EACH Field statement (used to enumerate document fields)

- Obtain the name of a document field variable.

Additional convenience items

- Obtain program listings.

- Query environment data.

- Recognize more keyboard symbols.

- Unconditionally delete icons—the DELETE NOW statement will delete icons immediately and unconditionally, regardless of the wastebasket purge property setting.

- Enables a beep statement—the BEEP statement enables the user to generate a simple tone. The BEEP statement can be used to notify the user when a CUSP program is complete, when an error condition arises, or when the user needs to take action before invoking another CUSP program.

Training:	None
Reference:	*VP CUSP Buttons User Guide*

Hardware:	6085 Workstation and 6500 series workstation

VP Data Capture

VP Data Capture has been enhanced since VP 2.0 to include the following features:

- New User Profile entry—StrongColumnWidthCompaction, a new entry that adjusts the size of columns if the table is larger than default size so the table will fit on a page.

- New clause—TRUNCATE, specifies whether spaces to the left or right, or both sides, or no spaces should be captured.

Training: *VP Data Capture Tutorial*

Reference: *Information Management User Guide*, Part 1, Data Capture

Hardware: 6085 Workstation and 6500 series workstation.

VP Document Editor

VP Document Editor includes enhancements or changes in many areas that impact document-related VP applications. The following table lists the enhanced and new Document Editor features described in this section.

Table 3-3. **VP Document Editor change summary**

Enhancements	New features
Autohyphenation	Extract Rules
Books	Vertical Writing
Color character properties	
Define/Expand	
Pagination	
Upgrader (VP 2.0 to 3.0) and Downgrader (VP 3.0 to 2.X) tools	

Autohyphenation

A 100,000 word hyphenation dictionary has been added to the Autohyphenation feature.

The system-created hyphenation dictionary contains a word list of 100,000 English language words (4,000 more than VP 2.0), which is shared with the *VP Spelling Checker*. This system contains hyphenation priorities, allows words to be broken with natural language considerations, and is 100 percent accurate. Words not in the system are considered to have no hyphenation points.

The dictionary is always active when you use Autohyphenation. You cannot change its contents.

Training: None

Reference: *Document Editor: Formatting Tools User Guide*, chapter 3, Autohyphenation

Hardware: 6085 Workstation and 6500 series workstation

Books

In addition to documents, a book can now contain other folders and books. Each container within a book can contain over 200 separate documents and containers. The pages of the documents will be numbered in accordance with your selections whether or not they are nested in folders or sub-books.

Training: *VP Document Editor I Tutorials: Document Creation and Styles*

Reference: *Document Editor: Formatting Tools User Guide*, chapter 8, Books

Hardware: 6085 Workstation and 6500 series workstation.

Color character properties

The following illustrations show the color support features on the Text property sheet for the 6085 Workstation and 6500 series (monochrome display) workstation, as well as for the 6500 series (color display) workstation.

Figure 3-2.   **6085 Workstation and 6500 series (monochrome display) workstation Text Property sheet (showing color support features)**

3-9
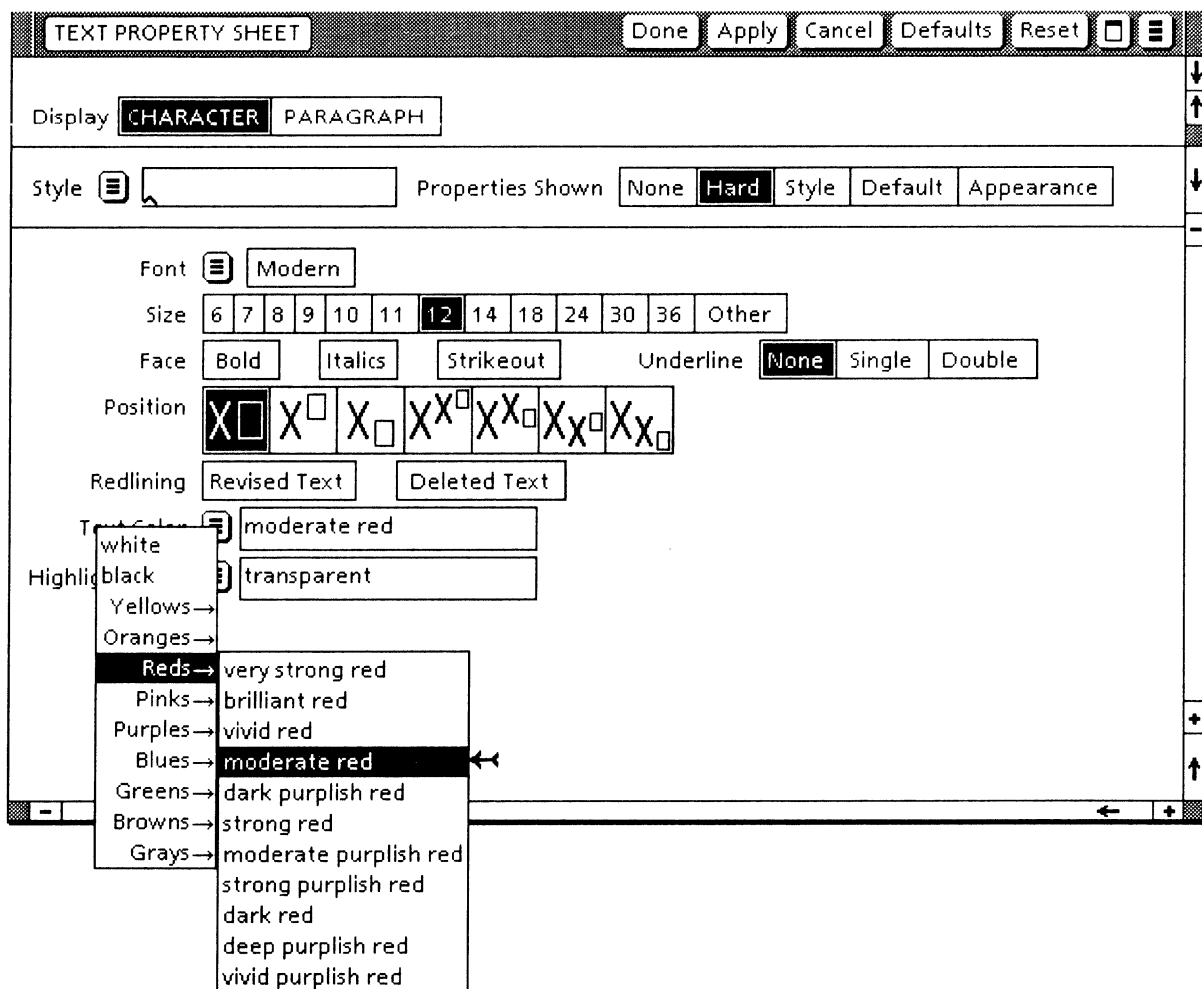
Figure 3-3. **6500 series (color display) workstation Text Property sheet (showing color support features)**

| TEXT PROPERTY SHEET | | | | Done | Apply | Cancel | Defaults | Reset | □ | ≣ |

Display ▓CHARACTER▓ PARAGRAPH

Style ≣ [   ] Properties Shown | None | **Hard** | Style | Default | Appearance

Font ≣ | Modern |
Size ■12■ | Other |
Face | Bold | Italics | Strikeout | Underline | **None** | Single | Double |
Position [X■] [X□] [X□] [XX□] [XX□] [Xx□] [Xx□]
Redlining | Revised Text | Deleted Text |
Text Color ■ ≣ | brilliant red |
Highlight Color ■ ≣ | dark blue |
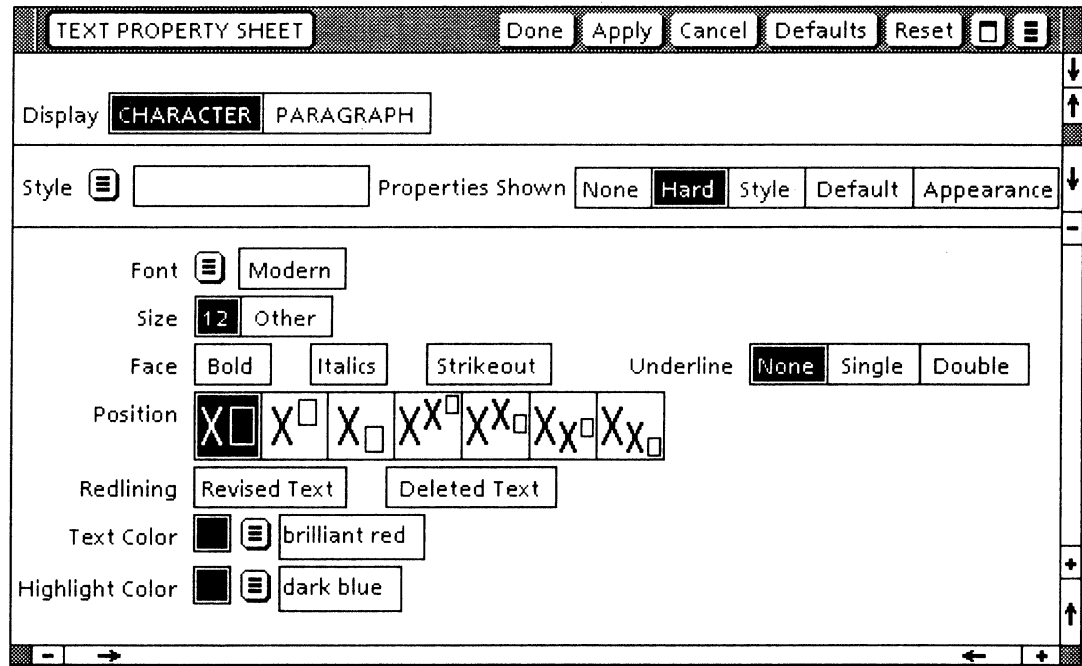
Training: *VP QuickStart Tutorial*
Reference: *General User Guide*, chapter 7, Color

Hardware: 6085 Workstation and 6500 series workstation

Document upgrader/downgrader feature

VP 3.0 contains software tools that upgrade and downgrade documents created at different software levels. (Text may display or print differently when upgrading or downgrading documents.) The following upgraders and downgraders are available for VP 3.0:

Upgraders: (automatic)

• VP 2.0 to VP 3.0.

Downgraders: (downgrade software running)

• VP 3.0 to VP 2.0
• VP 3.0 to VP 2.1.

Alternatively, you can use the [Upgrade] command in the desktop auxiliary menu to upgrade or downgrade document icons on the desktop. You can also use the Object Conversion Utility to upgrade or downgrade a file drawer containing such documents. Downgraders run on VP 2.0 level workstations.

Book Downgrader

The *Book Downgrader* application allows VP 3.0 Books to open with VP 2.0 software.

The application is available via the desktop auxiliary menu. Users can select one or more books, either in a container or on the desktop, and then invoke the command, [Downgrade Book]. Selected items that are not books are ignored.

Unlike the document downgraders, the book downgrader will not be invoked automatically and invisibly on user action such as "Open." The downgrading process will take place in the background. Only the book itself will be downgraded, not individual files in it.

Training:	None
Reference:	*VP 3.0 Upgrade Summary*, chapter 6, Downgrading objects to VP 2.0
Hardware:	6085 Workstation

VP List Manager Forward Converter (VP 2.0 to VP 3.0)

This application allows you to upgrade VP 2.0 record files to VP 3.0 format on a 6085 Workstation running VP 2.0. You can only upgrade the documents in the Forms Folder after you transfer the documents to a VP 3.0 workstation.

Training:	None
Reference:	*VP 3.0 Upgrade Summary*, chapter 4, Upgrading objects to VP 3.0
Hardware:	6085 Workstation

VP List Manager Upgrade tool

This application automatically upgrades VP 2.0 record files to List Manager 3.0 format on a 6085 Workstation running VP 3.0. It also automatically upgrades the documents in the Forms Folder.

Training:	None
Reference:	*VP 3.0 Upgrade Summary*, chapter 4, Upgrading objects to VP 3.0
Hardware:	6085 Workstation

Xerox Illustrator Upgrader to VP 3.0

The Xerox Illustrator Upgrader, used in conjunction with the Document Upgrader, upgrades VP 2.0 and 2.X documents containing Xerox Pro Illustrator or Xerox Chemical Illustrator frames to VP 3.0 documents, and allows you to open them on a 6500 series workstation.

Training: None

Reference: *VP 3.0 Upgrade Summary,* chapter 4, Upgrading objects to VP 3.0

Hardware: 6500 series workstation

Xerox Illustrator Downgrader (VP 3.0 to VP 2.0.15)

The Xerox Illustrator Downgrader allows VP 3.0 documents containing Xerox Pro Illustrator or Xerox Chemical Illustrator frames to open with 2.0.15 software. Since 2.0.15 was a mandatory upgrade for those customers with Xerox Pro Illustrator, the downgrader will not downgrade to VP 2.0.

Training: None

Reference: *VP 3.0 Upgrade Summary,* chapter 6, Downgrading objects to VP 2.0

Hardware: 6085 Workstation

Extract Rules

Currently, users who wish to print fill-in rules or CUSP programs, or users who wish to see the contents of more than one CUSP program at a time must follow a manual process. Extract Rules allows you to do the following:

• Copy rules from one document to the next via a pull-down menu.

• Create a document (or a folder of documents) containing the fill-in rules and CUSP button scripts for a selected document (or folder).

You can use a menu command or the Extract Rules icon to generate the documents.

Training: None

Reference: *VP CUSP Buttons User Guide,* chapter 2, Working with CUSP buttons

Hardware: 6085 Workstation and 6500 series workstation

Pagination

The following are changes in the Pagination commands for VP 3.0:

• The 2.0 document [Simple Paginate] is now called [Paginate] in VP 3.0. The new command will paginate documents considerably faster than the former [Simple Paginate] command. The 3.0 [Paginate] command does *not* save the contents of a document, so you must perform a [Save], [Save & Edit], or [Compress and Paginate] operation to save your edits.

• Document [Paginate] is now called Document [Compress and Paginate]. It performs the same function as the previous release [Paginate] option; it saves all document edits and page format changes into the smallest number of disk pages. Desktop [Paginate] is now called Desktop [Compress and Paginate].

Training: *VP Document Editor I Tutorials: Document Creation and Styles*

Reference: VP *Document Editor: Basics User Guide,* chapter 9, Pagination

Hardware: 6085 Workstation and 6500 series workstation

Vertical Writing

Vertical Writing is a new feature that enables users to specify the text orientation (vertical or horizontal) of text frames. Vertical text grows from top to bottom, with successive vertical lines of text growing to the left.

You specify the orientation of the text frame in the text frame property sheet.

Training: None

Reference: *Document Editor: Basics User Guide,* chapter 7, Tabs

Hardware: 6085 Workstation and 6500 series workstation

VP File Conversions

This section describes the changes to VP File Conversions.

VP File Conversion of ASCII Documents

This software contains no new functionality and is being re-released for compatibility purposes only.

VP File Conversion of Document Interchange Format Documents

This software contains no new functionality and is being re-released for compatibility purposes only.

VP File Conversion of IBM DCA Documents

This software contains no new functionality and is being re-released for compatibility purposes only.

VP File Conversion of Lotus 1-2-3 Spreadsheets

This software contains no new functionality and is being re-released for compatibility purposes only.

VP File Conversion of ODA Documents

VP File conversion of Office Document Architecture (ODA) documents is a new application that enables a VP Series Application user on the 6085 or 6500 hardware, to convert ODA documents to and from VP documents. ODA documents must arrive on the desktop as ODIF files, but the conversion does not care what method of transportation was used, whether it be X.400 mail, floppies, or some other method.

You can convert ODA files that conform to the EWOS Q112 document application profile (DAP), which is currently used in Europe.

The ODA standard produces three kinds of documents: processible, formatted processible, and formatted. The ODA to VP conversion can only convert processible documents or the processible part of formatted processible documents. It cannot convert formatted documents. The VP to ODA conversion creates EWOS Q112 DAP ODA files in processible form only.

ODA to VP conversion features

- ODA text is converted including bold, underline, crossing-out, sub/superscripting, and italics. It converts text to Classic Modern and Terminal fonts.

- ODA frames are converted into VP anchored text frames or frames positioned in VP Basic Graphics frames.

- ODA Geometric Graphics are converted into VP Basic graphics frames.
- ODA Document Profiles are partially converted to VP coversheets.

VP to ODA conversion features

- Xerox character set 0 text is properly converted, nearly all other characters are translated as the ODA substitute code.
- Converts fonts to serif, sans serif, or fixed pitch. Bold, underlining, strikeout, sub/superscripting, and italics are also converted.
- VP Text frames are converted into Figures.
- VP Table contents are converted into text form in a Figure, since ODA has not defined a mechanism for representing tables.
- VP Bitmap frames are converted to compressed T.6 bitmaps.
- VP coversheets are partially converted to the document profile.
- Paragraph and Character style sheets are not converted.
- VP Equation frames are not converted.

VP File Conversion of VisiCalc Spreadsheets

This software contains no new functionality and is being re-released for compatibility purposes only.

VP File Conversion of Wang Documents

This software contains no new functionality and is being re-released for compatibility purposes only.

VP File Conversion of WordStar Documents

This software contains no new functionality and is being re-released for compatibility purposes only.

VP File Conversion of 860 Documents

This software contains no new functionality and is being re-released for compatibility purposes only.

Training: None

Reference: *File Conversions User Guide*

Hardware: 6085 Workstation and 6500 series workstation

VP Series fonts

Three new font families have been added to Xerox screen font products:

- VP CG-CS Times Fonts
- VP CG-CS Triumvirate Fonts
- VP Xerox Equation Fonts.

VP CG-CS Times Fonts

PostScript-compatible Licensed screen fonts—318 characters.

VP CG-CS Triumvirate Fonts

PostScript-compatible Licensed screen fonts—318 characters.

VP Helvetica 300 Fonts

This software contains no new functionality, it is a re-release of the VP 2.0 version for compatibility purposes only.

VP Optima 300 Fonts

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

VP PC Emulation Fonts

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

VP Printwheel Fonts

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

VP Terminal Fonts

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

VP Times 300 Fonts

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

VP Univers 300 Fonts

This software contains no new functionality, it is a re-release of the VP 2.0 version for compatibility purposes only.

VP Xerox Classic Fonts

This software is not part of VP 3.0 and is superseded by VP Xerox Enhanced Classic fonts.

VP Xerox Enhanced Classic Fonts

This software replaces VP Xerox Classic fonts.

VP Xerox Enhanced Modern Fonts

This software replaces VP Xerox Modern fonts.

VP Xerox Equation Fonts

These fonts were added to support the enhancements to the VP Equations software. They can be used separately from the Equations application for engineering and scientific purposes and are similar to a public domain fonts used by T_EX called Computer Modern.

Two new keyboards are provided with Xerox Equations software for use with this font: Equation Symbols and Equation Miscellaneous.

VP Xerox Modern Fonts

This software is not part of VP 3.0 and is superseded by VP Xerox Enhanced Modern fonts.

VP Xerox Quartz Fonts

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

Training: None

Reference: *Font User Guide*

Hardware: 6085 Workstation and 6500 series workstation

VP Freehand

This software was formerly called *VP Free-Hand Drawing* and has been enhanced to include the following:

• Canvas resolution is available in any whole number between 72 and 1200 dpi. You can change the resolution via the property sheet.

• Canvas sheet size is selectable by inch, mm, cm, or point.

Training: *VP Freehand Tutorial*

Reference: *Graphics User Guide*, chapter 4, VP Freehand

Hardware: 6085 Workstation and 6500 series workstation

VP Long Document Options

VP Long Document Options has been enhanced to include changes to *Footnotes.*

The VP 3.0 Series software provides several new capabilities in the page layout of footnotes:

• The footnote ruling line and automatic footnote splitting enhancements are parameters of the page layout process that affect footnote placement. The new items for specifying this feature are:

  - Automatic generation of a footnote ruling line to separate footnotes from the page body text.

  - Automatic splitting of long footnotes at page or column boundaries.

• Footnotes have been enhanced to enable footnote numbering to continue across documents during the pagination of a book or shared book (Figure 3-4).

Figure 3-4. **Footnote numbering and placement options**
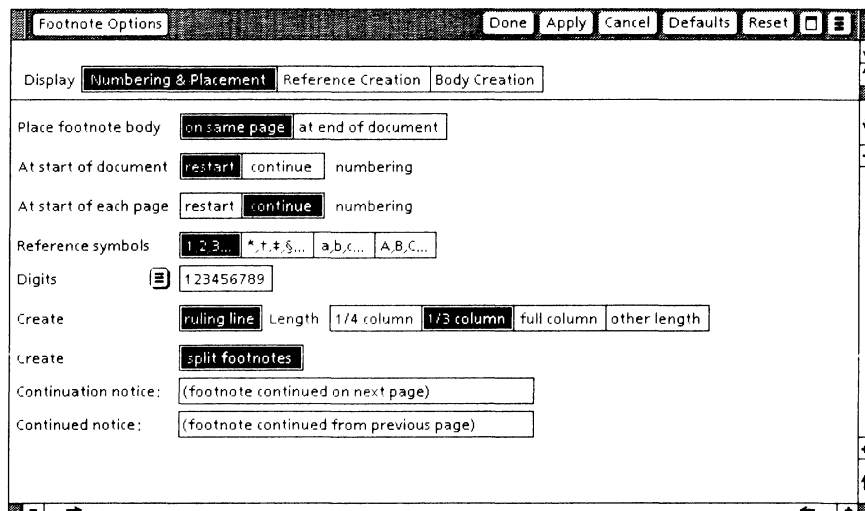
Training:	*VP Long Document Options Tutorial*
Reference:	*Document Editor Options User Guide*, chapter 4, Footnotes
Hardware:	6085 Workstation and 6500 series workstation

VP List Manager

This software has been enhanced to include the following:

• General performance improvements

• Automatic numbering of records

• Accessibility by CUSP

• Background printing of views (MakeDoc and ViewPrint)

• Printing option sheet can be selected and changed at any time, not just when printing.

Training:	*VP List Manager Tutorial*
Reference:	*Information Management User Guide*, Part 2, List Manager
Hardware:	6085 Workstation and 6500 series workstation

VP Office Accessories

An enhancement has been added to the *Keyboard Accelerators* application and some changes have been made to the *Personal Calendar* application.

Keyboard Accelerators

This software has been enhanced to include a User Keyboards divider.

When the *Keyboard Accelerators* application is loaded and running in the application loader, the User Keyboards divider appears in the Desktop divider of the Directory. (See Figure 3-5).

Figure 3-5. **User Keyboard divider in the Desktop divider**
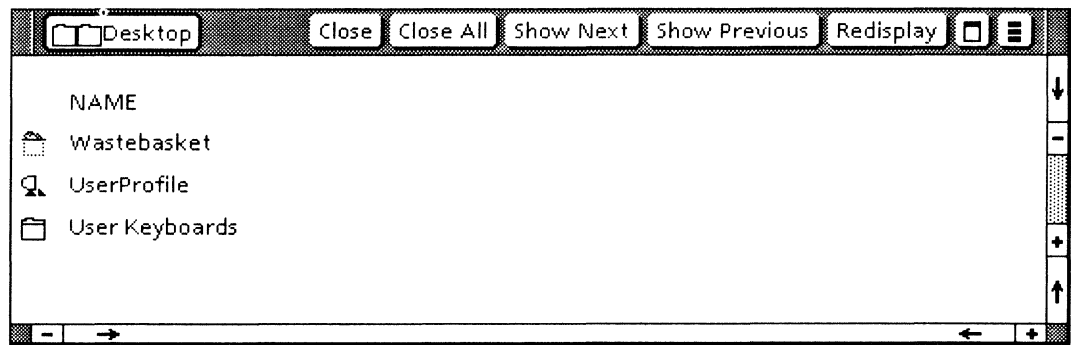
Whenever you move or copy a user keyboard into the User Keyboards divider, the keyboard becomes "registered." When a user keyboard is registered, it becomes available for use and its name appears in the Alternate Keyboard Selection window.

If you delete a user keyboard from the User Keyboards divider, or move it to another location, it becomes "unregistered." The name of the keyboard disappears from the Alternate Keyboard Selection window and the keyboard is unavailable for use.

You can store unregistered keyboards on the desktop, in a folder, or in a file drawer. You can reregister a user keyboard at any time simply by putting it back into the User Keyboards divider.

Training: *VP Office Accessories Tutorial*

Reference: *VP Office Accessories User Guide*, chapter 4, Keyboard Accelerators

Hardware: 6085 Workstation and 6500 series workstation

Personal Calendar

The following enhancements have been made to the *Personal Calendar* application for use with the 6500 series workstation.

- New commands in the header to make the calendar easier to use

- You can open the Reminder Window from the desktop auxiliary menu.

Training: *VP Office Accessories Tutorial*

Reference: *VP Office Accessories User Guide*, chapter 3, Personal Calendar

Hardware: 6500 series workstation

VP Online Samples Guide

The VP Online Samples Guide is a structured and graphical representation of the online samples delivered with the Basic Starter software. The guide provides business scenarios on how the pre-designed forms and templates can be used to support the day-to-day business activities. You can modify these templates and documents to suit your personal style. Templates are available for:

- Activity planning
- Chemical engineering
- Data capture
- Document designs
- Finance
- Forms
- Graphics frames and borders
- Graphic art
- Legal documents
- Labels
- Large lettering
- Maps
- Project management
- Technical documents.

Training: None

Reference: *VP Online Samples Guide*

Hardware: 6085 Workstation and 6500 series workstation

VP PC Emulation (6085 Workstation only)
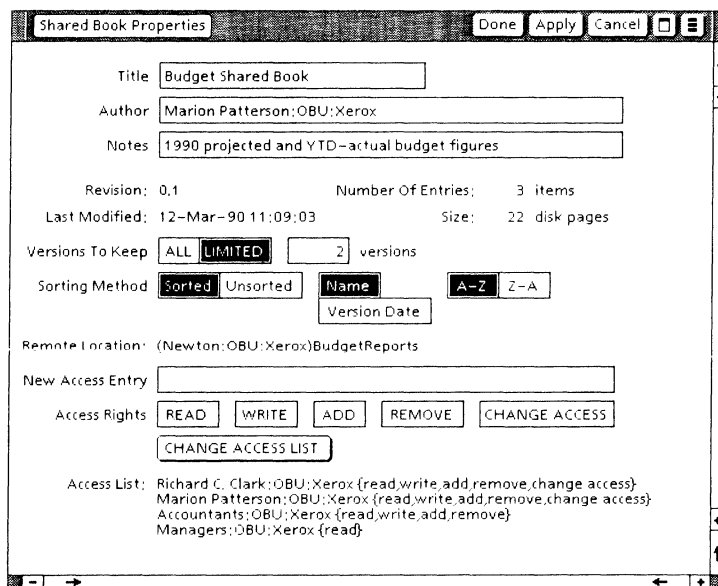
The features and functions have not changed for the 6085 Workstation since the VP 2.0 release. This software is not available for use on the 6500 series workstation.

VP Shared Books

Several changes have been made to the *VP Shared Books* application:

- Shared Books no longer uses Librarian services to control user access to the shared book. Not only does this make Shared Books much more reliable, but easier to install, manage, and use.

- Access list capabilities have been refined. There is the notion of a shared book owner. Also, locking is dependent on a user's access rights.

- Allows reference icons, folders, record files, and other containers to be included in a shared books icon. Exceptions are mail folders, shared books, and shared libraries.

- Shared Books is hierarchical. You can select options to display the structure of nested objects such as folders and their contents within a shared book.

- You can now use the property sheet of any object permitted within a shared book, as long as the object is locked.

- Shared Books operations have been moved into the background where applicable.

- 6085 Workstation and 6500 series workstation users on the same network and running VP 3.0 software can access and upgrade VP 2.0 Shared Book containers.

- The Shared Books Properties sheet now includes a new field for the Author's name (Figure 3-6).

Figure 3-6. **Shared Books Properties sheet for owners**

Shared Book Properties				Done	Apply	Cancel

Title | Budget Shared Book

Author | Marion Patterson:OBU:Xerox

Notes | 1990 projected and YTD-actual budget figures

Revision: 0.1   Number Of Entries: 3 items
Last Modified: 12-Mar-90 11:09:03   Size: 22 disk pages

Versions To Keep ALL **LIMITED**   2 versions

Sorting Method **Sorted** Unsorted   **Name**   A-Z Z-A
                                        Version Date

Remote Location: (Newton:OBU:Xerox)BudgetReports

New Access Entry

Access Rights READ   WRITE   ADD   REMOVE   CHANGE ACCESS

CHANGE ACCESS LIST

Access List: Richard C. Clark:OBU:Xerox {read,write,add,remove,change access}
Marion Patterson:OBU:Xerox {read,write,add,remove,change access}
Accountants:OBU:Xerox {read,write,add,remove}
Managers:OBU:Xerox {read}

Training: *VP Shared BooksTutorial*

Reference: *VP Shared Books User Guide*

Hardware: 6085 Workstation and 6500 series workstation

VP Spelling Checker

Spelling Checker has been enhanced since VP 2.0 in the following ways:

• New option sheet changes:

  – [Typo]
  – [Phonetic]

• 100,000 word dictionary.

Option sheet changes

You can now choose one or two types of correction methods, [Typo] or [Phonetic], and you can select one or more spelling checker dictionaries that the Spelling Checker will use to verify the spelling of words.

• [Typo]—Generates corrections for misspelled words that have: a single incorrect character, two adjacent characters transposed, or an extra character included or missing. [Typo]

corrections are obtained from the American English dictionary or custom dictionaries you create.

- [Phonetic]—Generates corrections that sound like the misspelled word. For instance if you request a correction for "krokodial," this method generates the word "crocodile." Only the American English dictionary supports [Phonetic] corrections.

Figure 3-7. **Spelling Checker Option sheet**
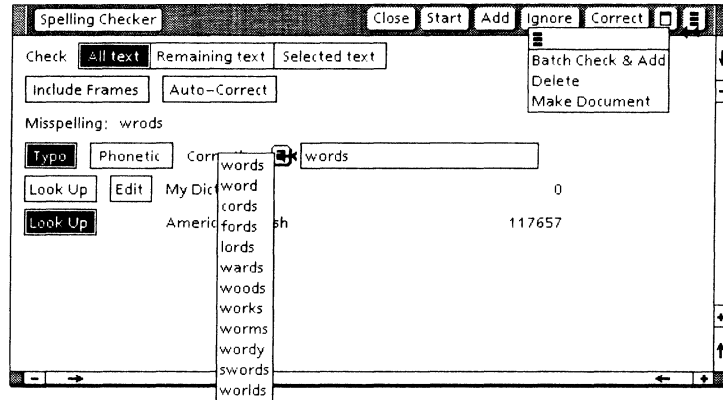
100,000 word dictionary

Spelling Checker uses the system created dictionary (for U. S. English language only) containing a word list of 100,000 words (4,000 more than VP 2.0). This dictionary is shared with the *Autohyphenation* feature of the *VP Document Editor*.

Training:	*VP Spelling Checker and VP Thesaurus Tutorials*
Reference:	*Document Editor Options User Guide*, chapter 5, VP Spelling Checker
Hardware:	6085 Workstation and 6500 series workstation

VP Spreadsheet

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

Training:	*VP Spreadsheet Tutorial*
Reference:	*Information Management User Guide*, Part 3, VP Spreadsheet
Hardware:	6085 Workstation

VP Terminal Emulation and data link software

The following are changes to all terminal emulators:

- The fonts, Terminal 12 and Terminal 12 Bold, have been extended to support additional characters to facilitate the emulation of a wider range of terminals. In particular, representations for the control characters 0B-37B, 204B-227B and 233B-237B, and a more complete set of line drawing characters are now supported by the fonts (note that the Terminal 8 fonts have not been extended in the same manner).

- All TTY-type emulators (TTY, VT100, 4014, VT640) can now handle VP TCP ports and the UNIX port.

- Minor changes were made on some property sheets.

Local RS232C Communication Access

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

Remote System Administration

A new set of dividers make it easier to administer specific services.

This software also contains features or changes requested by customers.

VP Terminal Emulation of TTY

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

VP Terminal Emulation of DEC VT100

The ALT keyboard has been removed.

VP Terminal Emulation of IBM 3270

This software also contains features or changes requested by customers.

VP Terminal Emulation of Tektronix 4014

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

VT640 Graphics Emulator

The ALT keyboard has been removed.

XEROX GLOBALVIEW AND VP 3.0 SOFTWARE

VP IBM 3270 File Transfer

This software contains features or changes requested by customers.

VP TCP Access

This software contains no new functionality; it is a re-release of the VP 2.0 version for compatibility purposes only.

Training: *VP Terminal Emulation Tutorials*

Reference: *Host Interfaces User Guide*

Hardware: 6085 Workstation and 6500 series workstation

VP Thesaurus

VP Thesaurus is a new application that quickly shows you alternate words and provides you with a wide variety of relevant terms to choose from. The thesaurus presents information in a two level format, one listing the basic meaning of the word or context, the other providing a list of synonyms.

Once the *VP Thesaurus* application is loaded, it becomes available in the "Office Accessories" folder in the Workstation divider.

Training: *VP Spelling Checker and VP Thesaurus Tutorials*

Reference: *Document Editor Options User Guide*, chapter 7, VP Thesaurus

Hardware: 6085 Workstation and 6500 series workstation

X Environment Window

The *X Environment Window* (XEW) is a new application that supports running and operating X Window System applications from within the GLOBALVIEW environment. It also provides the ability to exchange data between VP and X applications.

Some of the new features are:

* The *X Environment Window* application allows X applications to run concurrently with VP Series applications.

3-26

VP SERIES REFERENCE LIBRARY

- The X desktop (on top of which the X applications run) exists within a scrollable/sizable VP window shell.

- X applications and VP applications will exchange (copy and move) data via a clipboard.

- Users can run third-party standard X Window system applications compiled for the Xerox 6500 series workstations.

The *X Environment Window* application uses the XEW icon to provide a window to the X desktop. You use the X desktop to run X Window System applications.

After the *X Environment Window* application is loaded and running, the XEW icon appears in the Basic Icons divider inside the Directory divider.

Training: None

Reference: *UNIX Interoperability User Guide*

Hardware: 6500 series workstation

Xerox Equations

Xerox Equations has been enhanced to include the following features:

- New equation structures
- Automatic scaling of structures
- Multi-line equations that automatically align with major equality characters
- New font flexibility
- Unanchored equation frames
- Ability to manually adjust the vertical and horizontal positions of equation structures and their arguments
- Conversion of Xerox Equations contents into TeX language
- Support for UNDO function, horizontal tab control, line return, Find, Spelling Checker, Index Generator and Table of Contents.

Training: *Xerox Equations Tutorial*

Reference: *Document Editor Options User Guide*, chapter 6, Xerox Equations

Hardware: 6085 Workstation and 6500 series workstation

Xerox Illustrator products

The following are changes to the Xerox Illustrator products for the 6085 Workstations since VP 2.0.

Xerox Chemical Illustrator

Xerox Chemical Illustrator is a new application first released in VP 2.0.15. It is a two-dimensional drawing package for people working in the chemical and pharmaceutical fields. Some features of the product include:

- Bond and ring drawing with atom labeling

- Selection and editing of individual bonds and atoms as well as entire structures

- Ability to create and include ChemDraw™ connection tables

- 37 different bond types

- Up to 41 frames per document possible.

The VP 3.0 version allows up to 244 frames per document.

Xerox Illustrator Basics

Xerox Illustrator Basics is the foundation graphics software for the Illustrator family of products and is required for either the Xerox Pro Illustrator or the Xerox Chemical Illustrator.

This version has been re-released for compatibility purposes only.

Xerox Pro Illustrator

Xerox Pro Illustrator VP 2.0.15 is a mandatory upgrade from VP 2.0 for the 6085 Workstation. It includes the following features:

- New gridding capabilities: Paraline (isometric and similar projections) and Perspective (one, two, and three-point perspective)

- Bitmap frames

- Cutting any object anywhere along its outline

- Gravity to intersections and object edges

- Improved performance

- Up to 41 frames per document now possible.

The VP 3.0 version allows up to 244 frames per document.

Xerox Pro Illustrator Conversion of VP Basic Graphics

The Xerox Pro Illustrator Conversion of VP Basic Graphics has been enhanced since VP 2.0. VP 3.0 features include conversion of data-driven graphics and conversion of bitmaps.

Xerox Pro Illustrator from IGES Converter

The Xerox Pro Illustrator from IGES Converter application has been enhanced since VP 2.0 to include a property sheet to control the size and scale of the converted drawings.

The VP 3.0 version of the converter runs with Illustrator Basics in the VP 2.0 and VP 3.0 environment on the 6085 Workstation.

Xerox Pro Illustrator to IGES Converter

The Xerox Pro Illustrator to IGES Converter is a new product since VP 2.0. Together with the Xerox Pro Illustrator from IGES Converter, it offers a bidirectional transfer of files to and from the IGES standard format.

VP 3.0 version of the converter runs with VP 2.0 and VP 3.0 Illustrator Basics.

Hardware: 6085 Workstation

Part II

Upgrading, exchanging, and downgrading VP objects

4. Upgrading objects to VP 3.0

You can easily upgrade documents, books, folders, and other objects created with ViewPoint 2.0 or 2.1 software applications and use them on Xerox workstations running VP 3.0 applications.

You use the upgrader tools provided with your XWS and VP software package, to upgrade VP 2.0 and 2.1 objects to VP 3.0. The upgrader tools described in this chapter enable you to upgrade the following objects:

* Documents containing text, text frames, table frames, or basic graphics frames

* Documents containing bitmap frames

* Documents containing data-driven graphics charts

* Documents containing equation frames

* Documents containing footnotes

* Documents containing Xerox Pro Illustrator frames or Xerox Chemical Illustrator frames

* Books

* Folders

* Record files

* Shared Books.

This chapter provides information on how you can upgrade VP 2.0 or 2.1 objects and use them on workstations running VP 3.0 applications.

Who should read this chapter

Read this chapter if you are a user of a Xerox workstation running VP 3.0 software and plan to work with objects created on a 6085 Workstation running VP 2.0 or 2.1 applications.

If you have not installed VP 3.0 on your workstation refer to the *VP 3.0 Software Installation Guide* for complete information.

About your workstation

The following terms are used in this chapter:

* A VP 2.0 workstation is a 6085 Workstation running *VP Document Editor 2.0* software.

* A VP 2.1 workstation is a 6085 Workstation running *VP Document Editor 2.1* software.

- A VP 3.0 workstation is a 6500 series workstation or a 6085 Workstation running *VP Document Editor 3.0* software.

Upgrading documents containing text, text frames, table frames, or basic graphics frames

Follow the procedures in this section to upgrade documents containing text, text frames, table frames, or basic graphics frames created with *VP Document Editor 2.0* or *VP Document Editor 2.1*.

Hardware requirements

To perform these procedures you need an operating 6500 series workstation or 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0*
- *VP Basic Graphics 3.0.*

Procedures

You can use any of the procedures described below to upgrade documents.

Upgrading documents with <Open>

1. Select a document icon.
2. Press <Open>.

Upgrading documents with the paginate commands

1. Select a document icon.
2. Select [Paginate] or [Compress & Paginate] in the desktop auxiliary menu.

Upgrading documents before printing them

1. Select a document icon.
2. Press <Move> or <Copy>.
3. Select a printer icon.

Upgrading documents with the [Upgrade] command

1. Select a document icon.
2. Select [Upgrade] in the desktop auxiliary menu.

Upgrading documents containing bitmap frames

Follow the procedure in this section to upgrade documents containing bitmap frames created with *VP Free-Hand Drawing 2.0*.

Hardware requirements

To perform this procedure you need an operating 6500 series workstation or 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0*
- *VP Freehand 3.0.*

Procedure

1. Select a document icon.
2. Press < Open >, or select [Upgrade] in the desktop auxiliary menu.

Upgrading documents containing data-driven graphics charts

Follow the procedure in this section to upgrade documents containing data-driven graphics charts created with *VP Data-Driven Graphics 2.0.*

Hardware requirements

To perform this procedure you need an operating 6500 series workstation or 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0*
- *VP Basic Graphics 3.0*
- *VP Data-Driven Graphics 3.0.*

Procedure

1. Select a document icon.
2. Press < Open >, or select [Upgrade] in the desktop auxiliary menu.

Upgrading documents containing equation frames

Follow the procedure in this section to upgrade documents containing equation frames created with *VP Equations 2.0* or *Xerox Equations 2.1*.

Hardware requirements

To perform this procedure you need an operating 6500 series workstation or 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0*
- *Xerox Equations 3.0.*

Procedure

1. Select a document icon.
2. Press < Open >, or select [Upgrade] in the desktop auxiliary menu.

Upgrading documents containing footnotes

Follow the procedure in this section to upgrade documents containing footnotes created with *Footnotes 2.0.*

Hardware requirements

To perform this procedure you need an operating 6500 series workstation or 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0*
- *Footnotes 3.0.*

Procedure

1. Select a document icon.
2. Press <Open>, or select [Upgrade] in the desktop auxiliary menu.

Upgrading documents containing Xerox Pro Illustrator frames or Xerox Chemical Illustrator frames

Follow the procedure in this section to upgrade documents containing illustrator frames created with *Xerox Pro Illustrator 2.0, Xerox Pro Illustrator 2.0.15,* or *Xerox Chemical Illustrator 2.0.15.*

The illustrator upgrader tool enables you to upgrade documents containing illustrator frames on the 6500 series workstation or 6085 Workstation.

If you upgrade a document containing illustrator frames on a 6500 series workstation, the frames appear empty but the document still contains the illustration information. You can view, edit, and print other parts of the document.

You cannot view or edit the content of the illustrator frames on the 6500 series workstation. If you transfer the document containing the illustrator frames to a 6085 Workstation running the appropriate illustrator software, you can view, edit, and print the content of the frames.

If you upgrade a document on a 6085 Workstation running the appropriate illustrator software, you can view, edit, and print the illustrator frames.

Hardware requirements

To perform this procedure you need an operating 6500 series workstation or 6085 Workstation.

Software requirements

To upgrade documents containing illustrator frames, you need the following applications loaded and running on your 6500 series workstation or 6085 Workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0.*
- *Xerox Pro Illustrator Upgrader to VP 3.0.*

To view, edit, or print the illustrator frames, you also need the following applications loaded and running on a 6085 Workstation:

- *Xerox Chemical Illustrator 3.0*
- *Xerox Pro Illustrator Basics 3.0*
- *Xerox Pro Illustrator 3.0.*

Procedure

1. Select a document icon.

2. Press < Open >, or select [Upgrade] in the desktop auxiliary menu.

Upgrading books and folders

Follow the procedures in this section to upgrade books or folders created with *VP Document Editor 2.0* or *VP Document Editor 2.1*.

Hardware requirements

To perform this procedure you need an operating 6500 series workstation or 6085 Workstation running VP 3.0 software.

Software requirements

The following software must be loaded and running on your workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0*.

Procedure

1. Select a book or folder icon.
2. Press < Open >, or select [Upgrade] in the desktop auxiliary menu.

Note: This procedure upgrades the book or folder icon. It does not upgrade the contents of the book or folder.

Upgrading record files

The procedures in this section enable you to upgrade record files created with the *VP List Manager 2.0* application.

You can upgrade record files created with the *VP List Manager* application on a 6085 Workstation running VP 2.0 software or a 6085 Workstation running VP 3.0.

You cannot upgrade record files on a 6500 series workstation running VP 3.0. You can, however, upgrade the record files using the procedures in this section and then transfer the record files to a 6500 series workstation for later use.

Refer to the "Working with record files" chapter in the *Information Management User Guide* for complete information.

Upgrading record files on a VP 3.0 workstation

Follow the procedure in this section to upgrade record files on a 6085 Workstation running VP 3.0 software.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0*
- *VP List Manager 3.0*
- *VP List Manager Upgrade Tool 3.0.*

Procedure

1. Select a record file icon.
2. Press <Open>.

Note: This procedure automatically upgrades the record file and the documents in the Forms Folder at the same time.

Upgrading record files on a VP 2.0 workstation

Follow the procedure in this section to upgrade record files on a 6085 Workstation running VP 2.0 software.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *Xerox ViewPoint*
- *VP NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 2.0*
- *VP List Manager Manager Forward Converter (VP 2.0 to VP 3.0).*

Procedure

1. Select a record file icon.
2. Select [RecordFile Upgrade] in the desktop auxiliary menu.

Note: When you transfer the record file to the VP 3.0 workstation, open the documents in the Forms Folder to upgrade them. You must do this to use the documents as display forms for your view.

Upgrading shared books

You can upgrade shared books created with the *Shared Books 2.0* application to VP 3.0 by using the *VP Shared Books 3.0* and *VP Shared Books Upgrader (VP 2.0 to VP 3.0)* applications on your workstation.

Refer to the "Working with shared books" chapter in the *VP Shared Books User Guide* for complete information.

5.   Exchanging VP 3.0 objects

You can exchange color VP 3.0 objects, such as documents, books, and folders, with any user of 6500 series workstations or 6085 Workstations running VP 3.0 applications.

The *VP Document Editor 3.0* application automatically converts objects created on VP 3.0 workstations for use on any of the following workstations:

- A color 6500 series workstation running VP 3.0 color software

- A monochrome 6500 series workstation running VP 3.0 software

- A monochrome 6085 Workstation running VP 3.0 software.

This chapter describes the changes that occur to VP 3.0 objects when they are exchanged among users of monochrome and color workstations.

Who should read this chapter

Read this chapter if you are a user of a VP 3.0 workstation and plan to exchange objects with users of color or monochrome workstations running VP 3.0 software.

Exchanging objects

Follow the procedure in this section to convert VP 3.0 objects for use on either monochrome or color Xerox workstations.

Hardware requirements

To perform these procedures you need an operating 6500 series workstation or 6085 Workstation.

Software requirements

The following applications must be loaded and running on your workstation:

- *XWS*
- *XWS NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 3.0.*

Additional applications may be required depending on the objects you use on your GLOBALVIEW desktop. Refer to the "Introduction" chapter in the appropriate user guide in this library for a complete list of software requirements.

Procedure

1. Retrieve the object you want to use and place it on your GLOBALVIEW desktop.

2. Select the object.

3. Press <Open>, or select [Upgrade] in the desktop auxiliary menu.

   Note: If the object is located inside a container, such as a book, folder, or file drawer, you must select and open both the container and the object.

Effects of transferring objects to color workstations

Several changes occur to objects created on monochrome workstations when they are transferred to color workstations. These changes are described in this section.

Icons

When you display a monochrome icon on a color workstation, the name, background, and outline color are black and white. You can change the color properties of an icon on a VP 3.0 workstation by using the icon property sheet.

For more information about icons, refer to the *General User Guide* in this library.

Text

When you open a monochrome document on a color workstation, the text is black and white. You can apply color to text on a VP 3.0 workstation by using the Character Property Sheet.

For more information about text, refer to the *Document Editor: Basics User Guide* in this library.

Frames

When you open a monochrome document on a color workstation, the frames are black and white. You can apply color to text, table, graphics, bitmap, image, footnote, equation, and CUSP button frames via the appropriate property sheet on a VP 3.0 workstation.

For more information about frames, refer to the following user guides in this library:

• *Document Editor: Basics User Guide*

• *Document Editor: Tables, Fields, Mail Merge User Guide*

• *Graphics User Guide*

• *VP CUSP Buttons User Guide.*

Basic graphics objects

When you open a monochrome document on a color workstation, the graphics objects are black and white. You can change the color of points, lines, and geometric shapes (such as rectangles, triangles, and circles) by using the appropriate property sheet on a VP 3.0 workstation.

For more information about basic graphics objects, refer to the *Graphics User Guide* in this library.

Data-driven graphics charts

When you open a monochrome document on a color workstation, the data-driven graphics objects are black and white. You can apply color to the textures and shading of the charts via the appropriate property sheet on a VP 3.0 workstation.

For more information about data-driven graphics, refer to the *Graphics User Guide* in this library.

Printing monochrome documents

You can print monochrome documents from a color workstation. For information about printing documents, refer to the *Workstation Administration and System Resources User Guide* in this library.

Effects of transferring objects to monochrome workstations

This section describes the changes that occur to objects created on color 6500 series workstations when they are transferred to monochrome 6500 series workstations or 6085 Workstations.

Icons

The color properties of icons do not display on a monochrome workstation and cannot be modified.

When you transfer the icon back to a color workstation, the icon's colors display as originally selected.

Text

The color properties of text are retained on a monochrome workstation, but do not display. You can modify the color of text via the Character Property Sheet.

When you transfer the document back to a color workstation, the colors display as originally selected.

You can create a document with color properties on a monochrome workstation. Of course, you will not be able to see the colors until you print it on a color printer or view it on a color monitor.

Frames

The color properties of frames are retained on a monochrome workstation, but do not display. You can modify the color of text, table, graphics, bitmap, image, footnote, equation, and CUSP button frames via the color properties on the appropriate property sheet.

When you transfer the frames to a color workstation, the colors display as originally selected.

Basic graphics objects

The color properties of points, lines, and geometric shapes (such as rectangles, triangles, and circles) are retained on a monochrome workstation, but do not display. You can modify the color of these objects via the color properties on the appropriate property sheet.

When you transfer the graphics objects to a color workstation, the colors display as originally selected.

Data-driven graphics charts

The color properties of bar charts, pie charts, and line charts are retained on a monochrome workstation, but do not display. You can modify the color of these objects via the color properties on the appropriate property sheet.

When you transfer the data-driven graphics charts to a color workstation, the colors display as originally selected.

Printing color documents

You can print color documents from a monochrome workstation. For information about printing documents, refer to the *Workstation Administration and System Resources User Guide* in this library.

6.   Downgrading objects to VP 2.0

You can easily downgrade documents, books, folders, and other objects created on Xerox VP 3.0 workstations and use them on a 6085 Workstation running ViewPoint 2.0 software applications.

You use the downgrader tools provided with your XWS and VP software package, to downgrade VP 3.0 objects to VP 2.0. The downgrader tools described in this chapter enable you to downgrade the following objects:

• Documents containing text, text frames, table frames, or basic graphics frames

• Documents containing bitmap frames

• Documents containing data-driven graphics charts

• Documents containing equation frames

• Documents containing footnotes

• Documents containing Xerox Pro Illustrator frames or Xerox Chemical Illustrator frames

• Books

• Folders.

This chapter provides information on how you can downgrade VP 3.0 objects and use them on workstations running VP 2.0 or 2.1 applications.

Who should read this chapter

Read this chapter if you are a user of a 6085 Professional Computer System running VP 2.0 software and plan to work with objects created on a Xerox Workstation running VP 3.0 applications.

About your workstation

The following terms are used in this chapter:

• A VP 2.0 workstation is a 6085 Workstation running *VP Document Editor 2.0* software.

• A VP 2.1 workstation is a 6085 Workstation running *VP Document Editor 2.1* software.

• A VP 3.0 workstation is a 6500 series workstation or a 6085 Workstation running *VP Document Editor 3.0* software.

Downgrading documents containing text, text frames, table frames, or basic graphics frames

Follow the procedures in this section to downgrade documents containing text, text frames, table frames, or basic graphics frames created with *VP Document Editor 3.0.*

The downgrader tools remove any color properties in the VP 3.0 document.

Hardware requirements

To perform these procedures you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *Xerox ViewPoint*
- *VP NetCom, RemoteCom,* or *Standalone*
- One of these software combinations:

    - *VP Document Editor 2.0* and *Document Downgrader (VP 3.0 to VP 2.0)*

    - *VP Document Editor 2.1* and *Document Downgrader (VP 3.0 to VP 2.1).*

If *VP Document Editor 2.0* is loaded and running in the Loader on your desktop, load and run *Document Downgrader (VP 3.0 to VP 2.0).*

If *VP Document Editor 2.1* is loaded and running in the Loader on your desktop, load and run *Document Downgrader (VP 3.0 to VP 2.1).*

Procedures

You can use any of the procedures described below to downgrade documents.

Downgrading documents with < Open >

1. Select a document icon.
2. Press < Open >.

Downgrading documents with the paginate commands

1. Select a document icon.
2. Select [Simple Paginate] or [Paginate] in the desktop auxiliary menu.

Downgrading documents before printing them

1. Select a document icon.
2. Press < Move > or < Copy >.
3. Select a printer icon.

Downgrading documents with the Upgrade command

1. Select a document icon.
2. Select [Upgrade] in the desktop auxiliary menu.

Downgrading documents containing bitmap frames

Follow the procedure in this section to downgrade documents containing bitmap frames created with *VP Freehand 3.0*.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *Xerox ViewPoint*
- *VP NetCom, RemoteCom,* or *Standalone*
- One of these software combinations:

  - *VP Document Editor 2.0* and *Document Downgrader (VP 3.0 to VP 2.0)*

  - *VP Document Editor 2.1* and *Document Downgrader (VP 3.0 to VP 2.1).*

- *VP Free-Hand Drawing 2.0.*

Procedure

1. Select a document icon.
2. Press < Open >, or select [Upgrade] in the desktop auxiliary menu.

Downgrading documents containing data-driven graphics charts

Follow the procedure in this section to downgrade documents containing data-driven graphics charts created with *VP Data-Driven Graphics 3.0*.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *Xerox ViewPoint*
- *VP NetCom, RemoteCom, or Standalone*
- One of these software combinations:

    - *VP Document Editor 2.0* and *Document Downgrader (VP 3.0 to VP 2.0)*

    - *VP Document Editor 2.1* and *Document Downgrader (VP 3.0 to VP 2.1)*

- *VP Data-Driven Graphics 2.0.*

Procedure

1. Select a document icon.
2. Press < Open >, or select [Upgrade] in the desktop auxiliary menu.

Downgrading documents containing equation frames

Follow the procedure in this section to downgrade documents containing equation frames created with *Xerox Equations 3.0*.

You cannot downgrade equation frames to VP Equations 2.0 format. The *Document Downgrader (VP 3.0 to VP 2.0)* replaces each equations frame with a text frame. The text frame contains a message that it was formerly an equation frame.

You cannot restore the contents of the downgraded equation frames, even if you later upgrade the document at a workstation running *Xerox Equations*.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *Xerox ViewPoint*
- *VP NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 2.1*
- *Document Downgrader (VP 3.0 to VP 2.1)*
- *Xerox Equations 2.1.*

Procedure

1. Select a document icon.
2. Press <Open>, or select [Upgrade] in the desktop auxiliary menu.

Downgrading documents containing footnotes

Follow the procedure in this section to downgrade documents containing footnotes created with *Footnotes 3.0.*

The downgrader tools can downgrade footnotes created with *Footnotes 3.0;* however, the downgraded footnote may not resemble the original footnote. For example, if the document contained split footnotes or footnotes with ruling lines, the downgraded footnote will be different in appearance.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *Xerox ViewPoint*
- *VP NetCom, RemoteCom,* or *Standalone*
- One of these software combinations:

    - *VP Document Editor 2.0* and *Document Downgrader (VP 3.0 to VP 2.0)*

    - *VP Document Editor 2.1* and *Document Downgrader (VP 3.0 to VP 2.1)*

- *Footnotes 2.0.*

Procedure

1. Select a document icon.
2. Press <Open>, or select [Upgrade] in the desktop auxiliary menu.

Downgrading documents containing Xerox Pro Illustrator frames or Xerox Chemical Illustrator frames

Follow the procedure in this section to downgrade documents containing frames created with *Xerox Pro Illustrator 3.0* or *Xerox Chemical Illustrator 3.0*.

Note: You cannot downgrade documents containing illustrator frames created with *Xerox Pro Illustrator 3.0* or *Xerox Chemical Illustrator 3.0* on a workstation running *Xerox Pro Illustrator 2.0*.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

To downgrade documents containing illustrator frames, you need the following applications loaded and running on your 6085 Workstation:

- *Xerox ViewPoint*
- *VP NetCom, RemoteCom, or Standalone*
- *VP Document Editor 2.1*
- *Document Downgrader (VP 3.0 to VP 2.1)*
- *Xerox Illustrator Downgrader (VP 3.0 to VP 2.0.15)*.

To view, edit, or print the illustrator frames, you also need the following applications loaded and running on a 6085 Workstation:

- *Xerox Chemical Illustrator 2.0.15*
- *Xerox Pro Illustrator 2.0.15*.

Procedure

1. Select a document icon.
2. Press <Open>, or select [Upgrade] in the desktop auxiliary menu.

Downgrading books

Follow the procedure in this section to downgrade books created with *VP Document Editor 2.0* or *VP Document Editor 2.1*.

You cannot downgrade shared books created with *VP Shared Books 3.0* to *Shared Books 2.0* format.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *Xerox ViewPoint*
- *VP NetCom, RemoteCom,* or *Standalone*
- *VP Document Editor 2.0*
- *Document Downgrader (VP 3.0 to VP 2.0)*
- *Book Downgrader (VP 3.0 to VP 2.0).*

Procedure

1. Select a book icon.
2. Select [Downgrade Book] in the desktop auxiliary menu.

If the VP 3.0 book icon contains folders that are organized in a hierarchical structure, the contents of the folders are moved to the top level of the book and the folders are deleted. VP 2.0 books cannot represent objects in a hierarchical structure.

If the VP 3.0 book icon contains objects, at different levels of the hierarchical structure, with the same name, the objects are moved to the top level of the book.

If the VP 3.0 book icon contains objects such as folders, record files, file drawers, or other books, the book icon is converted to a folder. VP 2.0 books cannot contain objects such as folders, record files, file drawers, or other books.

Note: This procedure downgrades the book icon. It does not downgrade the contents of the book.

Downgrading folders

Follow the procedure in this section to downgrade folders created with *VP Document Editor 2.0* or *VP Document Editor* 2.1.

Hardware requirements

To perform this procedure you need an operating 6085 Workstation.

Software requirements

The following software must be loaded and running on your workstation:

- *Xerox ViewPoint*

- *VP NetCom, RemoteCom,* or *Standalone*
- One of these software combinations:

  - *VP Document Editor 2.0* and *Document Downgrader (VP 3.0 to VP 2.0)*

  - *VP Document Editor 2.1* and *Document Downgrader (VP 3.0 to VP 2.1).*

If *VP Document Editor 2.0* is loaded and running in the Loader on your desktop, load and run *Document Downgrader (VP 3.0 to VP 2.0)*.

If *VP Document Editor 2.1* is loaded and running in the Loader on your desktop, load and run *Document Downgrader (VP 3.0 to VP 2.1)*.

Procedure

1. Select a folder icon.
2. Press < Open >, or select [Upgrade] in the desktop auxiliary menu.

Note: This procedure downgrades the folder icon. It does not downgrade the contents of the folder.

Downgrading DOCUTEAM objects

The information in this section is new and does not appear in the "Downgrading objects to VP 2.0" chapter.

Follow the procedure in this section to downgrade to VP 2.0.30 DOCUTEAM objects created with the VP 3.0 DOCUTEAM applications.

You use the DOCUTEAM downgrader tool along with the Document Downgrader and Illustrator downgrader tool to perform the downgrade. The Document Downgrader downgrades documents, the Illustrator Downgrader downgrades Illustrator frames, and the DOCUTEAM Downgrader downgrades DOCUTEAM-specific objects, such as data attachments and shared library books with data base.

Hardware requirements

To perform this procedure you need an operating 6085 or XGV-PC Workstation.

Software requirements

To downgrade DOCUTEAM objects, you need the following applications loaded and running on your workstation:

- *VP Document Editor 2.0.32*
- *Document Downgrader (VP 3.0 to VP 2.1)*
- *Xerox Illustrator Basics 2.0.30*
- *Xerox Pro Illustrator 2.0.15*
- *Xerox Illustrator Downgrader (VP 3.0 to VP 2.0.15).*
- *DOCUTEAM Modeling Basics 2.0.30*
- *DOCUTEAM Downgrader to VP2.0.30.*

Procedure

1. Select a DOCUTEAM object icon.
2. Press <Open>, or select [Upgrade] in the desktop auxiliary menu.

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Errata

This document contains a change and two additions to the *VP 3.0 Upgrade Summary*.

Xerox Illustrator applications

Xerox Illustrator software is available for VP 3.0; the applications have the same features and functionality as the VP 2.0.15 versions. For the information on page 3-28, substitute the following information:

- *Xerox Chemical Illustrator 3.0* is an upgrade from VP 2.0.15.
- *Xerox Illustrator Basics 3.0* is an upgrade from VP 2.0.
- *Xerox Pro Illustrator* is an upgrade from VP 2.0.15.

Upgrading DOCUTEAM objects

The information in this section is new and does not appear in the "Upgrading objects to VP 3.0" chapter.

Follow the procedure in this section to upgrade to VP 3.0 DOCUTEAM objects created with VP 2.0.30 DOCUTEAM applications.

You use the DOCUTEAM upgrader tool along with *VP Document Editor* and the Illustrator upgrader tool to perform the upgrade. The Document Editor automatically upgrades documents, the Illustrator Upgrader upgrades Illustrator frames, and the DOCUTEAM Upgrader upgrades DOCUTEAM-specific objects, such as data attachments and shared library books with data base.

Hardware requirements

To perform this procedure you need an operating 6085 or XGV-PC Workstation.

Software requirements

To upgrade DOCUTEAM objects, you need the following applications loaded and running on your workstation:

- *VP Document Editor 3.0*
- *Xerox Illustrator Basics 3.0*
- *Xerox Pro Illustrator 3.0*
- *Xerox Illustrator Upgrader to VP3.0*
- *DOCUTEAM Modeling Basics 3.0*
- *DOCUTEAM Upgrader to VP3.0.*

Procedure

1. Select a DOCUTEAM object icon.

2. Press <Open>, or select [Upgrade] in the desktop auxiliary menu.

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