

GLOBALVIEW for X Windows

What's new in versions 2.0 and 2.1

Xerox Corporation
Product Education and Documentation
3400 Hillview Avenue
P.O. Box 10034
Palo Alto, California 94303-0816

©1995 by Xerox Corporation. All rights reserved.

Published July, 1995. Publication number: 613P03551.

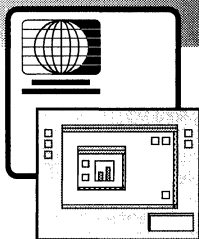
Copyright protection claimed includes all forms and matters of copyrightable material and information now allowed by statutory or judicial law or hereafter granted, including without limitation, material generated from the software programs which are displayed on the screen such as icons, screen displays, looks, etc.

Xerox®, GLOBALVIEW®, and all Xerox product names mentioned in this publication are trademarks of Xerox Corporation. Adobe Type Manager and PostScript are trademarks of Adobe Systems, Inc. CS Century Schoolbook, CS Letter Gothic, CS Omega, CS Palacio, CS Symbol, CS Times, are licensed to Xerox Corporation by Agfa Corporation. Macintosh® is a trademark of Apple Computer, Inc. AT&T® is a trademark of AT&T. MacPaint® and MacWrite® are trademarks of Claris Corporation. CS Triumvirate™ is a trademark of Compugraphic Corporation. DEC®, Digital®, VAX®, and VT100® are trademarks of Digital Equipment Corporation. FrameMaker® is a trademark of Frame Technology Corporation. DeskJet®, HP®, and LaserJet®, are trademarks of Hewlett-Packard Company. INGRES is a trademark of Ingres Corporation. Interleaf is a registered trademark of Interleaf, Inc. AIX, AIX windows, DCA, IBM®, RISC System/6000, and all IBM products mentioned in this publication are trademarks of International Business Machines Corporation. ITC Avant Garde Gothic®, ITC Baskerville®, ITC Bookman, ITC Garamond®, ITC Zapf Chancery®, and ITC Zapf Dingbats® are trademarks licensed to Xerox Corporation by International Typeface Corporation. Helvetica®, Helvetica 300™, Optima®, Optima 300™, Times®, Times 300™, and Univers® are trademarks of Linotype AG and/or its subsidiaries. Lotus®, 1-2-3®, and Ami Pro® are trademarks of Lotus Development Corporation. X Window System is a trademark of the Massachusetts Institute of Technology. Word for Word and Word for Word Professional are trademarks of Mastersoft, Inc. Excel®, Microsoft®, Microsoft Word®, MS-DOS®, and Windows are trademarks of Microsoft Corporation. Mass-11® is a trademark of Microsystems Engineering Corporation. Monotype Bodoni® is a trademark of the Monotype Corporation plc. OSF/Motif is a trademark of the Open Software Foundation. ORACLE is a trademark of Oracle Corporation. Rank® Xerox is a trademark of Rank Xerox Ltd. Siemens® is a trademark of Siemens AG. Superpaint is a trademark of Silicon Beach Software, Inc. DIF® is a trademark of Software Arts, Inc. OpenWindows, SPARCprinter, SPARCserver, SPARCstation, SPARCsystem, Sun, SunInstall, SunOS, SunView®, SunWindows®, and X11/NeWS® are trademarks of Sun Microsystems, Inc. Tektronix® is a trademark of Tektronix, Inc. Teletype® is a trademark of Teletype Corporation. UNIX and OPEN LOOK are registered trademarks of UNIX System Laboratories, Inc. Black's Law Dictionary® is a copyright of West Publishing Company. WordPerfect® is a trademark of WordPerfect Corporation. WordStar® is a trademark of WordStar International.

All other products mentioned are trademarks or registered trademarks of their respective manufacturers.

Not all the products mentioned in this publication may be available in your country. Please contact your local representative for details.

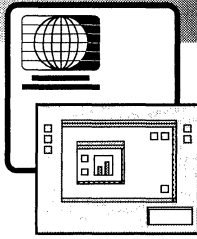
Changes are periodically made to this document. Changes, technical inaccuracies, and typographical errors will be corrected in subsequent editions.



Contents

1. GVX product overview	1-1
About this document	1-1
Table 1. GVX 2.0 and 2.1 additions and enhancements at a glance	1-2
GLOBALVIEW packages	1-4
GLOBALVIEW WorksPlus package	1-4
Sort Menu	1-4
Information for New and Upgrading Users	1-5
Multiple languages on the CD-ROM	1-5
Xerox Modern and Classic font install on NeWSprinter and SPARCprinter	1-5
Paper tray selection and switching	1-5
GV Write	1-5
Tabbed text import from Clipboard	1-6
Immediate frames prevent text backfill	1-6
Object Linker	1-7
Converters	1-8
Table 2. Mastersoft Word for Word filters	1-9
GV Draw	1-10
GV Paint	1-10
GV Chart	1-11
Programming with CUSP	1-11
GVX Online Help	1-12

GLOBALVIEW Analyst package	1-12
GV Calc	1-13
GV Data Capture	1-13
GV List	1-13
GV ViewCards	1-13
GLOBALVIEW Illustrator package	1-14
GV Pro Illustrator	1-14
GV Chemical Illustrator	1-14
GLOBALVIEW language packages	1-15
GV Arabic Text package	1-15
GV Hebrew Text package	1-15
GV Pacific Rim Languages package	1-15
GV Chinese text capability	1-15
GV Japanese text capability	1-16
GLOBALVIEW Database Access package	1-16
Application Developer's Toolkit	1-17
Open Document Interfaces Toolkit (ODI and XIF)	1-17
XSoft AccessPlus	1-18
Document Services Access for GLOBALVIEW	1-18
Enhanced installation design	1-19
Features removed	1-20
2. Using new features	2-1
Importing spreadsheet or tabbed text from the Clipboard	2-1
Installing Xerox fonts on NeWSprinter and SPARCprinter	2-2
Selecting paper trays and tray switching	2-4
Setting Immediate frames to prevent text backfill	2-5



GVX product overview

GLOBALVIEW for X Windows (GVX) is a suite of office productivity and document management applications that run in UNIX with Solaris 2.3 or 2.4, or SunOS 4.1.3 or 4.1.4. You can run GLOBALVIEW under the OPEN LOOK (OpenWindows) or Motif X window managers.

GLOBALVIEW is also available for Intel PC's running Windows 3.x, making it easy to share GLOBALVIEW documents in a mixed workstation environment.

GLOBALVIEW for X Windows operates in the following network environments and provides iconic access to filing, printing, and mailing for each network.

- TCP/IP network
- XSoft Shared Document Services network
- Both TCP/IP and XSoft Shared Document Services

Documents can be printed on Adobe PostScript, Hewlett-Packard PCL, and Xerox Interpress printers connected to your workstation or on the network.

About this document

This document is an overview of GLOBALVIEW for X Windows and covers version 2.0, which was released for Solaris only, and version 2.1, which runs on Solaris and SunOS.

Table 1 provides a summary of added or enhanced features for versions 2.0 and 2.1. Following the table is an overview of GLOBALVIEW packages and the applications they contain.

New ►►► The New marker calls your attention to features or applications that are new in GVX 2.0 or 2.1.

Improved ►►► The Improved marker calls attention to features that have been enhanced in GVX 2.0 or 2.1.

Table 1. **GVX 2.0 and 2.1 additions and enhancements at a glance**

	Change description	
Operating System	• Solaris 2.3 • Solaris 2.4 • Sun OS 4.1.3 and 4.1.4	New in 2.0 New in 2.1 New in 2.1
Installation and Configuration	• Express installation option for GVX WorksPlus applications set (the basics) • Context-sensitive help during installation • Custom installation option to select applications • Save template feature simplifies multiple installs • Templates can be used to upgrade users • On screen descriptions of various options • GLOBALVIEW CD-ROMs contain multiple languages (for example International English and U.S. English) allowing you to select a language during install	New New Improved New New in 2.1 Improved New in 2.1
Workspace	• Remote Document Open provides quick view (but not edit) of documents in file drawers • Object Linker launches UNIX applications such as WordPerfect and Frame from the GVX workspace, and loads and manages their files. The files appear as icons in GVX that can be mailed, filed, or put in a shared book • Scrollable menus simplify selection from long lists • Workspace Menu entries appear in alphabetical order when Sort Menu application is run • Local Printing and SDS network printing support tray selection and automatic tray switching • Xerox Modern and Classic printer font install for NeWSprinter 20 and SPARCprinter • Fonts and logos are no longer platform specific	New New New New in 2.1 New in 2.1 New in 2.1 New in 2.1
GV Write	• Immediate frames provide additional management of text and frame placement. • Table data can be imported from the clipboard	New Improved

Table 1. **GVX 2.0 and 2.1 additions and enhancements at a glance**

	Change description	
Converters	- User interface simplified - Automatic recognition of source type - New conversion filters for PC Paintbrush (PCX) and Tagged Image File Format (TIFF) color graphics - Improvements to existing conversion filters are listed in Table 2	Improved New New in 2.1 Improved
Database Access	- RDBMS access via an easy-to-use interface - Automate and customize with CUSP - Results easily integrated in GLOBALVIEW documents, tables, and charts	New New New
Pro Illustrator	- Now supports color - Freehand sketching added	New New
Chemical Illustrator	Now supports color	New
Printer support	NeWSprinter 20	New
CUSP	Button access to selected object's cover sheets	New
Online Documentation	- Select Help button in GLOBALVIEW workspace and press the F1 key to access Help - Quick Tour and Quick Start have been added - GV Paint and GV Chart online help now available internationally	New New New
XSoft Access Plus	Low-cost product offering that allows you to use the Shared Document Services network and GVX workspace environment while creating documents using your favorite editing package, for example WordPerfect	New

GLOBALVIEW packages

The main GLOBALVIEW for X Windows (GVX) foundation software is available in two packages:

- WorksPlus—Contains basic GVX workspace and editors.
- New ▶▶▶** • XSoft AccessPlus—This low-cost configuration provides access to the Document Services network, the convenience of the GVX workspace, and a view-only version of GLOBALVIEW editors.

Additional GLOBALVIEW solution packages are available:

- GVX Analyst
- New ▶▶▶** • GVX Illustrator
- GVX languages—GV Hebrew Text and GV Arabic Text
- New ▶▶▶** • GVX Pacific Rim Languages (requires Solaris 2.3 or 2.4)
- New ▶▶▶** • GVX Database Access
- Document Services Access for GVX
- Application Developer's Toolkit

GLOBALVIEW WorksPlus package

A number of improvements have been made in the baseline GLOBALVIEW software. Changes in applications included in GVX WorksPlus are detailed in the following sections.

- New ▶▶▶** Two major applications, GLOBALVIEW Paint and Chart, are now included in the WorksPlus package. GV Paint and GV Chart procedures are added to GVX Online Help; detailed information is in the *GLOBALVIEW Paint and Chart User Guide*.
- New in 2.1 ▶▶▶** **Sort Menu**—This application displays the Workspace Menu items in alphabetical order and is automatically installed with the basic GLOBALVIEW software. If you do not want alphabetical display, set the Sort Menu application to Idle in the Loader and restart GLOBALVIEW.

New ▶▶▶ Information for New and Upgrading Users—A folder by this name is added to the workspace of new users; for upgrading users it is placed in the Workstation divider of the Directory. The folder contains:

- GV Color Sampler for PostScript printers
- GVX Online Help button
- Registration Form
- User Profile Copy Source
- XSoft Training information

New in 2.1 ▶▶▶ Multiple languages on the CD-ROM—During installation you can select from language pairs on the CD-ROM; for example, you can choose International English or U.S. English. International English provides European page sizes, metric units, date formats, and European keyboards.

New in 2.1 ▶▶▶ Xerox Modern and Classic font install on NeWSprinter and SPARCprinter—The Sun SPARCprinter and NeWSprinter 20 do not accept Adobe Type 1 PostScript fonts. The GLOBALVIEW CD-ROM contains a script that installs Xerox fonts on these printers. For details, see “Installing Xerox fonts on NeWSprinter and SPARCprinter” in chapter 2 of this document.

New in 2.1 ▶▶▶ Paper tray selection and switching—When printing through Shared Document Services (SDS) or Local Printing, you can specify a paper tray or specify automatic switching from one paper tray to another when paper runs out. For details, see “Selecting paper trays and tray switching” in chapter 2.

GV Write

GV Write is a full-featured, multi-language text editor. Features include: multiple columns, mixed portrait and landscape pages, styles, redlining, table of contents and index generators, footnotes, and mail merge. Documents can contain graphics, charts, and complex illustrations.

Specialized tools available in GV Write include:

- Equations—provides mathematical symbols and structures to add equations to your documents.
- Forms Fields—uses fields to create forms. Fill-in rules can automatically enter information and perform calculations.

- Hyphenation—for words that extend beyond line-end. Hyphenation dictionaries support: Danish, Dutch, Finnish, French, German, Italian, Norwegian, Portuguese, Spanish, Swedish, U.K. English, and U.S. English.
- International Keyboards—provides alternate keyboards for Albanian, Azerbaijani, Brazilian, Bulgarian, Czech, Estonian, Hausa, Hungarian, Indonesian, Latvian, Lithuanian, Polish, Portuguese, Romanian, Russian, Serbo-Croatian, Slovak, Slovene, Turkish, U.S. Turkish, Ukrainian, Uzbek, and Vietnamese.
- Spelling Checker—verifies spelling using standard lexicons or dictionaries you create. Lexicons are available for: Danish, Dutch, French, German, Italian, Portuguese, Spanish, Swedish, U.S. English, and U.K. English.
- Tables—includes easy-to-use methods for creating tables with expanding rows and columns.
- Thesaurus—helps you select words that express the meaning you want to convey.

Improved ►►► Tabbed text import from the Clipboard—A new option, Copy from Clipboard to Table, has been added to the GLOBALVIEW Clipboard menu. Using this option, you can import data from spreadsheets created by applications such as Lotus 1-2-3 and Excel, or tabbed text from other UNIX applications. For details, see “Importing spreadsheet or tabbed text from the Clipboard” in chapter 2.

New ►►► Immediate frames prevent text backfill—When a frame is too large to fit on the page with its anchor, the frame moves to the next page when you paginate the document. Text that follows the anchor may backfill between the anchor and the frame. To prevent this backfill and ensure that the frame is immediately after the anchor, use the Immediate option. For details, see “Using Immediate Frames to prevent text backfill” in chapter 2.

Object Linker

New ►►► Object Linker is a new feature in GVX WorksPlus. It allows you to link your UNIX applications to data icons in your GLOBALVIEW workspace. The icon type tells GLOBALVIEW which UNIX application to start when you open the icon.

For example, you can have FrameMaker and Lotus 1-2-3™ files as icons in the GLOBALVIEW workspace. Opening the icon launches the appropriate software and loads the file.

Object Linker lets you manage files edited by UNIX applications in the same way you handle GLOBALVIEW icons. You can file, share using Shared Books, and mail these icons with Shared Document Services. This feature enables a new level of productivity with GLOBALVIEW.

To use Object Linker, you prepare the UNIX shell and modify the GLOBALVIEW user profile to include your file types and the UNIX command to start each UNIX application.

Object Linker is described in chapter 15, "Using Object Linker," in the *GLOBALVIEW for X Windows Workspace User Guide*.

Converters

GLOBALVIEW provides extensive filters that you can use to convert data files, documents, graphics, and spreadsheets to and from GLOBALVIEW format.

The Converter provides Mastersoft Word for Word (WFW) filters, as well as the following XSoft converters:

- File Conversion of CGM Documents—To convert files to and from GLOBALVIEW and CGM (Computer Graphics Metafile) document formats.
- File Conversion of Lotus 1-2-3™ Spreadsheets—To import and export spreadsheet data between GV Calc and Lotus 1-2-3.
- File Conversion of ODA Documents—To convert files to and from GLOBALVIEW and ODA (Office Document Architecture) document formats.
- File Conversion of Raster Graphics—To import and export the following raster graphic formats:
 - CALS
 - MacPaint
 - PCX
 - Sun
 - TIFF
 - Xerox IMG
- Illustrator from HPGL converter—To convert HPGL files into Illustrator frames in GLOBALVIEW documents.
- Pro Illustrator from IGES converter—To convert IGES files to Illustrator frames in GLOBALVIEW documents.

Improved ►►►

The user interface for the Converter has been enhanced and simplified to streamline the conversion process

New or improved ►►►

Mastersoft Word For Word filters—Several filters have been added or updated to include support for the latest software releases. Some new filters have replaced others which were old or little used. See Table 2 for a list of filters.

◆ **Note:** Mastersoft Word for Word vector graphics conversion capabilities are not supported in this release.◆

Table 2. **Mastersoft Word for Word conversion filters**

Filter	Version	New,Improved, Removed
Ami Professional	1.0, 1.1, 1.2, 2.0, and 3.0	Improved
ASCII: smart, standard, stripped & Cyrillic		Improved
DCA Revisable Form Text		Improved
DCA Revisable Form Text as used with DisplayWrite 5 and DisplayWrite (Native)		
Excel conversion	2.1 through 5.0	Improved
Excel conversion to Mac Excel	3.0 through 5.0	
Interleaf Publisher	1.1, 5.2	Improved
Lotus 1-2-3 conversion from 1A, 2.0 with tabs/PC, spaces/PC, or spaces/LICS character set; conversion from 2.0 with tabs/PC or columnar/LICS character set	from 1A, 2.0, 3.0	Improved
Lotus 1-2-3 conversion to 1A, 2.0 PC character set, and 2.0 LICS character set	to 1A, 2.0, 3.0	Improved
MacWrite		Removed
MacWrite II		Removed
MASS-11		Removed
Microsoft Rich Text Format (RTF)		Improved
Microsoft Word (6.0 is to GLOBALVIEW only)	3.0, 3.1, 4.0, 5.0, 5.5, and 6.0	Improved
Microsoft Word for Macintosh	3.0, 4.0 , and 5.0	Improved
Microsoft Word for Windows (6.0 is to GLOBALVIEW only)	1.x, 2.x, and 6.0	Improved

Table 2. **Mastersoft Word for Word conversion filters**

Filter	Version	New, Improved, Removed
MIF format (FrameMaker)		Improved
PC Paintbrush (PCX)		New in 2.1
Tagged Image File Format (TIFF)		New in 2.1
WordPerfect	4.1, 4.2, 5.0, 5.1, 5.2, and 6.0	Improved
WordPerfect for Macintosh		Removed
Wordstar	3.3, 3.31, 3.45, 4.0, 5.0, 5.5, 6.0, and 7.0	Improved
XIF		Improved

GV Draw

Use GV Draw to enhance your documents with vector graphics consisting of points, lines, curves, and geometric shapes, as well as annotations and call-outs for your image graphics.

GV Paint

GV Paint provides a color canvas to create color raster images, and a black and white canvas to create black and white bitmap images. You can easily integrate images you create into a GLOBALVIEW document.

GV Paint offers a variety of paint modes, brush sizes, textures, shadings, and shapes. You can transform canvases using scale, stretch, flip, rotate, and invert (for black and white images).

GV Chart

Use GV Chart to transform numerical data from tables into bar charts, pie charts, line charts, or scatter diagrams.

GV Chart offers a range of shadings, textures, and line styles to enhance your chart. You can incorporate any chart in a GLOBALVIEW document, or combine a chart with illustrations.

Programming with CUSP

The CUSP (Customer Programming) Buttons application provides an efficient way to automate a routine series of document tasks. Using CUSP Buttons, you write a CUSP program that includes all of the steps in the task. You place the button either in your workspace or in a document. You execute the program by selecting the button.

With CUSP Buttons you can access files on your system, manipulate documents and other objects in the GLOBALVIEW workspace, and interface with network resources.

New ►►► CUSP Buttons now provide the ability to access an object's cover sheet and enter mailing information. For details, see the *Cover Sheet Mail Agent User Guide* included in the Document Services Access documentation package.

CUSP Button related documentation available in the Application Developer's Toolkit is as follows:

- *Advanced Fill-in Rules and Data Capture User Guide*
- *Agents: CUSP Button User Guide*

GVX Online Help

Online Help is provided with the WorksPlus packages and covers WorksPlus features and applications, including GV Paint and GV Chart.

- New ►►►** Quick Start, an online guide to setting up and starting to use GLOBALVIEW is now included. The Quick Start contains the Quick Tour self-paced tutorial, so the hardcopy manual, *GLOBALVIEW for X Windows, A Quick Tour and Quick Reference*, is no longer provided. The content of the Quick Reference is also in GVX Online Help.
- New ►►►** A Help button now appears in the GLOBALVIEW workspace. Select the Help button and press the F1 key to open GVX Online Help. If this button is accidentally deleted, copy another one from the Information for New and Upgrading Users folder in the Workstation Divider of the Directory.
- Improved ►►►** Help content has been updated and more detail added, particularly in the areas of fonts and printing.

GLOBALVIEW Analyst package

The GLOBALVIEW Analyst package contains applications for organizing and managing information. Information organized by one tool can be reorganized by other tools and integrated into GLOBALVIEW documents.

GV Analyst includes the following documentation:

- *Data Management User Guide*
[Data Capture, Calc, List, Mail Merge, and Fill-in Rules]
- *Learning Data Management Features*
[List, Calc, and Mail Merge]
- *ViewCards User Guide* and *ViewCards Release Notes*

See the following sections for information about each tool.

- Removed ►►►** The GLOBALVIEW Analyst package no longer contains the Lotus 1-2-3 software application or link. If you use spreadsheets, see the new Clipboard feature in chapter 2. You can also launch Lotus 1-2-3 with the Object Linker, as explained in

chapter 15 of the *GLOBALVIEW for X Windows Workspace User Guide*. The GV Paint and GV Chart applications and user guide are now included in the GV WorksPlus package.

GV Calc

With GV Calc, you can organize data in a spreadsheet for performing calculations and manipulating data items. Formulas to manipulate data include: arithmetic functions, trigonometric functions, logical operators, and “what if” questions.

GV Data Capture

With GV Data Capture, you “capture” structured ASCII text from a host or non-Xerox document and format it into a table. With the data captured in a table, you can sort it, style it, analyze it, and generate charts from it.

GV List

Using GV List, you organize data in record files, giving you a personal database for accessing, sorting, and filtering information. You can then retrieve records for viewing, printing, and incorporating into other documents.

You can enter data directly into a record file or copy documents containing fields or tables to a record file icon. You can output data in new document formats with fields and tables.

GV ViewCards

With GV ViewCards, you can randomly file text and graphics and use links to connect the information as your ideas develop. The software is based on the concept of hypertext, or non-sequential writing, and provides an alternative to the traditional way of organizing, presenting, and viewing information.

Using cards, boxes, and browsers, you can store, organize, and access information.

GLOBALVIEW Illustrator package

The GLOBALVIEW Illustrator package includes two drawing applications for creating detailed vector graphics.

The following documentation is available:

- *Pro Illustrator Reference Manual*
- *Pro Illustrator Supplement*
- *Pro Illustrator Tutorial*
- *Chemical Illustrator Reference Manual*
- *Chemical Illustrator Tutorial*

New ►►► Pro Illustrator and Chemical Illustrator are now available for use with GVX. See the following sections for more information.

GV Pro Illustrator

Using the GV Pro Illustrator package, you can create a variety of graphic images. Predefined objects help you construct simple to complex designs. Measuring and layout tools give you precise control. You can transform objects using scale, stretch, rotate, flip, and shear commands.

The online Quick Art folder contains a variety of items such as symbols, rulers, shapes, borders, and decorative letters.

New ►►► Pro Illustrator now supports creation of color images, in addition to black and white. The new freehand sketch capability allows you to create original designs.

GV Chemical Illustrator

Using GV Chemical Illustrator, you can draw bonds, atoms, rings, and structures creating simple to complex chemical illustrations. Tools support drawing, labeling, annotating, and modifying chemical structures and reaction schemes.

You can scale, rotate, and flip individual objects. Chemical Illustrator also includes a symbol library of chemical objects.

New ►►► Chem Illustrator now supports creation of color.

GLOBALVIEW language packages

GLOBALVIEW provides optional applications for creating text in Arabic and Hebrew. Each application is completely integrated with the GV Write package. GV Arabic and GV Hebrew are available for use with SunOS 4.1.3 or 4.1.4 and Solaris 2.3 or 2.4.

New ▶▶▶ GV Chinese and GV Japanese text capabilities are available for use with Solaris 2.3 or 2.4 operating system only. See the following GV Pacific Rim Languages section for details.

GV Arabic text package

Using the GV Arabic Text Package, you can create documents in the Arabic, Persian, Urdu, and Pashto languages. The software provides correct visual rendering for letters, ligatures, and numerals, and supports mixed directional text entry and editing capabilities.

The manual, *Creating Text in Arabic*, tells you how to use this product.

GV Hebrew text package

Using the GV Hebrew Text Package, you can create documents in the Hebrew language. The software provides correct visual rendering for Hebrew letters and supports mixed directional text entry and editing capabilities.

The manual, *Creating Text in Hebrew*, tells you how to use this product.

GV Pacific Rim Languages package

New ▶▶▶ **GV Chinese text capability**—provides you with the tools to compose, edit, print, and store Chinese documents. The software supports Pinyin-Plus, Bopomofo, and telegraph code typing methods. You can format Chinese text in Classic (traditional) or Modern (simplified) font for printing.

Extensive system dictionaries provide nearly 10,000 single Chinese characters and over 130,000 compound words.

◆ **Note:** This application is available only for the Solaris 2.3 and 2.4 operating systems.◆

The manual, *Creating Text in Chinese*, tells you how to use this product.

New ▶▶▶ GV Japanese text capability—provides you with the tools to compose, edit, print, and store Japanese documents. The software supports Direct Kana and Romaji Kana typing methods. You can format Japanese text in Classic (Mincho) or Modern (Gothic) font for printing.

Extensive system dictionaries support all Japanese Industrial Standard (JIS) Level I and Level II Kanji.

◆ **Note:** This application is available only for the Solaris 2.3 and 2.4 operating systems.◆

The manual, *Creating Text in Japanese*, tells you how to use this product.

GLOBALVIEW Database Access package

New ▶▶▶ Database Access (DBA) is a new application that provides connection to Relational Database Access Management Systems (RDBMS). Currently, Oracle and Ingres are supported.

Database Access uses the GLOBALVIEW document as the interface for data query and retrieval operations. Database Access combines powerful data and document management capabilities by providing:

- Creation of ad hoc queries with minimal knowledge of Structured Query Language (SQL) commands
- Interactive and automated capabilities
- Integration of data into fully formatted GLOBALVIEW documents
- Creation of business solutions with GLOBALVIEW documents and CUSP (Customer Programming) buttons.

You use Database Access, along with your knowledge of SQL and GLOBALVIEW, to retrieve data, send data, create form documents, manage a Database Access session, and automate your work process.

This new package includes the *Database Access User Guide*.

For users of the now discontinued DocuTeam product, Database Access provides more powerful and competitive database access features for your applications.

Application Developer's Toolkits

The Application Developer's Toolkit provides the syntax for using fill-in rules to extract data from forms fields in documents and views in record files. Also included in the toolkit are online samples for fill-in rules and GV Data Capture, and the syntax for CUSP Buttons.

This option includes manuals for CUSP Buttons, data capture, and fill-in rules:

- *GLOBALVIEW Agents: CUSP Buttons User Guide*
- *GLOBALVIEW Advanced Fill-in Rules and Data Capture User Guide*

Open Document Interfaces Toolkit (ODI and XIF)

The Open Document Interfaces Toolkit contains manuals for Open Document Interfaces (ODI) and Xerox Interchange Format (XIF). The toolkit files are on the GVX CD-ROM.

New in 2.1 ▶▶▶ The XIF Toolkit software is now available for the Solaris 2.3 and 2.4 operating systems, as well as SunOS 4.1.3 and 4.1.4.

Changed ▶▶▶ The names of the ODI and XIF toolkit tar files have been updated to:

DocTK.tar.Z and DocTKSamples.tar.Z
XIFTK2.0.tar.Z and XIFSamples.tar.Z

Removed ▶▶▶ The ODI Toolkit's XNS header and library files are not available in GVX 2.0 or 2.1.

XSoft Access Plus

New ►►► The new XSoft AccessPlus package provides a low-cost, alternate base package for new users who want the advantages of the GLOBALVIEW workspace while continuing to use their own word processing or publishing editor software.

XSoft AccessPlus provides Document Services Access, and contains the GLOBALVIEW Workspace including Object Linker, Converter with Mastersoft Word for Word filters, and view-only versions of GVX editors (GV Write, GV Draw, GV Chart.)

With XSoft AccessPlus you can enjoy the benefit of the object-oriented GLOBALVIEW workspace and XSoft Shared Document Services network, without dependence on the GLOBALVIEW editor applications. For example, with Object Linker, you can use WordPerfect or Frame as your editor, and then use GLOBALVIEW Shared Books and e-mail to manage files generated by these and other editors. If you receive a GLOBALVIEW document, you can view it with the view-only GLOBALVIEW editor or convert it to your editor's format. You may choose to add the GLOBALVIEW editors as an extra-cost option.

Document Services Access for GLOBALVIEW

Document Services Access provides filing, mailing, and printing access on a Shared Document Services network. System Administrators can also use this software to perform network management tasks from their workstation.

Included with this software is GV Shared Books. Using GV Shared Books, you and your co-workers can collaborate on a single project. Project team members can assemble documents in a shared book so the documents can be controlled and processed together. Only users who have the appropriate access rights can update the documents in the shared book. GLOBALVIEW prevents two people from updating the same information simultaneously and tracks revisions.

This option includes the following user guides:

- *Network Access User Guide*
- *Shared Books User Guide*
- *Cover Sheet Mail Agent User Guide*

New ►►► Includes the Cover Sheet Mail Application for use with Shared Document Services.

Enhanced installation design

Improved ►►► The user interface for XIST (XSoft Installation and System administration Tool) is redesigned to simplify the installation process and provide more feedback. Key features of XIST are:

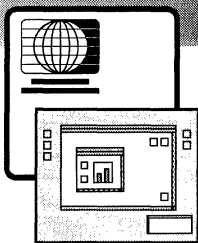
- A single selection option for quickly installing the base set of WorksPlus applications.
- Screens display helpful explanations of options. Context-sensitive help lets you click inside an XIST window and press HELP to get information about that window.
- XIST provides a Custom installation option for selecting applications unique to your workstation or work group.
- XIST includes a Save Template option to facilitate installing the same configuration on other workstations. The Load Template option allows you to replay the installation choices saved during a previous install.

Improved ►►► A new *Installation Guide* leads you through the install process and provides additional information about upgrading, system administration, and license server installation.

Features removed

Some features available in earlier releases of GLOBALVIEW have been replaced or superseded in GVX 2.0 and 2.1.

- Rooms for X Windows. XSoft has made this utility product available as shareware in North America. (Fee-based service and documentation are available.)
- DocuTeam. The Quick Queries functionality formerly offered by DocuTeam is now available in Database Access.
- Cartridge Tape Tool. Use UNIX backup/restore capability for your current files. Use the Window to UNIX File System icon to transfer files to a UNIX directory, as described in chapter 9 of the *GLOBALVIEW for X Windows Workspace User Guide*. For existing GLOBALVIEW cartridge tapes, see chapter 11 of the *Workspace User Guide*.
- Some conversion filters for Mastersoft Word for Word. New, removed, and improved filters are listed in Table 2.
- DocuTran. A translation product used in specialized environments, DocuTran is available only in XGV 3.2.
- Lotus 1-2-3. This special offer, available only in North America, is discontinued. Lotus 1-2-3 can be purchased directly from Lotus Development Corporation.
- GLOBALVIEW Link to Lotus. This functionality is now provided by Object Linker in combination with the Clipboard import of tables. See GV Write in chapter 1 and "Importing spreadsheet or tabbed text from the Clipboard" in chapter 2 of this document.
- The ODI Toolkit's XNS header and library files are no longer available.



Using new features

This chapter provides instructions for some features added to GLOBALVIEW for X Windows (GVX) in versions 2.0 and 2.1.

For additional new feature information, see:

- Chapter 15, "Using Object Linker" in the *GLOBALVIEW for X Windows Workspace User Guide*
- The updated *Text and Graphics Conversion User Guide*
- The updated *GLOBALVIEW for X Windows Workspace User Guide*
- The new *Database Access User Guide*

Importing spreadsheet or tabbed text from the Clipboard

A new option, Copy from Clipboard to Table, has been added to the GLOBALVIEW Clipboard menu. Using this option, you can import data from spreadsheets created by applications such as Lotus 1-2-3 and Excel, or tabbed text from other UNIX applications.

Use this feature in place of the removed Link to Lotus 1-2-3.

To import spreadsheet data or tabbed text:

1. Using the appropriate UNIX application, select data in a spreadsheet or select tabbed text.
2. Hold the Menu mouse button down on the Clipboard symbol in the GLOBALVIEW window header.

The Clipboard menu appears.

3. Select Copy to Clipboard and release the mouse button.

A message indicates Copying to clipboard . . . Done.

4. Select Copy from Clipboard to Table in the Clipboard menu.
5. Select either a location in a GLOBALVIEW document, or a location in the GLOBALVIEW workspace.

GLOBALVIEW creates a table with rows and columns containing the data or tabbed text. If you selected a location in the GLOBALVIEW workspace, the table is placed in a new document named Table from Spreadsheet.

Installing Xerox fonts on NeWSprinter and SPARCprinter

The Sun SPARCprinter and NeWSprinter 20 do not accept Adobe Type 1 PostScript fonts. The GLOBALVIEW CD-ROM contains a script and program that allow you to install Xerox Modern and Classic Type 1 printer fonts for these printers.

◆ **Note:** If you have a standard PostScript printer installed with the NeWSprint software, do not use this procedure. Install PostScript fonts in the normal manner for UNIX printers.◆

To install Modern or Classic for SPARCprinter or NeWSprinter:

1. Mount the GLOBALVIEW CD-ROM. Use a UNIX Command Tool window to access one of the following directories on the CD-ROM:
 - /Auxiliary/PrintingAuxiliaryFiles/Solaris
 - /Auxiliary/PrintingAuxiliaryFiles/SunOS
2. Copy the files named **InstallFonts** and **pfb2pfa** to a UNIX directory that is either a directory on your path when you log in as root or the directory from which you will give the installation command on the workstation on which the NeWSprint software is installed.

If desired, copy some or all of the Modern or Classic .pfb files from the PostScriptPrinterFonts directory on the GLOBALVIEW CD-ROM to a directory on your workstation. See the *Font Sampler* for an explanation of .pfb file content.

3. Log in as root or lroot on the workstation on which the NeWSprint software is installed. Check to be sure you have 3.4 Mb of space free for the fonts.
4. Create or locate a directory you can use for the converted fonts, for example /Xerox/psfonts. Make a note of the directory path so you can use it in step 5.
5. Enter the command:

InstallFonts *fontpath* /Xerox/psfonts

for *fontpath* substitute the path to the Xerox Modern or Classic .pfb font files in the PostScriptPrinterFonts directory on the CD-ROM or in a directory on your workstation; for /Xerox/psfonts substitute the directory name from step 4.

The InstallFonts script installs the fonts in the NeWSprint software, but does not verify file space. Check the console window for errors. If necessary, free up file space, then rerun the script.

6. Locate the NeWSprint spool directory named .param for each SPARCprinter and NeWSprinter that the NeWSprint software controls. If you do not recall the .param location:
 - On SunOS, look in the /etc/printcap file and find the :sd=/... entry for your printer
 - On Solaris, look in /etc/lp/printers/<printername>
7. Edit the .param file by adding the installed fonts' directory path (for example /Xerox/psfonts) to the FONTPATH line:

For example, if the line originally looks like this:

```
FONTPATH=$OPENWINHOME/lib/fonts; export FONTPATH
```

Edit the line to look like this:

```
FONTPATH=/Xerox/psfonts:$OPENWINHOME/lib/fonts; export FONTPATH
```

8. To reset the printer after editing the .param file:
 - a. Change to the directory containing the reset_server.ps file. The file is usually located in newsprint/np/util directory.

- b. Enter the command: **lp reset_server.ps**

The Xerox Modern and Classic printer fonts are now available for use by your SPARCprinter or NeWSprinter.

Selecting paper trays and tray switching

When printing through Shared Document Services (SDS) or Local Printing, you can specify a paper tray or specify automatic switching from one paper tray to another when paper runs out.

To specify a paper tray or enable paper tray switching:

1. Do one of the following:
 - Copy a document to a Local Printer or SDS network printer icon. The Printing Option sheet appears.
 - To preset print options, select the Local Printer or SDS network printer icon, and press PROPS.
2. Select Automatic for the Paper Feed option.
3. Select one of the following:

Default—prints from the first tray that matches your document's paper size. If you have an HP LaserJet or compatible printer and want to use automatic paper tray switching, turn it on at the printer console.

Any—provides automatic tray switching for the NeWSprinter 20 printer. Prints from the first tray that matches your document's paper size. If the tray runs out of paper, printing switches to another tray that matches your document's paper size.

Specified—prints from the tray number you specify. Enter one of the following tray numbers:

- 1** —to print from Tray 1, which is the main or top tray on most printers.
- 2** —to print from Tray 2, which is the bottom tray on some printers.
- 3** —(for NeWSprinter 20 only) to print from Tray 3, which is the high capacity tray.

4 —(for NeWSprinter 20 only) to print from Tray 4, which is the auxiliary tray.

If you have an HP LaserJet or compatible printer and want to use automatic paper tray switching, turn it on at the printer console. Automatic tray switching is not available for the NeWSprinter 20 printer when you specify a tray number.

4. Set other print options as desired, then select Start or Done.

◆ **Note:** Users of GVWin, VP on 6085, XGV-PC, or XGV on Sun can specify tray numbers or switching when sending documents to a print service released with GVX 2.1 (or later). In the Printing Option Sheet, select the Message box and enter one of the following:

Tray=#

(substitute a tray number for the # sign, for example Tray=1)

Tray=Any

(to use automatic tray switching on a NeWSprinter 20). ◆

See the *GLOBALVIEW for X Windows Workspace User Guide* for other information about Local Printing. See the *GLOBALVIEW Network Access User Guide* for other information about printing on a Document Services network.

Setting Immediate Frames to prevent text backfill

When a frame is too large to fit on the page with its anchor, the frame moves to the next page when you paginate the document. Text that follows the anchor may backfill between the anchor and the frame. To prevent this backfill and ensure that the frame is immediately after the anchor, use the Immediate option.

To prevent text from filling in between a frame and anchor:

1. Select the frame border and press PROPS.

The Frame property sheet appears.

2. Select Immediate for the vertical Alignment property.

3. Select Done.
4. Paginate the document.

If the frame fits on the page containing the frame's anchor, the frame falls immediately after the anchor. If the frame does not fit on the page with its anchor, the frame moves to the next page. Any space between the frame anchor and the bottom of the page is left blank.