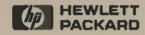
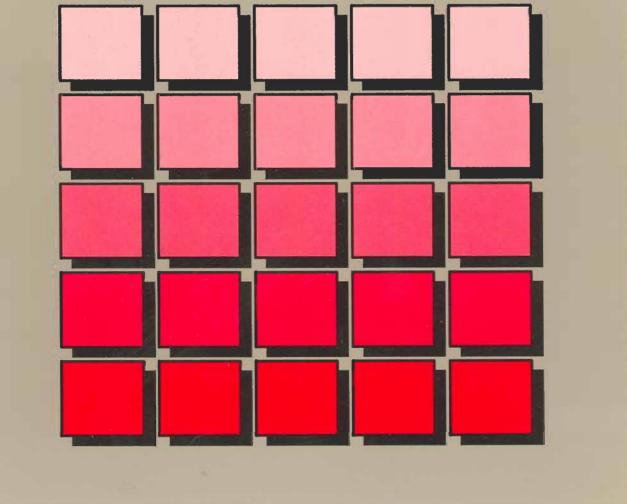
HP 9000 Series 300 Computers



Finding HP-UX Information



Finding HP-UX Information

HP 9000 Series 300 Computers





HP Part No. 98594-90081 Printed in USA September, 1989

> Edition 1 E0989

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Printing History

The manual printing date and part number indicate its current edition. The printing date will change when a new edition is printed. Minor changes may be made at reprint without changing the printing date. The manual part number will change when extensive changes are made.

Manual updates may be issued between editions to correct errors or document product changes. To ensure that you receive the updated or new editions, you should subscribe to the appropriate product support service. See your HP sales representative for details.

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How to Use This Guide

The Purpose of This Guide

Finding HP-UX Information is designed to help you locate information to help you work with the HP-UX operating system. Your HP-UX system includes many manuals, and it can be difficult to decide which manual to use to accomplish a particular task.

The Structure of This Guide

There are three parts to this guide:

Table of Contents	This lists the complete contents of the guide. Since the manual citations are the largest part of the guide, this is a good place to search for information about manuals whose names you already know.
Introduction	This is Chapter 1, the section you are reading now.
Manual Citations	These are pages that describe the manuals in detail. You can locate the page of the citation you wish to read either in the Table of Contents or in the Index.
Index	The entries point to tasks listed in the manual citations.

Finding Information about Tasks

HP-UX tasks are listed in the index. To find information about the task you wish to accomplish, look up the task in the index. The task-entry in the index points to a page in the manual-citation section. On that page you will find the name of the manual that will help you to accomplish the task, as well as further information about the manual.

How to Use This Guide 1-1



HP-UX Manual Citations

About This Section

On the following pages you will find citations of all of the manuals that pertain to the HP-UX operating system and its associated software products. There is one manual citation on each page. The citations are divided into groups which correspond to areas of interest for HP-UX users.

Each citation consists of the following information:

- The **title** of the manual.
- A brief summary of the manual's purpose and contents.
- The manual's **part number**. This is the number of the manual *text*, not the binder or kit number. It is the part number which appears on the manual's title page and in the lower left corner on the back cover.
- The spine title. This most or all of the wording that appears on the spine of the binding that contains the manual. Note that some binder kits are intended to include several manuals.
- The systems to which this manual pertains.
- The audience for whom the manual is intended.
- The tasks which can be accomplished with the aid of the manual.

How to Get Information About Manuals and Tasks

Here are some tips to help you to use Finding HP-UX Information.

Locating Tasks

To locate the maual that can help you complete a task:

- 1. Turn to the index.
- 2. Locate the task you wish to accomplish.
- 3. Turn to the citation page indicated by the index entry.

Browsing

- To browse a group of manuals:
- 1. Turn to the table of contents.
- 2. Locate the manual group that interests you.

Reading Information about a Particular Manual

To read a citation about a manual whose title you already know:

- 1. Turn to the table of contents.
- 2. Search within the groups for the manual.

2-2 HP-UX Manual Citations

Installing and Administering HP-UX

Troubleshooting HP-UX Systems Error Diagnosis and Recovery

The purpose of this manual is to provide HP-UX users and system administrators direction in solving problems within key areas of HP-UX. For those inexperienced in troubleshooting, an introductory chapter discusses general troubleshooting techniques.

Part number:	92453-90026
Spine title:	Troubleshooting HP-UX Systems Error Diagnosis and Recovery
Systems:	300/800
Audience:	Users (primarily System Administrators) who need help diagnosing the source of an HP-UX related problem
Tasks:	Consult this document to perform these tasks:
	 Locating/eliminating the causes of problems in the following areas:
	Line Printer Spooling System Problems
	UUCP Problems
	Diskless Cluster Problems
	System Boot-up Problems
	File System Problems
	Disk Space Problems
	\Box Problems with Terminals
	□ System Panics

2-4 HP-UX Manual Citations

HP-UX System Security

The HP-UX System Security manual is a supplimentary reference book of procedures and guidelines essential to administering the HP-UX series 300 or 800 computer as a secure system. The manual provides detailed information on implementing HP's full range of security features, such as auditing, and refined control mechanisms for file access.

Part number:	92453-90029
Spine title:	HP-UX System Security
Systems:	300/800
Audience:	System administrators
Tasks:	Consult this document to perform these tasks:
	 Limiting setuid program risks on a secure system
	 Looking for setuid and setgid programs
	• Programming guidelines for writing setuid programs

- Converting to a Secure (Trusted) System
- Streamlining audit log entries
- Turning auditing on/off
- Set the audit file monitor daemon
- Set the audit log file parameters
- Selecting users to be audited
- Selecting events to be audited
- Selecting system calls to be audited
- Viewing the audit log records
- Backup and recovery on a secure system
- Shutting down a system securely
- Mounting and unmounting a file system securely
- Adding and deleting user accounts securely

- Adding and deleting group assets
- Controlling file access selectively
- Controlling administrative domains on a secure system

2-6 HP-UX Manual Citations

Installing Peripherals HP 9000 Series 300

This manual describes how to add many common peripherals to HP 9000 Series 300 computer systems.

Part number:	97005-90002
Spine title:	HP 9000 Series 300 Installing Peripherals
Systems:	300
Audience:	System installers
Tasks:	Consult this document to perform these tasks:
	 Install peripherals

Install interface cards

Application Execution Environment User's Manual

AXE, the Application Execution Environment, is a small, run-only HP-UX operating system for the Series 300. AXE includes all parts of HP-UX necessary to execute commands, to create and manage files, and to run programs. This manual provides information on using the various elements of AXE.

Part number:	98515-90004
Spine title:	Application Execution Environment User's Manual
Systems:	300
Audience:	AXE users
Tasks:	Consult this document to perform these tasks:
	 Use PAM (the Personal Applications Manager)
	■ Manage files
	■ Use the vi text editor
	■ Use HP Windows/9000
	 Start up and shut down the system
	• Create and maintain the AXE file system
	 Add peripheral devices
	■ Create an AXE kernel
	■ Add users
	■ Update AXE
	 Understand error messages
	 Look up partitions and filesets
	 Look up the syntax of system commands
	 Install applications on AXE

2-8 HP-UX Manual Citations

HP 9000 Series 300 HP-UX Installation Manual

This manual is used to install the HP-UX operating system on HP 9000 Series 300 computers.

Part number:	98594-90013
Spine title:	HP 9000 Series 300 HP-UX Installation Manual
Systems:	300
Audience:	System administrators
Tasks:	Consult this document to perform these tasks:
	 Install the HP-UX operating system
	 Install the Application Execution Environment

■ Install the Programming Environment

HP-UX System Administration Tasks HP 9000 Series 300 Computers

This manual explains how to perform system administration tasks.

Part number:	98594-90061
Spine title:	HP-UX System Administration Tasks Manual HP 9000 Series 300 Computers
Systems:	300
Audience:	System administrators
Tasks:	Consult this document to perform these tasks:
	 Construct and customize an HP-UX system
	■ Update HP-UX
	 Start and stop an HP-UX system
	 Managing run levels
	 Manage groups, users, file systems, and clusters

Set up and administer backups and the LP spooler

2-10 HP-UX Manual Citations

HP 9000 Series 300 and 800 HP-UX System Administration Concepts Manual

This manual explains HP-UX system concepts useful to programmers, users, and system administrators.

Part number:	98594-90062
Spine title:	HP 9000 Series 300 and 800 HP-UX System Administration Concepts Manual
Systems:	300/800
Audience:	System administrators, application developers, general users.
Tasks:	Covers these major concept areas:
	System startup (for <i>administrators</i>)
	System shutdown (for <i>administrators</i>)
	■ Login (for users, programmers, and administrators)
	 Processes (for programmers, users, and administrators)
	 Runlevels (for administrators)
	• Memory management (for <i>programmers</i> and <i>administrators</i>)
	• File system (for for programmers, users, and administrators)
	 Device files (for programmers and administrators)
	 Using HP-UX peripherals (for programmers, users, and administrators)
	 Networking (for users, programmers, and administrators)
	• HP-UX clusters (for programmers and administrators)
	 System accounting (for programmers, users, and administrators)
	■ Glossary (for programmers, users, and administrators)

Using HP-UX

2-12 HP-UX Manual Citations

HP-UX Reference

This manual describes commands, system calls, subroutine libraries, file formats, device files, and miscellaneous features of the HP-UX operating system.

Part number:	09000-90013
Spine title:	HP-UX Reference (two volumes)
Systems:	300/800
Audience:	Experienced HP-UX users and programmers
Tasks:	This is not a task-oriented manual. It is intended for use by users who know what they want to do and what command or feature to use in doing it. It is a reference manual that provides basic syntax and describes in detail how each feature behaves or how it can be used.
	HP-UX Reference contains approximately 1900 pages in two volumes and includes a table of contents and an index.

HP-UX Concepts and Tutorials: Text Editors and Processors

This manual describes the text editors and processors that are a basic part of HP-UX. These editors include ed, ex, vi, sed, and awk.

Part number:	97089-90022
Spine title:	HP-UX Concepts and Tutorials: Text Editors and Processors
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	■ Learn to use the vi full-screen text editor
	■ Learn to use the edit, ex, ed line-oriented text editors:
	■ Learn to use the sed , non-interactive stream editor
	Learn to use the awk text interpreter/processor

2-14 HP-UX Manual Citations

HP-UX Concepts and Tutorials: Text Formatters

This manual describes the nroff text formatter and the formatting macro packages, mm and tbl.

Part number:	97089-90032
Spine title:	HP-UX Concepts and Tutorials: Text Formatters
Systems:	300/800
Audience:	General users who want to use the text-formatting capabilities of HP-UX
Tasks:	Consult this document to perform these tasks:
	 Use the nroff typesetting language
	 Use the mm memorandum macros for nroff

Use tbl table processor for nroff

HP-UX Concepts and Tutorials: UUCP

This manual describes how to use "HoneyDanBer uucp", an HP-UX facility that transfers files among Series 300 and 800 HP-UX and UNIX systems linked by RS-232-C modem or direct connections.

Part number:	97089-90053
Spine title:	HP-UX Concepts and Tutorials: UUCP
Systems:	300/800
Audience:	Programmers, system administrators, and general users
Tasks:	Consult this document to perform these tasks:
	■ Use UUCP
	■ Set up UUCP

Program using UUCP routines

2-16 HP-UX Manual Citations

HP-UX Concepts and Tutorials: Shells and Miscellaneous Tools

This manual covers these topics: Bourne Shell Programming, C Shell Programming, Korn Shell Programming, BC (Desk Calculator), DC (Desk Calculator), Mailx, and Vt (Virtual Terminal). Each section may have its own table of contents, appendices, or indices.

Part number:	97089-90062
Spine title:	HP-UX Concepts and Tutorials: Shells and Miscellaneous Tools
Systems:	300/800
Audience:	Beginning HP-UX programmers and general users
Tasks:	Consult this document to perform these tasks:
	 Use the UNIX shells: Bourne Shell (sh), Korn Shell (ksh) and C Shell (csh)

- Use the interactive calculators: bc and dc
- Use electronic mail: mailx
- Use the virtual terminal (vt) capability for communicating between Series 300 and Series 500 computers.

A Beginner's Guide to HP-UX

This book introduces the fundamental concepts of HP-UX. It is designed to teach these concepts through descriptions and examples.

Part number:	98594-90006
Spine title:	A Beginner's Guide to HP-UX
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	■ Log in and out of HP-UX
	 Manage files and directories
	Learn basic HP-UX commands
	 Send and receive mail
	 Maintain HP-UX security

2-18 HP-UX Manual Citations

A Beginner's Guide to Using Shells

This guide introduces the role of the shell in an HP-UX system. Concepts common to all shells (Bourne, Korn, C, and the restricted shells) are discussed, and features unique to each shell are briefly introduced.

Part number:	98594-90008
Spine title:	A Beginner's Guide to Using Shells
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	• Learn the differences among the Bourne, Korn and C Shells
	■ Choose a shell
	 Change from one shell to another, temporarily or permanently
	 Use the line-editing features of the Korn Shell
	 Recalling, modifying, and re-executing commands using the command history
	 Use the pathname-completion features of the Korn and C Shells
	 Understand login scripts
	 Modify shell login scripts

A Beginner's Guide to Text Editing

This guide provides information on the **vi** editor. Basic commands for entering, modifying, and saving text are presented along with some more advanced topics, such as moving and copying text, and searching for and replacing text patterns.

Part number:	98594-90010
Spine title:	A Beginner's Guide to Text Editing
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	 Get basic information about HP-UX text editors
	 Learn beginning and intermediate vi (pronounced "vee-eye") editing commands
	- Cat un mour at annia much

■ Set up your vi environment

2-20 HP-UX Manual Citations

Finding HP-UX Information HP 9000 Series 300

This is a catalog of all the manuals and learning products that are provided with software that runs under HP-UX on HP 9000 Series 300 computers. It includes a brief description of each document, its part number, the title on its spine, the audience for whom the document is intended, and a list of tasks that may be accomplished with the document.

Part number:	98594-90081
Spine title:	Finding HP-UX Information HP 9000 Series 300
Systems:	300
Audience:	System administrators
Tasks:	Consult this document to perform these tasks:
	 Locate the manual or learning product needed to accomplish particular tasks in HP-UX

Quick Reference Card for vi Editor

This manual provides a ready command reference to help you edit with the vi full-screen text editor.

Part number:	98597-90000
Spine title:	(no visible spine)
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	• Cursor placement in a text file
	 Changing and inserting text into a file
	 Global Search and replace
	 Saving text and exiting a file

Setting options to determine editor functions

2-22 HP-UX Manual Citations

Introducing UNIX System V

by Rachel Morgan and Henry McGilton

This book is designed to introduce the inexperienced user to the System V release of the UNIX operating system and its documentation. More experienced users can learn how to use some of the more sophisticated programs provided on System V.

Part number:	98597-90620
Spine title:	Introducing UNIX System V
Systems:	300
Audience:	General users, system administrators, and programmers
Tasks:	Consult this document to perform these tasks:
	■ Learn about UNIX

- Practice with UNIX tutorials
- Learn about text editing and formatting
- Learn the most commonly used UNIX commands
- Consult a quick reference on UNIX

Database Management

2-24 HP-UX Manual Citations

ALLBASE/SQL Reference Manual

This manual presents the syntax and semantics of SQL. SQL is the language used to define, access, and maintain data in an HP SQL database. The reader should be familiar with basic relational database and programming concepts.

Part number:	36217-90001
Spine title:	ALLBASE/SQL Reference Manual
Systems:	300/800
Audience:	Application programmers, database administrators, and advanced users
Tasks:	Consult this document to perform these tasks:
	Use ALLBASE/SQL
	Use names and data types

- Use expressions and search conditions
- Use SQL commands



ALLBASE/ISQL Reference Manual

This manual describes ISQL and how to use it. ISQL is a facility for executing SQL commands interactively. You can also invoke SQLUtil from ISQL. SQL is a facility for maintaining HP SQL DBEnvironments. The reader should be familiar with basic relational database concepts and have an introductory understanding of HP SQL.

Part number:	36217-90004
Spine title:	ALLBASE/ISQL Reference Manual
Systems:	300/800
Audience:	Database administrators, application programmers, and database users
Tasks:	Consult this document to perform these tasks:
	• Learn about the Interactive Structured Query Language
	■ Use ISQL commands

.

• Check ISQL and SQL syntax

2-26 HP-UX Manual Citations

ALLBASE/SQL Database Administration Guide

This manual describes how to design, create, and maintain an HP SQL database. The reader should be familiar with relational database concepts and have a working knowledge of HP SQL.

Part number:	36217-90005
Spine title:	ALLBASE/SQL Database Administration Guide
Systems:	300/800
Audience:	Database administrators
Tasks:	Consult this document to perform these tasks:
	• Create the logical design for a database
	 Create the physical design for a database
	• Configure the DBEnvironment and arrange for its security
	Create specific database objects

- Control performance
- Backup a database and recover it in the event of data loss
- Maintain a database
- Use the system catalogue

ALLBASE/SQL Message Manual

This manual explains the causes of warning and error conditions which may occur during use of SQL, ISQL, or the preprocessors. It also presents actions to be taken in response to these warning and error conditions.

Part number:	36217-90009
Spine title:	ALLBASE/SQL Message Manual
Systems:	300/800
Audience:	Application programmers, database administrators and database users
Tasks:	Consult this document to perform these tasks:
	 Understand HP SQL warnings and error messages

2-28 HP-UX Manual Citations

ALLBASE/SQL FORTRAN Application Programming Guide

This manual describes how to write a FORTRAN program that accesses an HP DBEnvironment. It presumes the reader already has a working knowledge of FORTRAN and is familiar with the information in the SQL Reference Manual and with the HP-UX operating system.

Part number:	36217-90013
Spine title:	ALLBASE/SQL FORTRAN Application Programming Guide
Systems:	300/800
Audience:	FORTRAN application programmers
Tasks:	Consult this document to perform these tasks:
	■ Use the preprocessor
	Embed SQL Commands
	■ Use host variables

- Perform run time status checking
- Perform data manipulation
- Perform sequential and BULK table processing
- Perform dynamic operations
- Perform time transactions

ALLBASE/SQL C Application Programming Guide

This manual describes how to write a C program that accesses an HP SQL DBEnvironment. It presumes the reader already has a working knowledge of C and is familiar with the information in the SQL Reference Manual and with the HP-UX operating system.

Part number:	36217-90014
Spine title:	ALLBASE/SQL C Application Programming Guide
Systems:	300/800
Audience:	C programmers
Tasks:	Consult this document to perform these tasks:
	• Use the HP SQL C Preprocessor
	 Embed SQL Commands
	 Use host variables
	 Perform run time status checking
	 Perform data manipulation
	 Perform sequential and BULK table processing

- Perform dynamic operations
- Perform time transactions

2-30 HP-UX Manual Citations

ALLBASE/NET User's Guide

This user's guide describes how to install and use ALLBASE/NET.Part number:36217-90093Spine title:ALLBASE/NET User's GuideSystems:300/800Audience:System administrators and database usersTasks:Consult this document to perform these tasks:Bet up an alias DBEnvironment

ALLBASE/SQL Pascal Application Programming Guide

This manual describes how to write a Pascal program that accesses an HP SQL DBEnvironment. It presumes the reader already has a working knowledge of Pascal and is familiar with the information in the *SQL Reference Manual* and with the HP-UX operating system.

Part number:	79725-90010
Spine title:	ALLBASE/SQL Pascal Application Programming Guide
Systems:	300
Audience:	Database programmers
Tasks:	Consult this document to perform these tasks:
	 Use the HP SQL Pascal Preprocessor
	 Embed SQL commands
	 Use host variables
	 Perform run time status checking

- Perform data manipulation
- Perform sequential and BULK table processing
- Perform dynamic operations

2-32 HP-UX Manual Citations

HP ALLBASE/4GL Developer Administration Manual

This manual is written for HP ALLBASE/4GL system administrators. It describes the centralized administration facilities of HP ALLBASE/4GL.

Part number:	92440-64001
Spine title:	HP ALLBASE/4GL Developer Administration Manual
Systems:	300/800
Audience:	Database developers and system administrators
Tasks:	Consult this document to perform these tasks:
	 Perform system administration for the developer environment
	 Define system specifications
	 Define system security

Disaster recovery

HP ALLBASE/4GL Developer Self-Paced Training Guide

This guide is a tutorial introduction to developing applications with HP ALLBASE/4GL. The guide assumes that you familiar with a conventional programming language.

Part number:	92440-64003
Spine title:	HP ALLBASE/4GL Developer Self-Paced Training Guide
Systems:	300/800
Audience:	Database developers
Tasks:	Consult this document to perform these tasks:
	 Use self-paced training tutorials for new HP ALLBASE/4GL

application developers

2-34 HP-UX Manual Citations

HP ALLBASE/4GL Developer Reference Manual

This two-volume manual is a reference for developers who are familiar with the basic terminology and concepts of HP ALLBASE/4GL.

Part number:	92440-64002 (volume one) 92440-64004 (volume two) 92440-64005 (both volumes)
Spine title:	HP ALLBASE/4GL Developer Reference Manual
Systems:	300/800
Audience:	Database developers
Tasks:	Consult this document to perform these tasks:
	 Consult a detailed reference manual for HP ALLBASE/4GL application developers

HP ALLBASE/4GL Installation Guide

This guide describes the procedure for installing HP ALLBASE/4GL Developer systems and HP ALLBASE/4GL Run-Time environments.

Part number:	92440-90014
Spine title:	HP ALLBASE/4GL Installation Guide
Systems:	300/800
Audience:	Database administrators and system administrators
Tasks:	Consult this document to perform these tasks:
	Install HP ALLBASE/4GL

2-36 HP-UX Manual Citations

HP ALLBASE/4GL Developer Quick Reference Guide

This guide is a quick reference for application developers who are familiar with HP ALLBASE/4GL.

Part number:	92440-90015
Spine title:	HP ALLBASE/4GL Developer Quick Reference Guide
Systems:	300/800
Audience:	Database developers
Tasks:	Consult this document to perform these tasks:
	 Consult a summary of logic commands
	■ Look up screen processing logic
	 Look up report processing logic
	■ Look up referencing rules
	Look up error codes

HP ALLBASE/4GL Run-Time Administration Manual

This manual is written for HP ALLBASE/4GL Run-Time system administrators. It describes the administration facilities in the HP ALLBASE/4GL Run-Time Environment.

Part number:	92441-64001
Spine title:	HP ALLBASE/4GL Run-Time Administration Manual
Systems:	300/800
Audience:	Database developers and system administrators
Tasks:	Consult this document to perform these tasks:
	 Perform system administration for the HP ALLBASE/4GL Run-Time Environment
	 Define system specifications

- Define system security
- Disaster recovery

2-38 HP-UX Manual Citations

HP ALLBASE/QUERY User Guide

This guide provides a tutorial introduction to HP ALLBASE/QUERY. It also includes reference information about all HP ALLBASE/QUERY screens and about the HP ALLBASE/QUERY command language.

Part number:	92534-90001
Spine title:	HP ALLBASE/QUERY User Guide
Systems:	300/800
Audience:	Database users
Tasks:	Consult this document to perform these tasks:
	■ Use EZAccess
	■ Use SQLAccess
	■ Create reports with EZReport

- Learn about advanced HP ALLBASE/QUERY functions
- Consult a detailed reference for HP ALLBASE/QUERY screens and commands.

HP ALLBASE/QUERY Installation Guide

This guide describes the procedure for installing HP ALLBASE/QUERY.

Part number: 92534-90002

Spine title: *HP ALLBASE/QUERY Installation Guide*

Systems: 300/800

Audience: Database administrators and system administrators

Tasks: Consult this document to perform these tasks:

■ Install HP ALLBASE/QUERY

2-40 HP-UX Manual Citations

HP Ada/SQL Reference Manual

This manual describes HP Ada/SQL, an interface to HP SQL consisting of four library units, packages containing data structures, data types, functions, and procedures. The Ada interface allows programmers to write programs in pure Ada with no requirements for working around the language through either untyped operations or interface procedures written in another language.

Part number:	98889-90002
Spine title:	HP Ada/SQL Reference Manual
Systems:	300
Audience:	Ada programmers
Tasks:	Consult this document to perform these tasks:
	 Use HP SQL through the Ada interface to the HP Ada/SQL DBEnvironment

Graphics

2-42 HP-UX Manual Citations

Starbase Driver Development Guide

This manual describes how to develop device drivers for a Series 300 Starbase graphics library.

Part number:	97009-90000
Spine title:	Starbase Driver Development Guide
Systems:	300
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Write device drivers for Starbase

Device-Independent Graphics Library Programmer's Manual

This manual provides Device-Independent Graphics Library (DGL) tutorial and reference information. Application programmers can use it to learn the features of DGL as well as for reference material as they write their application programs.

Part number:	97084-90010
Spine title:	Device-Independent Graphics Library Programmer's Manual
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	Program with Device-independent Graphics Library routines

2-44 HP-UX Manual Citations

DGL/AGP Device Drivers Manual

This manual outlines the usage of device drivers for the Device-Independent Graphics Library and the Advanced Graphics Package.

Part number:	97084-90028
Spine title:	DGL/AGP Device Drivers
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Program with graphics drivers



Advanced Graphics Package Programmer's Manual

This manual contains both generic tutorial information concerning Advanced Graphics Package (AGP) and supplemental information which is specific to the HP-UX operating system. This manual also provides AGP subroutine user's and reference information. It contains a user's section and an alphabetical collection of reference pages of the subroutines that make up the Advanced Graphics Package.

Part number:	97085-90012
Spine title:	Advanced Graphics Package Programmer's Manual
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Program with the Advanced Graphics Package

2-46 HP-UX Manual Citations

Programming with the Starbase Integer Interface

This is the reference needed to program with the Starbase Integer Interface.

Starbase Programming with X11

This manual is intended to help programmers develop Starbase programs that run in an X11 window. Also included is information to help the programmer move graphic applications from other window environments.

Part number:	98592-90000
Spine title:	Starbase Programming with X11
Systems:	300/800
Audience:	Starbase graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Create Starbase graphics programs in X11

2-48 HP-UX Manual Citations

Starbase Device Drivers Library Manual

This two-volume manual describes the device-dependent features of all the supported HP graphics peripherals.

Part number:	98592-90018
Spine title:	Starbase Device Drivers Library Manual
Systems:	300/800
Audience:	Experienced graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Program with Starbase device drivers

Starbase C Pocket Reference

This compact reference lists the Starbase calls as used in a C program. It also includes a list of procedure names and parameters.

Part number:	98592-90031
Spine title:	(no spine)
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:

■ quick-reference for calling Starbase routines from C

2-50 HP-UX Manual Citations

Starbase FORTRAN Pocket Reference

This compact reference lists the Starbase calls as used in a FORTRAN program. It also includes a list of procedure names and parameters.

Part number:	98592-90041
Spine title:	(no spine)
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Consult a quick-reference for calling Starbase routines from FORTRAN/9000

A Beginner's Guide to Using Starbase

This manual presents a few of the many Starbase routine that are used to draw graphics primitives (such as lines, rectangles, circles, ellipses, and polygins) on an output device. The user learns to create simple graphics programs by using the primitives in gradually more complex combinations.

Part number:	98592-90046
Spine title:	A Beginner's Guide to Using Starbase
Systems:	300/800
Audience:	Programmers who are learning to use Starbase graphics
Tasks:	Consult this document to perform these tasks:
	Learn about Starbase
	■ Start Starbase

- Use Move and Draw
- Use Polygons
- Use Rectangles
- Fill a picture with a pattern or a color
- Put text in the picture
- Use color
- Use the "arc" routine

2-52 HP-UX Manual Citations

Starbase Pascal Pocket Reference

Pascal

This compact reference lists the Starbase calls as used in a Pascal program. It also includes a list of procedure names and parameters.

Part number:	98592-90051
Spine title:	(no spine)
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	• Consult a quick reference for calling Starbase routines from

Starbase Reference

This manual is a companion volume to the Starbase Graphics Techniques. This manual contains an alphabetized list of Starbase Graphics routines.

Part number:	98592-90065
Spine title:	Starbase Reference
Systems:	300/800
Audience:	Experienced graphics programmers
Tasks:	Consult this document to perform these tasks:
	• Program with routines from the Starbase graphics library

2-54 HP-UX Manual Citations

Starbase Graphics Techniques

This three-volume tutorial begins with a low-level program which draws a line. It gives a progressive example of how to draw a graph. Later chapters present more advanced topics.

Part number:	98592-90078
Spine title:	Starbase Graphics Techniques
Systems:	300/800
Audience:	Experienced programmers with little or no graphics experience.
Tasks:	Consult this document to perform these tasks:

• Learning how to create graphics programs in Starbase

Fast Alpha/Font Manager Programmer's Manual

This manual presents information that programmers need to place text on graphics screens. It may be used within Starbase, Windows/9000, and HP's implementation of the X Window System (version 11).

Part number:	98592-90092
Spine title:	Fast Alpha/Font Manager Programmer's Manual
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:

■ Use Fast Alpha and Font Manager library routines

2-56 HP-UX Manual Citations

HP-GKS User's Guide

The Hewlett-Packard Graphics Kernel System (HP-GKS) is a subroutine library for 2-dimensional computer graphics programming. HP-GKS is implemented on top of the HP Starbase Graphics Library to take advantage of the Device Drivers and special features of the Starbase System. Knowledge of ANSI GKS, as described in the ANSI GKS Specification (ANS-X3.124-1985), is a prerequisite for using this manual. This manual explains the specifics of how Hewlett-Packard implemented those parts of GKS that required implementation decisions.

Part number:	98672-90001
Spine title:	HP-GKS User's Guide
Systems:	300/800
Audience:	Beginning graphics programmers
Tasks:	Consult this document to perform these tasks:
	Program with Graphics Kernel System routines

HP-GKS Device Drivers Library

This manual outlines the capabilities and usage of device drivers for the Hewlett-Packard Graphics Kernel System (HP-GKS). This manual is organized around device drivers. The ANSI GKS Specification contains the standard specification for GKS. The HP-GKS User's Guide contains information specific to the Hewlett-Packard implementation. Knowledge of GKS and HP-GKS as described in these manuals is a prerequisite for using this manual.

Part number:	98672-90013
Spine title:	HP-GKS Device Drivers Library
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Program with Graphics Kernel System device drivers

2-58 HP-UX Manual Citations

HP-GKS FORTRAN Pocket Reference

This compact reference lists the HP-GKS calls as used in a FORTRAN program. It also includes a list of procedure names and parameters.

Part number:	98672-90040
Spine title:	(no spine)
Systems:	300/800
Audience:	FORTRAN graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Consult a reference for information about FORTRAN

ANSI Graphics Kernel System (GKS) Functional Description

This ANSI standard is the entry-level manual to programming in HP-GKS.

Part number: 98672-90602

Spine title:	ANSI Graphics Kernel System (GKS) Functional Description
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	 Consult the ANSI standard description for GKS

2-60 HP-UX Manual Citations

Starbase Display List Programmer's Manual

This manual is for the graphics programmer who will be using the Starbase Display List subsystem. This subsystem is referred to as the "display list" or the "Starbase Display List" throughout the manual.

Part number:	98674-90002
Spine title:	Starbase Display List Programmer's Manual
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:
	• Program with the Starbase display list handler



Turbo SRX Graphics Demo Guide

This document provides the directions necessary to install and run graphics demonstration programs on the Turbo SRX.

Part number:	98730-90013
Spine title:	(no spine)
Systems:	300/800
Audience:	Graphics programmers
Tasks:	Consult this document to perform these tasks:

Install and run demonstration programs on the Turbo SRX

2-62 HP-UX Manual Citations

Starbase Radiosity and Ray Tracing Programmer's Manual

This maual explains the Starbas radiosity and ray tracing programs, which allow you to produce extremely realistic images.

Part number:	98885-90000
Spine title:	Starbase Radiosity and Ray Tracing Programmer's Manual
Systems:	300
Audience:	Programmers in advanced graphics imaging
Tasks:	Consult this document to perform these tasks:
	\blacksquare Add shadows and shading for directional effects of light

Add shading for diffusely reflecting surfaces

Ada/GKS Binding Reference Manual

This manual provides information on the use of the HP Ada/GKS binding product. Graphical Kernel System (GKS) is an international standard for the functions of a computer graphics system.

Part number:	98889-90001
Spine title:	Ada/GKS Binding Reference Manual
Systems:	300
Audience:	Ada programmers
Tasks:	Consult this document to perform these tasks:
	Learn to invoke GKS functions from Ada programs

2-64 HP-UX Manual Citations

Ada/Starbase Binding Reference Manual

This manual provides information on the use of the HP Ada/Starbase binding product. The Starbase Graphics Library consists of procedures to generate graphic text and pictures.

Part number:	98889-90003
Spine title:	Ada/Starbase Binding Reference Manual
Systems:	300
Audience:	Ada programmers
Tasks:	Consult this document to perform these tasks:
	• Learn to compile and link Ada/Starbase programs

Windowed Display Systems

2-66 HP-UX Manual Citations

Programming with the Xrlib User Interface Toolbox

This manual is for programmers who wish to port Xrlib applications from the X Window System, version 10 to the X Window System, version 11.

Part number:	5090-0004
Spine title:	Programming with the Xrlib User Interface Toolbox
Systems:	300/800
Audience:	X Window System programmers
Tasks:	Consult this document to perform these tasks:
	Use intrinsics
	■ Use field editors
	■ Create dialogs
	 Build a field editor
	 Port X10 Xrlib applications to X11

■ Create FORTRAN bindings

Programming with the X Window System

Reference

This manual is for programmers who intend to use the X Window System (version 10) and development tools to create application programs.

Part number:	82320-90005
Spine title:	Programming with the X Window System
Systems:	300/800 (X10 only)
Audience:	X Window System programmers
Tasks:	Consult this document to perform these tasks:
	 Program with the X Window System
	• Consult the X Window Library routine pages for the $HP-UX$

2-68 HP-UX Manual Citations

Getting Started With the X Window System

This manual provides information about installing and using the X10 version of the X Window System.

Part number:	82320-90006
Spine title:	Getting Started With the X Window System
Systems:	300 (X10 only)
Audience:	X Window System users
Tasks:	Consult this document to perform these tasks:
	 Install the X Window System (version 10)
	 Use the X Window System Version 10)

• Consult the X command pages for the HP-UX Reference

Term0 Reference Manual

This document describes the feature set and programming methods for HP level 0 terminals (Term0).

Part number:	82865-90002
Spine title:	Term0 Reference Manual
Systems:	300
Audience:	HP Windows/9000 programmers
Tasks:	Consult this document to perform these tasks:
	 Look up Term0 definition, special characters, escape sequences

2-70 HP-UX Manual Citations

HP Windows/9000 Documentation

This constitutes both the user's and programmer's manuals for the HP Windows/9000 product.

Part number:	97069-90003
Spine title:	HP Windows/9000 Documentation
Systems:	300
Audience:	HP Windows/9000 users and programmers
Tasks:	Consult this document to perform these tasks:
	■ in the HP Windows/9000 User's Manual:
	□ Interact with HP Windows/9000
	Look up HP Windows/9000 commands and environment variables
	\Box Learn how to use shared memory
	Learn window limitations
	■ in the HP Windows/9000 Programmer's Manual:
	□ Program with Windows/9000
	Study example programs

HP Windows/9000 Reference

This manual contains an alphabetical listing of HP Windows/9000 routines.

Part number:	97069-90023
Spine title:	HP Windows/9000 Reference
Systems:	300
Audience:	HP Windows/9000 users and programmers
Tasks:	Consult this document to perform these tasks:
	 Look up descriptions of window commands and library routines

2-72 HP-UX Manual Citations

A Beginner's Guide to the X Window System

This guide introduces the X Window System version 11 (X11), a versatile window environment designed to simplify users' interactions with the computer. The essentials of controlling the X11 environment are presented in a tutorial format.

Part number:	98594-90002
Spine title:	A Beginner's Guide to the X Window System
Systems:	300/800
Audience:	General users who are learning to use X Window
Tasks:	Consult this document to perform these tasks:
	Learn about the X Window System
	 Learn basic X Window management functions

- Use X Window client programs
- Organize the X environment
- Study example configuration files

Programming with the HP X Widgets and the Xt Intrinsics

The HP X Widget system provides the base upon which programmers may build a wide variety of application environments. Based on the R2 X Toolkit Intrinsics, it provides quick and easy access to the lower levels of the X Window System. This manual explains the individual widgets and shows how to create and use these widgets in applications.

Part number:	98794-90000
Spine title:	Programming with the HP X Widgets and the Xt Intrinsics
Systems:	300/800
Audience:	X Window System programmers
Tasks:	Consult this document to perform these tasks:
	• Program with the HP R2 X11 Widgets
	 Program with the X Window System R2 Xt Intrinsics library

• Consult the HP Widgets man pages

2-74 HP-UX Manual Citations

Using the X Window System

This manual describes how users can set up, control, and customize their X Window environments.

Part number:	98794-90001
Spine title:	Using the X Window System
Systems:	300/800
Audience:	X Window System users
Tasks:	Consult this document to perform these tasks:
	Use the X Window System
	Run the X clients
	 Perform user-level customization
	 Perform system-level customization

Programming with Xlib

This manual is a reference guide to the low-level C language interface to the X Window system protocol. It assumes a basic understanding of a graphics window system and of the C programming language.

Part number:	98794-90002
Spine title:	Programming with Xlib
Systems:	300/800
Audience:	X Window System programmers
Tasks:	Consult this document to perform these tasks:
	 Program with the X Window System
	 Create FORTRAN bindings
	- Consult the Ville routine names for the UD UV Deferrers

• Consult the Xlib routine pages for the *HP-UX Reference* (3X)

2-76 HP-UX Manual Citations

X Window System C Quick Reference Guide

This manual provides lists of X Window System functions and parameters without explanatory text.

Part number:	98794-90003
Spine title:	X Window System C Quick Reference Guide
Systems:	300/800
Audience:	X Window System programmers
Tasks:	Consult this document to perform these tasks:
	 Consult an alphabetic listing of the commands and widgets described in:
	Programming with the Xt Intrinsics
	HP OSF/Motif Programmer's Guide
	HP OSF/Motif Programmer's Reference
	Programming with Xlib

Installing and Configuring the X Window System

This manual describes how the X Window System may be configures to meet specific user needs.

Part number:	98794-90004
Spine title:	Installing and Configuring the X Window System
Systems:	300/800
Audience:	X Window System users
Tasks:	Consult this document to perform these tasks:
	 Complete the X WIndow System installation
	Set system defaults
	• Customize the startup file
	■ Arrange for remote access
	 Arrange for display on one or more screens
	• Change the color database
	Add input devices
	 Arrange to use the keyboard instead of the mouse
	• Customize the keyboard
	 Display native-language character sets
	 Correct installation problems

2-78 HP-UX Manual Citations

HP OSF/Motif Programmer's Guide

The HP OSF/Motif widget system provides the base upon which programmers may build a wide variety of application environments.

Part number:	98794-90005
Spine title:	HP OSF/Motif Programmer's Guide
Systems:	300/800
Audience:	HP OSF/Motif programmers
Tasks:	Consult this document to perform these tasks:
	 Program with HP OSF/Motif widgets

HP OSF/Motif Programmer's Reference

This manual provides the man pages for the HP OSF/Motif functions for the X Window System.

Part number:	98794-90006
Spine title:	HP OSF/Motif Programmer's Reference
Systems:	300/800
Audience:	HP OSF/Motif programmers
Tasks:	Consult this document to perform these tasks:
	• Examine the following sets of man pages:
	□ HP OSF/Motif window manager
	HP OSF/Motif widgets
	□ HP OSF/Motif intrinsics

2-80 HP-UX Manual Citations

HP OSF/Motif Style Guide

This manual contains information needed to design an application, widget, or window manager so that it is consistent in appearance and behavior with the HP OSF/Motif standard.

Part number:	98794-90007
Spine title:	HP OSF/Motif Style Guide
Systems:	300/800
Audience:	HP OSF/Motif programmers
Tasks:	Consult this document to perform these tasks:
	Learn HP OSF/Motif standards

Programming with the Xt Intrinsics

The R3 Xt Intrinsics provide the base mechanisms necessary to build a wide variety of widget sets and application environments.

Part number:	98794-90008
Spine title:	Programming with the Xt Intrinsics
Systems:	300/800
Audience:	X Window System programmers
Tasks:	Consult this document to perform these tasks:
	 Program with the R3 Xt Intrinsics Library
	• Consult the R3 Xt Intrinsics man pages

2-82 HP-UX Manual Citations

HP Windows/9000 to X Window System Conversion Guide

This manual provides information about making the transition from the HP Windows/9000 environment to the X Window System.

Part number:	98794-90075
Spine title:	HP Windows/9000 to X Window System Conversion Guide
Systems:	300/800
Audience:	X Window System programmers
Tasks:	Consult this document to perform these tasks:
	 Convert programs from Windows/9000 to the X Window System



Networking

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2-84 HP-UX Manual Citations

HP-UX SNA3270 and Gateway/SNA3270 Reference Manual

This manual describes the HP-UX SNA3270 and HP-UX Gateway/SNA3270 products for the HP 9000 Series 300 and Series 800 systems. The manual provides the information to install, configure, and use these SNA3270 products and to perform some basic troubleshooting of the products.

Part number:	36590-90000
Spine title:	HP-UX SNA3270 and Gateway/SNA3270 Reference Manual
Systems:	300/800
Audience:	Programmers and system administrators
Tasks:	Consult this document to perform these tasks:
	Install SNA3270
	■ Use SNA3270

- Transfer files via SNA3270
- Troubleshoot SNA3270

HP-UX SNALink and Gateway/SNALink Reference Manual

This manual describes the HP-UX SNALink and HP-UX Gateway/SNALink products for the HP 9000 Series 300 and Series 800 systems. The manual provides the information to install, configure, and use these SNALink products and to perform some basic troubleshooting of the products.

Part number:	36592-90000
Spine title:	HP-UX SNALink and Gateway/SNALink Reference Manual
Systems:	300/800
Audience:	Programmers and system administrators
Tasks:	Consult this document to perform these tasks:
	Install SNALink
	Use SNALink

- Transfer files via SNALink
- Troubleshoot SNALink

2-86 HP-UX Manual Citations

HP-UX SNA/9000 Manual Reference Pages

This manual contains the man pages related to the following products.

- HP-UX SNA3270 and Gateway/SNA3270
- HP-UX SNA3770 and Gateway/SNA3770
- HP-UX SNALink and Gateway/SNALink
- HP-UX SNA3179G and Gateway/SNA3179G

Part number:	36592-90003
Spine title:	HP-UX SNA/9000 Manual Reference Pages
Systems:	300/800
Audience:	End users and SNA system administrators
Tasks:	Consult this document to perform these tasks:
	 Look up the names and syntax of commands for SNA/9000-related products

X.25/9000 Programmer's Guide

This manual describes HP's programmatic access to X.25/9000 for X.25 Level 3 via the Berkeley IPC facility. The X.25/9000 product allows you to connect HP 9000 computers to packet-switching networks which conform to CCITT X.25 Recommendations.

Part number:	36940-90001
Spine title:	X.25/9000 Programmer's Guide
Systems:	300/800
Audience:	Network managers and programmers
Tasks:	Consult this document to perform these tasks:
	 Review the basics of Berkeley IPC
	 Create applications using Berkeley IPC to access X.25/9000 Level 3

2-88 HP-UX Manual Citations

Installing and Administering X.25/9000

This manual describes how to install and administer the X.25/9000 product. the X.25/9000 product allow you to connect HP 9000 computers to packet-switching networks which conform to CCITT X.25 Recommendations.

Part number:	36940-90004
Spine title:	Installing and Administering X.25/9000
Systems:	300/800
Audience:	Network managers
Tasks:	Consult this document to perform these tasks:
	■ Load and configure X.25/9000 software
	Initialize and shut down X.25/9000

Troubleshooting X.25/9000

This manual describes how to troubleshoot the X.25/9000 product. It includes all error, logging, and diagnostic messages. The X.25 product allows you to connect HP 9000 computers to packet-switching networks which conform to CCITT X.25 Recommendations.

Part number:	36940-90005
Spine title:	Troubleshooting X.25/9000
Systems:	300/800
Audience:	Network managers and programmers
Tasks:	Consult this document to perform these tasks:
	■ Troubleshoot common X.25 problems
	**

- Use network logging
- Use network tracing

2-90 HP-UX Manual Citations

RJE (Remote Job Entry) User's Manual

This manual is helps users perform remote job entry tasks with the RJE product.

Part number:	50966-90000
Spine title:	RJE (Remote Job Entry) User's Manual
Systems:	300
Audience:	Users who perform remote job entry
Tasks:	Consult this document to perform these tasks:
	 Perform RJE system administration
	■ Use RJE
	• Consult the RJE reference pages

■ Troubleshoot RJE

HP-UX SNA3770 and Gateway/SNA3770 Reference Manual

This manual describes the HP-UX SNA3770 and HP-UX Gateway/SNA3770 products for the HP 9000 Series 300 and Series 800 systems. The manual provides the information to install, configure, and use these SNA3770 products and to perform some basic troubleshooting of the products.

Part number:	98184-90000
Spine title:	HP-UX SNA3770 and Gateway/SNA3770 Reference Manual
Systems:	300/800
Audience:	Programmers and system administrators
Tasks:	Consult this document to perform these tasks:
	Install SNA3770
	■ Use SNA3770

- Transfer files via SNA3770
- Troubleshoot SNA3770

2-92 HP-UX Manual Citations

Networking Reference Pages

This is a kit which contains a binder, a spine, a front cover, and a back cover. This kit may be used to hold the following reference pages:

- X.25/9000 Reference Pages (part number 98194-90014)
- ARPA/Berkeley Reference Pages (part number B1014-90002)
- Network Services Reference Pages (part number B1012-90002)
- NFS Services Reference Pages (part number B1013-90003)

This kit may be used to hold all the reference pages for the networking products available for HP-UX.

Part number:	98194-60014
Spine title:	Networking Reference
Systems:	300/800
Audience:	LAN programmers and network managers
Tasks:	See the entries for X.25/9000 Reference Pages, ARPA/Berkeley Reference Pages, Network Services Reference Pages, and NFS Services Reference Pages.

LLA Programmer's Guide

This manual describes HP's Link Level Access (LLA) facility. LLA is a program development tool that allows direct access to the LAN/9000 link level driver.

Part number:	98194-90011
Spine title:	LLA Programmer's Guide
Systems:	300/800
Audience:	LAN programmers
Tasks:	Consult this document to perform these tasks:
	 Learn about the Link Level Access (LLA) interface
	 Create applications that use LLA
	 Sudy programming examples

2-94 HP-UX Manual Citations

Berkeley IPC Programmer's Guide

This manual describes HP' implementation of the Berkeley Software Distribution Interprocess Communication (IPC) facility. Berkeley IPC is a program development tool for process-toprocess communication in the UNIX environment.

Part number:	98194-90012
Spine title:	Berkeley IPC Programmer's Guide
Systems:	300/800
Audience:	LAN/X.25 programmers
Tasks:	Consult this document to perform these tasks:
	• Learn about the Berkeley IPC interface
	• Create applications using the Berkeley IPC

Study program examples

NetIPC Programmer's Guide

This manual describes HP' Network Interprocess Communication (NetIPC) facility. NetIPC is a program development toolfor process-to-process communication between HP computers.

Part number:	98194-90013
Spine title:	NetIPC Programmer's Guide
Systems:	300/800
Audience:	LAN/X.25 programmers
Tasks:	Consult this document to perform these tasks:
	• Learn about the NetIPC interface
	• Create distributed applications using NetIPC

• Study program examples

2-96 HP-UX Manual Citations

LAN/X.25 Reference Pages

These are the manual reference pages for the LAN/9000 and X.25/9000 network links. They describe link management, logging, tracing, troubleshooting, and use of the NetIPC (network interprocess communication), and BSD IPC (Berkeley interprocess communication), and LLA (Link Level Access) programmatic interfaces.

Part number:	98194-90014
Spine title:	Networking Reference Pages
Systems:	300/800
Audience:	Network managers, programmers, and users
Tasks:	Consult this document to perform these tasks:
	 Check syntax and action of LAN commands, system calls, library routines and files
	• Check syntax and action of X.25 commands, system calls,

library routines and files

Installing and Administering LAN/9000 Series 300

This manual describes how to install and administer the LAN/9000 series 300 product. The LAN/9000 product allows you to connect an HP 9000 Series 300 computer to an IEEE 802.3 or Ethernet local area network.

Part number:	98194-90015
Spine title:	Installing LAN/9000 Series 300
Systems:	300
Audience:	Network managers
Tasks:	Consult this document to perform these tasks:
	 Load and configure LAN software
	 Maintain LAN software
	■ Troubleshoot the LAN
	 Use network logging

■ Use network tracing

2-98 HP-UX Manual Citations

SRM Access Utilities for HP-UX

This manual serves as a guide to the Shared Resource Manager (SRM).

Part number:98693-90000Spine title:SRM Access Utilities for HP-UXSystems:300Audience:SRM usersTasks:Consult this document to perform these tasks:Install SRMLook up HP-UX commands for accessing SRM

• Consult the SRM reference pages



HP-UX SNA3179G and Gateway/SNA3179G Reference Manual

This manual describes the HP-UX SNA3179G and HP-UX Gateway/SNA3179G products for the HP 9000 Series 300 and Series 800 systems. The manual provides the information to install, configure, and use these SNA3179G products and to perform some basic troubleshooting of the products.

Part number:	B1001-90000
Spine title:	HP-UX SNA3179G and Gateway/SNA3179G Reference Manual
Systems:	300/800
Audience:	Programmers and system administrators
Tasks:	Consult this document to perform these tasks:
	Install SNA3179G
	■ Use SNA3179G
	- Transfor files via SNA 3170C

- Transfer files via SNA3179G
- Troubleshoot SNA3179G

2-100 HP-UX Manual Citations

Using Network Services

This manual contains introductory information on the Network Services and chapters explaining how to use the Network Services (NS).

Part number:	B1012-90000
Spine title:	Using Network Services
Systems:	300/800
Audience:	NS programmers and users
Tasks:	Consult this document to perform these tasks:
	 Perform network file transfers
	 Access files on a remote host
	 Log onto an HP 3000 with vt3k (a Network Service application)
	■ Reference the ASCII character set
	 Interpret NS error messages

Understand the Network Services/HP9000 migration

Installing and Administering Network Services

This manual is for network managers of the HP 9000 computer systems using the NS product. This manual explains how to install, configure and maintain the NS product software.

Part number:	B1012-90001
Spine title:	Installing and Administering Network Services
Systems:	300/800
Audience:	NS network managers
Tasks:	Consult this document to perform these tasks:
	 Install an configure Network Services (NS)
	 Maintain Network Services (NS)
	 Troubleshoot Network Services (NS)
	 Install, configure, and troubleshoot vt3k (a Network Service application allowing you to log onto an HP 3000)

2-102 HP-UX Manual Citations

Network Services Reference Pages

This manual is a printed copy of the online NS manual reference pages.

Part number:	B1012-90002
Spine title:	(no spine) Tabbed <i>Network Services Reference Pages</i> are in the <i>Networking Reference</i> manual.
Systems:	300/800
Audience:	Network managers and all programmers
Tasks:	Consult this document to perform these tasks:
	 Look up references for HP-UX networking commands, system calls, libraries, and file formats for HP's Network Services

Networking Overview

This booklet describes the Network Services (NS), ARPA Services, X.25, X.400, and NFS Services products available for HP 9000 computers.

Part number:	B1012-90003
Spine title:	(no visible spine)
Systems:	300/800
Audience:	Network users
Tasks:	Consult this document to perform these tasks:
	 Learn about networks, network architecture, and the OSI model
	 Learn about Network Services, ARPA Services, X.25, X.400, and NFS Services
	 Learn about the contents of the NS, ARPA, X.25, X.400, and NFS services manuals

2-104 HP-UX Manual Citations

Using NFS Services

This manual describes the NFS services and explains common NFS commands. It also contains reference information on NFS Services vs. local HP-UX and migrating from RFA to NFS.

Part number:	B1013-90000
Spine title:	Using NFS Services
Systems:	300/800
Audience:	NFS programmers and users
Tasks:	Consult this document to perform these tasks:
	 Use NFS in an HP-UX cluster environment
	 Understand the differences between HP NFS services vs. local HP-UX
	 Migrate from RFA to NFS
	 Using the RPC Program Compiler
	 Using the Lock Manager
	■ Use the Remote Execution Service (REX)
	 Use named pipes/device files

■ Understand interactions with HP-UX Access Control List

Installing and Administering NFS Services

This manual tells how to install, configure, and maintain the NFS Services product software. Yellow Pages (YP) configuration, and maintenance is included.

Part number:	B1013-90001
Spine title:	Installing and Administering NFS Services
Systems:	300/800
Audience:	NFS users and network managers
Tasks:	Consult this document to perform these tasks:
	Install NFS
	 Configure and maintain NFS
	 Configure and maintain YP

2-106 HP-UX Manual Citations

Programming and Protocols for NFS Services

This manual contains overviews of Remote Procedure Call (RPC), External Data Representation (XDR) and Yellow Pages. An RPC programming guide is also included, along with protocol specifications for RPC, XDR and YP.

Part number:	B1013-90002
Spine title:	Programming and Protocols for NFS Services
Systems:	300/800
Audience:	Network programmers
Tasks:	Consult this document to perform these tasks:
	• Create programs using remote procedure calls (RPCs) and the remote procedure call protocol compiler (RCPGEN)
	 Understand and use the External Data Representation (XDR) protocol

■ Understand and use the Yellow Pages (YP) protocol

NFS Services Reference Pages

This manual contains the reference pages for NFS Services.

Part number:	B1013-90003
Spine title:	(no spine) Tabbed <i>NFS Services Reference Pages</i> are in the <i>Networking</i> <i>Reference</i> manual.
Systems:	300/800
Audience:	Experienced HP-UX users who use, program with, and manage the NFS Services Software
Tasks:	Consult this document to perform these tasks:
	 Look up references for HP-UX networking commands, system calls, libraries, file formats, and device files for NFS Services

2-108 HP-UX Manual Citations

Using ARPA Services

This manual contains introductory information on the ARPA and Berkeley Services, a user's view of internetwork mailing, and chapters explaining how to use the ARPA and Berkeley Services.

Part number:	B1014-90000
Spine title:	Using ARPA Services
Systems:	300/800
Audience:	Users of ARPA/Berkeley Services
Tasks:	Consult this document to perform these tasks:
	 Route network mail
	■ List remote host information
	■ List remote user information
	■ Log onto a remote host
	 Perform remote file transfers

- Copy files on a remote host
- remote command execution

Installing and Administering ARPA Services

This manual is for network managers of HP 9000 computer systems using the ARPA product. The manual explains how to install, configure and maintain the ARPA product software.

Part number:	B1014-90001
Spine title:	Installing and Administering ARPA Services
Systems:	300/800
Audience:	ARPA network managers
Tasks:	Consult this document to perform these tasks:
	Install ARPA Services
	 Maintain ARPA Servires
	 Configure, maintain, and troubleshoot the BIND name server (a distributed network information lookup service)
	 Configure and troubleshoot gated (a daemon that determines packet routing)
	 Install, configure, and troubleshoot sendmail (an internetwork mail routing service)

Troubleshoot ARPA Services

2-110 HP-UX Manual Citations

ARPA/Berkeley Services Reference Pages

This manual contains the reference pages for the ARPA/Berkeley Services.

Part number:	B1014-90002
Spine title:	(no spine) Tabbed <i>ARPA/Berkeley Services Reference Pages</i> are in the <i>Networking Reference</i> manual.
Systems:	300/800
Audience:	Experienced HP-UX users who use, program with, and manage the ARPA/Berkeley Services software.
Tasks:	Consult this document to perform these tasks:
	 Look up references for HP-UX networking commands, system calls, libraries, file formats, and device files for ARPA/Berkeley Services

Native Language Support and Input/Output

2-112 HP-UX Manual Citations

Simplified Chinese Input Method Guide

This manual explains how to use Simplified Chinese input methods for host conversion input on the HP 9000 Series 800 and Series 300 computers. This entire manual is written in Chinese.

Part number:	92550-90001
Spine title:	Simplified Chinese Input Method Guide
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	 Use the language-specific input method for host conversion input

Simplified Chinese Code Book

This manual explains how to use Simplified Chinese code for host conversion input on the HP 9000 Series 800 and Series 300 computers. This entire manual is written in Chinese.

Part number:	92550-90002
Spine title:	Simplified Chinese Code Book
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	• Use the language-specific code for host conversion input
	 Get a description of keyboard functions and input methods

• Consult the reference section of NLIO commands

2-114 HP-UX Manual Citations

Traditional Chinese Input Method Guide

This manual explains how to use Traditional Chinese input methods for host conversion input on the HP 9000 Series 800 and Series 300 computers. This entire manual is written in Chinese.

Part number:	92552-90001
Spine title:	Traditional Chinese Input Method Guide
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	 Use the language-specific input method for host conversion input



Traditional Chinese Code Book

This manual explains how to use Traditional Chinese code for host conversion input on the HP 9000 Series 800 and Series 300 computers. This entire manual is written in Traditional Chinese.

Part number:	92552-90002
Spine title:	Traditional Chinese Code Book
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	• Use the language-specific code for host conversion input
	 Get a description of keyboard functions and input methods

• Consult the reference section of NLIO commands

2-116 HP-UX Manual Citations

Native Language I/O Access User's Guide

This manual explains how to use the Native Language Input/Output (NL I/O) subsystem on the HP 9000 Series 800 and Series 300 computers. A programming section for advanced users and/or programmers is included. The keyboard functions and input methods for Japanese, Simplified Chinese, Traditional Chinese and Korean are briefly described. In addition, this guide provides a reference section for the NL I/O commands.

Part number:	92559-90001 (English version) 92557-90004 (Japanese version) 92550-90004 (Simplified Chinese version) 92552-90004 (Traditional Chinese version) 92555-90004 (Korean version) (The Korean Code and Input Methods information is included in this book)
Spine title:	Native Language I/O Access User's Guide
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	■ Use the NLIO subsystem
	Program using NLIO

• Look up the filesets and font descriptions for the supported language

Native Language I/O System Administrator's Guide

This guide tells system administrators how to install the Native Language I/O subsystem on the HP 9000 Series 300 and Series 800 computers. Section I explains how to install Asian language-dependent printers and terminals. Host computer hardware and software requirements are also covered. Japanese, Simplified Chinese, Traditional Chinese and Korean peripherals are covered in separate sections. The following additional fonts are covered in this manual: Japanese, Traditional Chinese and Korean simplex fonts and Japanese designer fonts.

Part number:	92559-90002 (English version) 92557-90003 (Japanese version) 92550-90003 (Simplified Chinese version) 92552-90003 (Traditional Chinese version) 92555-90003 (Korean version)
Spine title:	Native Language I/O System Administrator's Guide
Systems:	300/800
Audience:	System administrators
Tasks:	Consult this document to perform these tasks:
	Learn about the hardware and software supported by NLIO

Install and configure NLIO

2-118 HP-UX Manual Citations

Native Language Support: HP-UX Concepts and Tutorials

Thi manual describes HP's Native Language Support system, which assists developers in the task of creating software which functions in a variety of human languages.

Part number:	97089-90058
Spine title:	Native Language Support: HP-UX Concepts and Tutorials
Systems:	300/800
Audience:	General users, system administrators, and programmers
Tasks:	Consult this document to perform these tasks:
	 Using internationalized commands
	 Developing international software
	■ Character codes and codesets
	■ Local customs
	 Messaging in local languages
	 Administering international software
	□ NLS files
	Install/update procedures
	□ Setting the default user environment
	Changing the user's environment
	 Localizing international software
	Creating a locale
	Localizing messages
	 Advanced NLS functions
	Configuring environment and equipment
	Using NLIO
	Codeset conversion
	Processing right-to-left languages

Kanji Code Book

This manual explains how to use Kanji code for host conversion input on the HP 9000 Series 800 and Series 300 computers. This entire manual is written in Japanese.

Part number:	98861-90003
Spine title:	Kanji Code Book
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	• Use the language-specific code for host conversion input
	• Get a description of keyboard functions and input methods

Consult the reference section of NLIO commands

2-120 HP-UX Manual Citations

Japanese Input Method Guide

This manual explains how to use the Japanese input methods for host conversion input on the HP 9000 Series 800 and Series 300 computers. This entire manual is written in Japanese.

Part number:	98861-90009
Spine title:	Japanese Input Method Guide
Systems:	300/800
Audience:	General users
Tasks:	Consult this document to perform these tasks:
	 Use the language-specific input method for host conversion input

Programming on HP-UX (General)

2-122 HP-UX Manual Citations

HP-UX Concepts and Tutorials: Programming Environment

This tutorial describes how to write programs that interface with the HP-UX operating system in a non-trivial way. This includes programs that use files by name, that use pipes, that invoke other commands as they run, or that attempt to catch interrupts and other signals during execution.

Part number:	97089-90042
Spine title:	HP-UX Concepts and Tutorials: Programming Environment
Systems:	300/800
Audience:	All HP-UX programmers
Tasks:	Consult this document to perform these tasks:
	Program in HP-UX
	■ Use HP-UX system calls
	Use standard C library routines
	 Use lint, the picky C program checker
	 Use m4, a macro preprocessor for C and rational FORTRAN (Ratfor)
	 Use yacc, yet another compiler-compiler
	■ Use the cdb debugger

- Use make, a program for managing program development
- Use SCCS, a source code control system for HP-UX
- Use lex, a lexical analyzer generator

HP-UX Concepts and Tutorials: Device I/O and User Interfacing

This manual presents three topics: Device I/O Library (DIL) Routines, Native Language Support (NLS), and Curses and Terminfo. Each section has its own table of contents, indices, and appendices.

Part number:	97089-90057
Spine title:	HP-UX Concepts and Tutorials: Device I/O and User Interfacing
Systems:	300/800
Audience:	System programmers
Tasks:	Consult this document to perform these tasks:
	 Use the Device I/O Library (DIL)
	 Program with curses and terminfo—terminal-independent I/O routines

2-124 HP-UX Manual Citations

HP-UX Concepts and Tutorials: Facilities for 200/300/500

This manual describes the internal terminal emulator (ITE), the asynchronous terminal emulator, and the HP 9000 Series 200 68000 assembler for programmers.

Part number:	97089-90081
Spine title:	HP-UX Concepts and Tutorials: Facilities for 200/300/500
Systems:	300
Audience:	Programmers
Tasks:	Consult this document to perform these tasks:
	\blacksquare Use the internal terminal emulator on a Series 300 computer
	 Understand the asynchronous terminal emulator
	■ Use the HP 9000 Series 200 68000 HP-UX assembler

■ Program or configure HP-HIL devices

Floating Point Accelerator Reference

This manual gives instructions on how to use the floating-point accelerator (FPA), a memory-mapped coprocessor for HP 9000 Series 300 computers.

Part number:	98248-90020
Spine title:	Floating Point Accelerator Reference
Systems:	300
Audience:	Assembly-language programmers
Tasks:	Consult this document to perform these tasks:
	 Understand the architecture of the floating-point accelerator (FPA) card

Use the various addressing modes of the accelerator

2-126 HP-UX Manual Citations

HP-UX POSIX Conformance Document

This document defines the behavior of HP-UX for certain defined situations and specific aspects of system operation, as required by the POSIX standard.

Part number:	98794-90009
Spine title:	(no spine) Computer
Systems:	300/800 "Museum
Audience:	Experienced HP-UX users and programmers who are interested in issues related to the POSIX standard.
Tasks:	This is not a tasks manual. It is a document that defines how HP-UX behaves in certain situations that are left to the discretion of the supplier of POSIX-conformant software. Typically, these items are related to hardware-specific behavior and other issues that cannot readily be defined across broad classes fo machines and system architectures.
	It should be noted that the POSIX standard is still under development, and material contained in this document is subject to change between releases.

HP-UX Portability Guide: HP 9000 Series 300/800 Computers

This manual presents guidelines and techniques for maximizing the portability of C, Pascal, and FORTRAN programs on the HP 9000 computers with the HP-UX operating system. It concentrates on moving source code from one system to another and provides a general overview in the areas of porting code from operating systems other than HP-UX to the HP-UX environment, porting C, FORTRAN, or Pascal source code between Series 300 and 800 systems, and summarizing system calls and functions known to be system-dependent.

Part number:	98794-90047
Spine title:	HP-UX Portability Guide: HP 9000 Series 300/800 Computers
Systems:	300/800
Audience:	Programmers
Tasks:	Consult this document to perform these tasks:
	 Port DEC VAX code to HP-UX
	Port across HP-UX

- Use system calls and subroutines
- Port Pascal Workstation code to HP-UX

2-128 HP-UX Manual Citations

Programming in Ada

Reference Manual for the Ada Programming Language

This manual defines the standard for Ada as set by the United States Department of Defense.

Part number:	97055-90610
Spine title:	Reference Manual for the Ada Programming Language
Systems:	300
Audience:	Ada programmers
Tasks:	Consult this document to perform these tasks:
	 Consult the ANSI standard description of Ada programming language

2-130 HP-UX Manual Citations

Programming in Ada

by J. G. P. Barnes		
This book gives you an overall description of Ada.		
Part number:	97055-90611	
Spine title:	Programming in Ada	
Systems:	300	
Audience:	Ada programmers	
Tasks:	Consult this document to perform these tasks:	
	Program in Ada	

Ada User's Guide

This manual provides information on the use of the Ada/300 compiler and its utilities. It also contains all the information necessary to develop, compile, bind, link, and execute Ada/300 programs.

Part number:	98860-90001
Spine title:	Ada User's Guide
Systems:	300
Audience:	Programmers
Tasks:	Consult this document to perform these tasks:
	• Learn to use the $Ada/300$ compiler and its utilities

Develop, compile, bind, link, and execute Ada/300 programs

2-132 HP-UX Manual Citations

Reference Manual for the Ada Programming Language, Appendix F

This manual describes the implementation-dependent characteristics of the HP 9000 Series 300 System Ada compiler.

Part number:	98860-90011
Spine title:	Reference Manual for the Ada Programming Language, Appendix F
Systems:	300
Audience:	Ada programmers
Tasks:	Consult this document to perform these tasks:
	 Learn about implementation-dependent pragmas and attributes
	Read the specifications of the packages SYSTEM and STANDARD
	• Learn the restrictions on type conversions
	• Learn the implementation-dependent characteristics of the I/O packages

Ada Tools Manual

This manual explains the tools AdaProbe, AdaXref, AdaFormat, and AdaMake.

Part number:	98860-90041
Spine title:	Ada Tools Manual
Systems:	300
Audience:	Ada programmers
Tasks:	Consult this document to perform these tasks:
	 Debug and view Ada/300 programs with AdaProbe
	 Cross-reference an Ada/300 program with AdaXref
	 Reformat an Ada/300 program with AdaFormat

Build a command file automatically with AdaMake

2-134 HP-UX Manual Citations

Programming in Assembly Language

M68000 16/32-Bit Microprocessor Programmer's Reference Manual

Fourth Edition by Motorola, Inc.

This manual gives all the key information for software architects, computer designers, and programmers to complete software systems using the M68000 family of microprocessors. To facilitate design and for fullest understanding, each instruction is described in bit pattern format. Explicit examples of each instruction's operation are included.

Part number:	09826-90073
Spine title:	M68000 16/32-Bit Microprocessor Programmer's Reference Manual
Systems:	300
Audience:	Assembly-language programmers
Tasks:	Consult this document to perform these tasks:
	 Learn about the M68000 family architecture and instruction set

2-136 HP-UX Manual Citations

HP-UX Assembler Reference Manual and Supporting Documents

This reference manual describes how to use the **as10** and **as20** assemblers to produce programs for HP 9000 Series 300 computers.

Part number:	98597-90020
Spine title:	HP-UX Assembler Reference Manual and Supporting Documents
Systems:	300
Audience:	Assembly-language programmers
Tasks:	Consult this document to perform these tasks:
	Use the M68010/M68020/M68030 assembler
	 Practice with an ADB debugger tutorial
	 Learn the protocol for passing parameters in C, FORTRAN, and Pascal

Use atime (assembly timing facility)

MC68020 32-Bit Microprocessor User's Manual

Second Edition by Motorola, Inc.

This manual describes the MC68020 in full detail, including a definition of the instruction set, complete timing diagrams, and descriptions of the instruction cache, coprocessor interface, and addressing modes.

Part number:	98615-90606
Spine title:	MC68020 32-Bit Microprocessor User's Manual
Systems:	300
Audience:	Assembly-language programmers
Tasks:	Consult this document to perform these tasks:
	• Learn about the MC68020 architecture and instruction set

2-138 HP-UX Manual Citations

MC68881 Floating-Point Coprocessor User's Manual

First Edition by Motorola, Inc.

This manual describes the architecture and instruction set of the MC68881 floating-point coprocessor.

Part number:	98615-90607
Spine title:	MC68881 Floating-Point Coprocessor User's Manual
Systems:	300
Audience:	Assembly-language programmers
Tasks:	Consult this document to perform these tasks:
	• Learn about the MC68881 architecture and instruction set

Programming in BASIC

2-140 HP-UX Manual Citations

HP-UX Technical BASIC Programming Guide for HP 9000 Computers

This Guide describes how to develop Technical BASIC programs. It covers a range of topics from design algorithms through writing advanced BASIC programs. It provides programming techniques, helpful hints, explanations of capabilities, and many examples of BASIC algorithms.

Part number:	97068-90001
Spine title:	HP-UX Technical BASIC Programming Guide for HP 9000 Computers (in two volumes)
Systems:	300
Audience:	BASIC programmers
Tasks:	Consult this document to perform these tasks:
	• Learn general programming techniques for Technical BASIC
	 Use data types, branching, debugging, file access
	 Program with graphics

- Create graphics with HP Windows/9000
- Call C, FORTRAN, and Pascal from Technical BASIC



HP-UX Technical BASIC Getting Started Guide for HP 9000 Computers

This guide introduces you to the Technical BASIC system, which runs on the HP-UX operating system. It describes the mechanics of using the system to develop programs and provides references to the manuals describing the many features of the Technical BASIC language.

Part number:	97068-90010
Spine title:	HP-UX Technical BASIC Getting Started Guide for HP 9000 Computers
Systems:	300
Audience:	BASIC programmers
Tasks:	Consult this document to perform these tasks:
	• Enter the BASIC interpreter
	• Use the editor

• Study examples of how to access peripherals

2-142 HP-UX Manual Citations

Appendix: HP-UX Technical BASIC Implementation Specifics

This appendix describes the implementation-dependent features of the HP 9000 Sereis 200/300 and Series 500 Technical BASIC language. It contains information on numeric data ranges, proting techniques, variations in keyword/feature support, and new keywords and features.

Part number:	97068-90020
Spine title:	HP-UX Technical BASIC Language Reference, Volume 2
Systems:	300
Audience:	BASIC programmers
Tasks:	Consult this document to perform these tasks:
	 Identify implementation-specific features for Series 300 and 500

• Learn Technical BASIC differences from Integral PC

HP-UX Technical BASIC I/O Programming Guide for HP 9000 Computers

This manual covers input/output (I/O) programming techniques for HP-UX Technical BASIC. Included are descriptions of the I/O statements which can be used to establish, maintain, and control communication between a computer and its I/O resources.

Part number:	97068-90030
Spine title:	HP-UX Technical BASIC I/O Programming Guide for HP 9000 Computers
Systems:	300
Audience:	BASIC programmers
Tasks:	Consult this document to perform these tasks:
	 Perform device input/output operations
	Learn techniques for using the HP-IB and GPIO interfaces

2-144 HP-UX Manual Citations

HP-UX Technical BASIC Reference Manual for HP 9000 Computers

This manual serves as a reference forprogrammers who are experienced in HP-UX Technical BASIC. It includes:

- general information about BASIC keywords
- a dictionary of keywords, functions, and statements
- a glossary
- reference tables of character sets, system reset conditions, and graphic conditions
- tables of buffer status, interface status, and control registers
- error messages
- a list of BASIC keywords by function

Part number:	97068-90050
Spine title:	HP-UX Technical BASIC Reference Manual for HP 9000 Computers
Systems:	300
Audience:	BASIC programmers
Tasks:	Consult this document to perform these tasks:
	 Look up keywords in a dictionary
	 Read explanations of each Technical BASIC statement

HP-UX Technical BASIC Quick Reference Guide

This manual provides a brief description of the elements of HP-UX Technical BASIC, including:

- operators used to construct numeric and string expressions
- types of variables and files
- keywords used to construct functions, statements, program lines, and commands
- tables of frequently-needed information

Part number:	97068-90070
Spine title:	(no spine)
Systems:	300
Audience:	BASIC programmers
Tasks:	Consult this document to perform these tasks:
	• Consult a pocket-sized version of HP-UX Technical BASIC Reference Manual

2-146 HP-UX Manual Citations

Using the BASIC/UX System

This manual describes how to use BASIC/UX. It provides information on: entering and leaving BASIC/UX, using BASIC/UX windows, performing tasks with BASIC/UX, and using HP-UX commands in BASIC/UX.

Part number:	98796-90000
Spine title:	Using the BASIC/UX System
Systems:	300
Audience:	BASIC/UX Programmers
Tasks:	Consult this document to perform these tasks:
	Entering and Leaving BASIC/UX
	 Using BASIC/UX window commands
	 Reading the BASIC/UX screen and executing commands
	 Working with files, directories, and volumes
	 Editing a program and storing it on a disk
	 Loading and running programs
	 Using softkeys
	 Using HP-UX commands in BASIC/UX
	 Creating environment and autostart files
	 Working with LIF disks and the SRM
	 Using the ITF and terminal keyboard
	 Referencing the rmb command

BASIC/UX Compiler User's Manual

This manual provides the necessary information for using the BASIC/UX compiler for improving the performance of your interpreted BASIC/UX programs.

Part number:	98796-90005
Spine title:	BASIC/UX Compiler User's Manual
Systems:	300
Audience:	BASIC/UX Compiler User's Manual
Tasks:	Consult this document to perform these tasks:
	 Using the BASIC/UX compiler
	 Using BASIC/UX compiler directives
	 Improving compiled programs
	 Interpreting error and warning messages

• Troubleshooting compiled program problems

2-148 HP-UX Manual Citations

BASIC/UX Programming Techniques

This manual is intended to introduce you to the Series 300 BASIC/UX programming language, and to provide some helpful hints on getting the most utility from it. Although this manual assumes that you have had some previous programming experience, you need not have a high skill level, nor does your previous experience need to be BASIC/UX.

Part number:	98796-90010
Spine title:	BASIC/UX Programming Techniques Volume 1: General Topics Volume 2: Porting Information
Systems:	300
Audience:	BASIC/UX Programmers
Tasks:	Consult this document to perform these tasks:
	 Learning program structure and flow
	 Performing numeric computations
	 Using numeric arrays
	 Manipulating strings
	 Creating subprograms and user-defined functions
	 Storing and retrieving data
	Using a printer
	Using the clock and timer
	• Communicating with the operator
	 Handling errors
	 Debugging programs
	 Making efficient use of your computer's resources
	■ Porting to BASIC/UX

BASIC/UX Graphics Techniques

This manual introduces you to the powerful set of graphics statements in the BASIC/UX programming language, as well as it teaches you how to use them to produce pleasing output. This manual assumes you have read the first five chapters in the "BASIC/UX Programming Techniques: Volume 1" manual, and that you will refer to that manual when you encounter any programming topics you do not understand.

Part number:	98796-90020
Spine title:	BASIC/UX Graphics Techniques
Systems:	300
Audience:	BASIC/UX Programmers
Tasks:	Consult this document to perform these tasks:
	 Learning about graphics in BASIC/UX
	 Using graphics effectively
	 Using printers and plotters
	 Creating interactive graphics programs
	 Using interactive graphics input

- Using color in your graphics output
- Learning two- and three dimensional transformations

2-150 HP-UX Manual Citations

BASIC/UX Interfacing Techniques

This manual is intended to present the concepts of computer interfacing that are relevant to programming in BASIC/UX on HP Series 300 computers. This manual does not deal with computer architecture or hardware in general.

Part number:	98796-90030
Spine title:	BASIC/UX Interfacing Techniques Volume 1: General Topics Volume 2: Specific Interfaces
Systems:	300
Audience:	BASIC/UX Programmers
Tasks:	Consult this document to perform these tasks:
	 Learning interfacing concepts
	 Directing data flow
	 Outputting data
	Entering data
	 Using registers
	 Learning event-initiated branching
	 Using I/O path attributes
	 Transferring data
	Sending/receiving data to/from interfaces:
	🗆 display
	□ keyboard
	□ HP-IB
	\Box serial
	🗆 datacomm
	□ GPIO
	- HP-HIL

■ Using BASIC/UX in the X Window System

2-152 HP-UX Manual Citations

Installing and Maintaining the BASIC/UX System

This manual explains how to install BASIC/UX on the HP-UX operating system and once it is installed how configure and maintain it.

Part number:	98796-90040
Spine title:	Installing and Maintaining the BASIC/UX System
Systems:	300
Audience:	BASIC/UX Programmers
Tasks:	Consult this document to perform these tasks:
	Installing BASIC/UX on HP-UX
	 Backing-up files form a BASIC Workstation
	• Configuring your system for use with BASIC/UX

- Maintaining the BASIC/UX system
- Using BASIC/UX utilities



BASIC/UX Language Reference

This is a two volume manual that contains an alphabetical reference to all of the keywords currently available with the BASIC/UX language system. Each keyword is given a detailed description and examples are provided. The appendices in volume two of this manual provides information on: the language history, terminology used in the manual, interface registers, useful tables, error messages, and a keyword summary.

Part number:	98796-90050
Spine title:	BASIC/UX Language Reference
Systems:	300
Audience:	BASIC/UX Programmers
Tasks:	Consult this document to perform these tasks:
	 Reference BASIC/UX keywords
	 Look up BASIC/UX error messages

■ Reference BASIC/UX register information

2-154 HP-UX Manual Citations

BASIC/UX Condensed Reference

This is a pocket size manual that provides a brief description of BASIC/UX: data types, expression evaluation, graphics mapping, the color model, the HSL color model, keyword summary, error messages, and registers.

Part number:	98796-90060
Spine title:	(no spine)
Systems:	300
Audience:	BASIC/UX Programmers
Tasks:	Consult this document to perform these tasks:
	Learn about BASIC/UX data types
	\blacksquare Understand how expressions are evaluated in BASIC/UX
	 Understand simplified graphics mapping
	Learn the simplified color model
	■ Reference BASIC/UX keywords

- Look up BASIC/UX error messages
- Reference BASIC/UX register information

Developing CSUBs for BASIC/UX

This manual explains how to develop a compiled subprogram in Pascal, C, FORTRAN, or assembly language that is callable from BASIC/UX.

Part number:	98796-90095
Spine title:	(no spine)
Systems:	300
Audience:	BASIC/UX programmers
Tasks:	Consult this document to perform these tasks:
	 Write Pascal CSUBs
	 Write C and assembly CSUBs
	Write FORTRAN CSUBs
	 Use the CSUB Prototyper utility
	 Port Pascal Workstation assembly-language CSUBs
	 Reference file access library routines

■ Reference keyboard and CRT I/O routines

2-156 HP-UX Manual Citations

Programming in C

A Book on C

by Al Kelley and Ira Pohl

This book provides an introduction to programming in the C lanuage. Sample programs illustrate language features, and tables summarize key information. Each chapter ends with a summary (which reviews key elements) and exercises (which augment and extend the text).

Part number:	98597-90610
Spine title:	A Book on C
Systems:	300
Audience:	C programmers
Tasks:	Consult this document to perform these tasks:
	 Read a description of the C language
	 Practice with C tutorials
	Study C programming examples

■ Do exercises in C programming

2-158 HP-UX Manual Citations

C Programmer's Guide: HP 9000 Series 300 Computers

This manual describes essential elements of using HP's implementation of the C language on HP 9000 Series 300 computers. It offers an overview of C, describes C data types, and discusses how to optimize C programs using compiler options and directives.

Part number:	98794-90031
Spine title:	C Programmer's Guide: HP 9000 Series 300 Computers
Systems:	300
Audience:	C programmers
Tasks:	Consult this document to perform these tasks:
	Learn about other C documentation

- Learn about C data types and alignments
- **u** Use the optimizer

Programming in COBOL

2-160 HP-UX Manual Citations

COBOL/HP-UX Language Reference Manual

This manual describes COBOL/HP-UX, a programming language which is based on the ANSI COBOL standard X3.23-1985.

Part number:	35328-90001
Spine title:	COBOL/HP-UX Language Reference Manual (in two volumes)
Systems:	300/800
Audience:	COBOL programmers
Tasks:	Consult this document to perform these tasks:
	Look up COBOL commands and syntax



COBOL/HP-UX Operating Manual

This manual consists of three parts:

- Getting Started with COBOL/HP-UX: This is brief booklet which introduces COBOL/HP-UX to COBOL programmers.
- Operating Guide: This describes operating procedures for COBOL/HP-UX.
- Error Messages: This is a full listing of the error messages that programmers can receive when they submit source code to the COBOL/HP-UX compilers or Run-Time System.

Part number:	35328-90002
Spine title:	COBOL/HP-UX Operating Manual
Systems:	300/800
Audience:	COBOL programmers
Tasks:	Consult this document to perform these tasks:
	 Compile and run COBOL programs
	• Check error messages generated when compiling or run

 Check error messages generated when compiling or running COBOL programs

2-162 HP-UX Manual Citations

COBOL/HP-UX Animator/Forms-2 Manual

This manual contains four sections:

- Animator: This describes how to use the ANIMATOR facility for use in debugging.
- Forms-2: This describes how to use the FORMS-2 package to design, create, and edit interactive screen layouts for use with COBOL/HP-UX programs.
- Conversion-3 and Conversion-5: These describe how to process programs and data files from other COBOL systems for use with COBOL/HP-UX.

Part number: 35328-90003

Spine title:	COBOL/HP-UX Animator/Forms-2 Manual
Systems:	300/800
Audience:	COBOL programmers
Tasks:	Consult this document to perform these tasks:
	 Debug COBOL programs

- Design, create, and edit interactive screen layouts
- Convert COBOL programs to run under COBOL/HP-UX

COBOL/HP-UX Pocket Guide

This is a quick and compact summary of the essential information required when developing software in COBOL/HP-UX.

Part number:	35328-90012
Spine title:	COBOL/HP-UX Pocket Guide
Systems:	300/800
Audience:	COBOL programming
Tasks:	Consult this document to perform these tasks:

• Check COBOL commands, data structures, and syntax

2-164 HP-UX Manual Citations

Programming in FORTRAN

FORTRAN/9000 Reference

This manual describes all FORTRAN/9000 features and how to compile, link, and run FORTRAN/9000 programs. It also contains information on program optimization and porting to and from other FORTRAN 77 implementations. The manual is written for developers of FORTRAN applications in HP-UX.

Part number:	98598-90041
Spine title:	FORTRAN/9000 Reference
Systems:	300
Audience:	FORTRAN77 programmers
Tasks:	Consult this document to perform these tasks:
	• Learn the syntax and semantics of FORTRAN/9000
	 Study programming techniques with FORTRAN/9000

Compare FORTRAN/9000 and F77 for Series 300 and Series 500

2-166 HP-UX Manual Citations

Programming in Lisp

Common LISP: The Language

by Guy L. Steele, Jr.

This book describes a version of Lisp designed to be used as a common dialect by Lisp implementors.

Part number:	9320-6047
Spine title:	Common LISP: The Language
Systems:	300/800
Audience:	Lisp programmers
Tasks:	Consult this document to perform these tasks:
	 Learn about Lisp language constructs

Read a complete specification of Common Lisp

2-168 HP-UX Manual Citations

HP Common Lisp II Installation Guide

This manual provides the necessary directions for installing HP Common Lisp II.

Part number:	98688-90000
Spine title:	HP Common LISP II Installation Guide
Systems:	300
Audience:	Lisp programmers and HP-UX system administrators
Tasks:	Consult this document to perform these tasks:
	Install Common Lisp II

HP Common Lisp II User's Guide

This manual describes the HP Common Lisp II programming environment.

Part number:	98688-90010
Spine title:	HP Common Lisp II User's Guide
Systems:	300
Audience:	Lisp programmers
Tasks:	Consult this document to perform these tasks:
	Create programs in HP Common Lisp II

2-170 HP-UX Manual Citations

HP Common Lisp I & II: A Comparison

This manual provides a comparison of the features and functionality of HP Common Lisp I and HP Common Lisp II.

Part number:	98688-90030
Spine title:	HP Common Lisp I & II: A Comparison
Systems:	300
Audience:	Lisp programmers
Tasks:	Consult this document to perform these tasks:
	Read a comparison of Common Lisp I and Common Lisp II



HP Common Lisp II Reference Manual

THis manual serves as a reference to the functionality and features of HP Common Lisp II.

Part number:	98688-90050
Spine title:	HP Common Lisp II Reference Manual
Systems:	300
Audience:	Lisp programmers
Tasks:	Consult this document to perform these tasks:

• Find detailed reference information for Common Lisp II

2-172 HP-UX Manual Citations

Programming in Pascal

An Introduction to Programming and Problem Solving with Pascal

by G. Michael Schneider, Steven W. Weingart, and David M. Perlman

This book is an introductory Pascal programming course which presents the following topics: problem specification, algorithm development, top-down modular programming, structured coding, and program testing.

Part number:	09826-90072
Spine title:	An Introduction to Programming and Problem Solving with Pascal
Systems:	300
Audience:	Pascal programmers
Tasks:	Consult this document to perform these tasks:
	• Learn structured programming in Pascal through a tutorial
	 Study Pascal programming style guidelines

2-174 HP-UX Manual Citations

HP Pascal Language Reference

This manual is a language reference for HP Pascal. It includes a description for each of the keywords (reserved words and standard identifiers) recognized by HP Pascal. It offers additional information about permissible ranges for numeric values, restrictions on variable sizes, compiler options, system programming extensions, and error codes.

Part number:	98615-90053
Spine title:	HP Pascal Language Reference: HP 9000 Series 200/300
Systems:	300
Audience:	Pascal programmers
Tasks:	Consult this document to perform these tasks:
	 Look up Series 300 Pascal syntax and semantics
	Learn about the HP-UX implementation of Pascal

Using MS-DOS^R on HP-UX

2-176 HP-UX Manual Citations

DOS Coprocessor Software Installation Guide

This manual describes the procedures for installing and configuring the DOS Coprocessor software. It also describes new features of release 2.0 and provides a procedure for auto-booting DOS for users who want minimal involvement with HP-UX.

Part number:	98531-90005
Spine title:	DOS Coprocessor Software Installation Guide
Systems:	300
Audience:	DOS Coprocessor users
Tasks:	Consult this document to perform these tasks:
	Install the DOS Coprocessor software

Using the DOS Coprocessor

This manual describes how to use all of the features of the DOS Coprocessor. It also describes the fundamentals of using MS-DOS and provides instructions for using PAM (Personal Applications Manager) and MCS (Multiple Character Set utility). Configuration instructions for local language support are also provided.

Part number:	98531-90006
Spine title:	Using the DOS Coprocessor
Systems:	300
Audience:	DOS Coprocessor users
Tasks:	Consult this document to perform these tasks:
	Learn about DOS
	■ Use all the features of the DOS Coprocessor

- Configure the DOS Coprocessor to use HP-UX devices
- Localize DOS for native languages

2-178 HP-UX Manual Citations

SoftPC Installation Guide

This manual describes hardware and software requirements for using the SoftPC and provides procedures for installing it.

Part number:	98870-90000
Spine title:	(no spine)
Systems:	300/800
Audience:	SoftPC users
Tasks:	Consult this document to perform these tasks:

■ Install the SoftPC on HP 9000 computers

SoftPC User's Guide

This manual describes how to use all of the features provided with SoftPC, both in an X11 and a terminal environment. It also describes how to use PAM (Personal Applications Manager) and MCS (Multiple Character Set utility) and how to localize DOS for various languages.

Part number:	98870-90010
Spine title:	(no spine)
Systems:	300/800
Audience:	SoftPC users
Tasks:	Consult this document to perform these tasks:
	■ Install SoftPC
	■ Learn about DOS

- Use all the features of the SoftPC
- Configure the SoftPC to use HP-UX devices
- Localize DOS for native languages

2-180 HP-UX Manual Citations

Microsoft MS-DOS^R 3.3 Reference

This manual is a complete functional reference to MS-DOS 3.3, including commands, configuration options, batch file programming, utilities, and error messages.

Part number:	98870-90050
Spine title:	$\mathit{Microsoft}^{\mathrm{R}}$ $\mathit{MS-DOS}^{\mathrm{R}}$ 3.3 Reference
Systems:	300/800
Audience:	SoftPC and DOS Coprocessor users
Tasks:	Consult this document to perform these tasks:
	■ Look up DOS 3.3 commands

• Use DOS 3.3 utilities

Microsoft MS-DOS^R 3.3 Quick Reference

This manual is a quick syntax reference to MS-DOS 3.3 commands

Part number:	98870-90060
Spine title:	(no spine)
Systems:	300/800
Audience:	SoftPC and DOS Coprocessor users
Tasks:	Consult this document to perform these tasks:
	• Look up the syntax of DOS 3.3 commands

2-182 HP-UX Manual Citations



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HP Part Number 98594-90081

Printed in U.S.A. E0989



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