



Customer Documentation

Finding Your Way Around the DG/UX™ Documentation

Finding Your Way Around the DG/UX™ Documentation

069-701013-01

*For the latest enhancements, cautions, documentation changes, and
other information on this product, please see the Release Notice
(085-series) supplied with the software.*

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Finding Your Way Around the DG/UX™ Documentation

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A vertical bar (|) in the margin of the page indicates a substantive change from the previous revision.

Welcome...

...to the DG/UX™ system. This guide to the DG/UX documentation describes the various manuals that are available for use with the DG/UX system software. You can use the guide to determine which of the available manuals you own and which ones you might want to order, or you can use it to learn more about the content of a particular manual and how it can be of use to you. Ordering instructions are also provided.

NOTE: There are numerous manuals available with the DG/UX system and its related software products. Which manuals you possess depends upon the software combination you purchased. Please do not presume that you are supposed to have every manual described here; you may, however, order any of the described manuals.

This manual consists of two chapters and one appendix, as follows:

Chapter 1 This chapter covers all the manuals that describe the DG/UX system and its related software products.

First we give an overview of the manuals; then we break the manuals down into specific groups (such as DG/UX operating system manuals, DG/UX TCP/IP manuals, and NFS® manuals) and briefly describe each manual in the groups. You can refer to this listing to get a general idea of a book's contents. Chapter 1 also contains information on ordering manuals.

Chapter 2 This chapter provides a detailed task index. If you have a particular task you need to perform, you can look it up in the index and find out which manual and chapter you should consult. The index contains user, system administrator, and programmer tasks. It is useful when you first start using the system, or when you just need to look up a new task.

Appendix A Appendix A contains information that, in earlier versions of this manual, was in Chapter 2. It explains what manual pages are and how to use them. Readers unfamiliar with manual pages should read Appendix A before trying to use the task index in Chapter 2.

This manual is intended for all users of the DG/UX system. If you have comments on this manual, please use the prepaid Customer Documentation Comment Form that appears after the index.

Readers, Please Note

Data General manuals use certain symbols and styles of type to indicate different meanings. The Data General symbol and typeface conventions used in this manual are defined in the following list. You should familiarize yourself with these conventions before reading the manual.

This manual also presumes the following meanings for the terms "command line," "format line," and "syntax line." A command line is an example of a command string that you should type verbatim; it is preceded by a system prompt and is followed by a delimiter such as the curved arrow symbol for the New Line key. A format line shows how to structure a command; it shows the variables that must be supplied and the available options. A syntax line is a fragment of program code that shows how to use a particular routine; some syntax lines contain variables.

Convention	Meaning
boldface	In command lines and format lines: Indicates text (including punctuation) that you type verbatim from your keyboard. All DG/UX commands, pathnames, and names of files, directories, and manual pages also use this typeface.
constant width/ monospace	Represents a system response on your screen. Syntax lines also use this font.
<i>italic</i>	In format lines: Represents variables for which you supply values; for example, the names of your directories and files, your username and password, and possible arguments to commands.
\$ and %	In command lines and other examples: Represent the system command prompt symbols used for the Bourne and C shells, respectively. Note that your system might use different symbols for the command prompts.
♪	In command lines and other examples: Represents the New Line key, which is the name of the key used to generate a new line. (Note that on some keyboards this key might be called Enter or Return instead of New Line.) Throughout this manual, a space precedes the New Line symbol; this space is used only to improve readability — you can ignore it.

Contents

Chapter 1 — The DG/UX™ System Manuals

Manual Groups and Titles	1-2
Descriptions of Manuals	1-3
DG/UX Operating System Manuals	1-4
Manuals for Related Software Products	1-5
DG/UX TCP/IP Manuals	1-5
NFS Manuals	1-6
X Window System Manuals	1-6
Languages Manuals	1-7
DG/UX SNA Manuals	1-7
Documenter's Tool Kit (DTK) Manuals	1-8
How to Order Manuals	1-8

Chapter 2 — Using the Task Index for the DG/UX Manuals

How the Task Index Works	2-1
Manual Abbreviations Used in Task Index	2-2
Task Index	2-4

Appendix A — Using Man Pages

What's a Man Page?	A-1
Using the On-Line Man Pages	A-3

Tables

Table

2-1	List of Manuals and Abbreviations	2-2
A-1	Explanation of Man Page Suffixes	A-2

Chapter 1

The DG/UX™ System Manuals

This chapter introduces you to the manuals that describe the DG/UX system and its related software product family. You may not have all thirty-two of these manuals, as manuals are available in various combinations, depending on what software combination you purchase. Nevertheless, this chapter provides an overview of all the manuals so that you can see what manuals are available and, if you like, order ones that you do not have. You can also use this chapter to look up a specific manual to find out about its contents.

For presentation purposes, the manuals are organized here into seven groups, as listed below:

- 1. DG/UX Operating System Manuals**
- 2. DG/UX TCP/IP Manuals**
- 3. Network Filesystem (NFS®) Manual**
- 4. X Window System™ Manuals**
- 5. Languages Manuals**
- 6. DG/UX SNA Manuals**
- 7. Documenter's Tool Kit (DTK) Manuals**

NOTE: Remember, which books you possess depends on the combination of software that you purchased.

The upcoming section "Manual Groups and Titles" lists the names of the manuals in each of the seven groups. The first group lists manuals categorized as DG/UX operating system manuals. Please note that not all of these books come with the DG/UX operating system software; the first five manuals in this list do come with the software, but the remaining nine manuals must be ordered either individually or as part of another software combination package.

All of the remaining manuals are associated with products related to the DG/UX operating system. The DG/UX TCP/IP, NFS, X Window System, Languages, DG/UX SNA, and DTK products and their related manuals are available either individually or as part of a software package. For instructions on ordering individual copies of any of the manuals listed in this chapter, see the section "How to Order Manuals," at the end of this chapter.

Manual Groups and Titles

The purpose of this section is to give you an overview of the seven groups of manuals and the titles of the manuals in each group. Descriptions of each manual are provided in the following section. Ordering instructions are provided near the end of this chapter, in the section called "How to Order Manuals."

1. DG/UX Operating System Manuals

This group of manuals is divided into two subgroups. The first subgroup lists five manuals that come with any purchase of the DG/UX operating system software. The second subgroup lists nine manuals that come with certain combinations of software. Manuals in both subgroups can also be ordered separately.

Manuals That Come with the DG/UX Operating System Software

Finding Your Way Around the DG/UX™ Documentation
Using the DG/UX™ System
Using the DG/UX™ Editors
Learning the UNIX® Operating System
Installing and Managing the DG/UX™ System

Manuals That Come with Certain Software Combinations

User's Reference for the DG/UX™ System
System Manager's Reference for the DG/UX™ System
Programmer's Reference for the DG/UX™ System, Volume 1
Programmer's Reference for the DG/UX™ System, Volume 2
Using the DG/UX™ System Programming Tools
Porting Applications to the DG/UX™ System
Writing a Device Driver for the DG/UX™ System
STREAMS Primer for the DG/UX™ System
STREAMS Programmer's Guide for the DG/UX™ System

2. DG/UX TCP/IP Manuals

These manuals pertain to the DG/UX TCP/IP product. They come automatically with the TCP/IP software and can also be ordered individually.

Using DG/UX™ TCP/IP
Installing and Managing DG/UX™ TCP/IP
Programming with DG TCP/IP (DG/UX™)

3. NFS Manual

This manual comes with the NFS product and can also be ordered individually.

Managing NFS® and Its Facilities on the DG/UX™ System

Manual Groups and Titles

4. X Window System Manuals

These manuals come with software combinations that include the X Window System; they also can be ordered individually.

X Window System User's Guide
Xlib Programming Manual
Xlib Reference Manual

5. Languages Manuals

These manuals pertain to the C, FORTRAN, and Pascal languages as used by the DG/UX system. They come with languages software packages and can be ordered individually.

C: A Reference Manual
Green Hills Software User's Manual C-88000
Green Hills Software User's Manual Fortran-88000
Green Hills Software User's Manual Pascal-88000

6. DG/UX SNA Manuals

These manuals are for use with the DG/UX SNA product. They can be purchased as part of a package or individually.

Using DG/UX™ SNA/3270
Managing DG/UX™ SNA/3270
Programmer's Reference for DG/UX™ SNA/3270 API
Using DG/UX™ SNA/RJE
Managing DG/UX™ SNA/RJE

7. DTK Manuals

The DTK manuals are for use with the Documenter's Tool Kit software and are available as part of a package or individually.

Using the Documenter's Tool Kit on the DG/UX™ System
Documenter's Tool Kit Technical Summary for the DG/UX™ System

Descriptions of Manuals

This section gives a brief description of each available manual. Each manual's nine-digit ordering number is shown in parentheses after the title. (Use this number to order manuals via telephone or mail order.) For more information on ordering manuals, see the section "How to Order Manuals," near the end of this chapter.

DG/UX Operating System Manuals

These manuals directly relate to the DG/UX operating system. The manuals are grouped according to intended audience. Refer back to the previous section, "Manual Groups and Titles," to determine whether a manual comes with the DG/UX operating system software or with a certain software combination.

Manuals for All Readers:

- *Finding Your Way Around the DG/UX™ Documentation* (069-701013): This is the manual you are currently reading. Its purpose is to orient readers to the DG/UX documentation set and provide ordering instructions. It also contains an index of tasks that users might perform; the index guides readers to the appropriate manual and chapter. This manual also describes the manual pages and tells how to use them.

Manuals for General Users:

- *Using the DG/UX™ System* (069-701035): Serves as the main user's guide for the DG/UX system. It describes the DG/UX system and its major features, such as the C shell, the Bourne shell, the file system, and **mailx**.
- *Using the DG/UX™ Editors* (069-701036): Describes the text editors **vi** and **ed**, and the batch editor **sed**. This manual also describes the command line editor **editread**, which is unique to the DG/UX system.
- *User's Reference for the DG/UX™ System* (093-701054): Contains an alphabetical listing of manual pages for all the user-level commands.
- *Learning the UNIX® Operating System* (069-701042): Provides a simple, step-by-step tutorial to help you learn the fundamentals of any UNIX operating system. This manual is for beginning users who are unfamiliar with UNIX operating systems.

Manuals for System Administrators:

- *Installing and Managing the DG/UX™ System* (093-701052): Describes how to install and administer a DG/UX system. It describes menu-driven installation and administration of DG/UX systems using the **sysadm** program.
- *System Manager's Reference for the DG/UX™ System* (093-701050): Contains an alphabetical listing of manual pages for commands relating to system administration or operation.

Manuals for Programmers:

- *Using DG/UX™ System Programming Tools* (093-701048): Provides the complete guide to programming on the DG/UX system. It discusses programming support tools such as the file processing languages **awk** and **nawk**, the lexical analyzer **lex**, the compiler-compiler **yacc**, the link editor **ld**,

the syntax checker **lint**, and the DG/UX macroassembler **as**. It also covers interprocess communications, archiving, the C language, SCCS (Source Code Control System), and COFF (Common Object File Format).

- *Programmer's Reference for the DG/UX™ System*, Volume 1 (093-701055) and Volume 2 (093-701056): Contain alphabetical listings of manual pages for commands relating to programming on the DG/UX system. They include information on system calls, file formats, subroutines, and libraries.
- *Porting Applications to the DG/UX™ System* (069-701059): Discusses the process of getting programs from non-Data General UNIX systems to run under the DG/UX system. It gives numerous examples of how to solve common porting problems.
- *Writing a Device Driver for the DG/UX™ System* (093-701053): Shows you how to write an I/O control program (device driver) for a peripheral device. This manual also includes information on the SCSI adapter.
- *STREAMS Primer for the DG/UX™ System* (069-701033): Serves as the "starter" manual for STREAMS development. This manual defines STREAMS (a set of tools for development of DG/UX system communications services), tells you how to build a stream, and discusses user-level and kernel-level functions.
- *STREAMS Programmer's Guide for the DG/UX™ System* (069-701034): Describes the development methods and design philosophy of all aspects of STREAMS.

Manuals for Related Software Products

The following manuals document software products that are used in combination with the DG/UX operating system. These manuals come with the software products they describe and are available separately and in certain software combinations. They do not come automatically with the basic DG/UX operating system software.

DG/UX TCP/IP Manuals

DG/UX TCP/IP is a communications software package that runs on the DG/UX system. It consists of several user-level protocols and commands that allow you to transfer files, send mail, log in to remote systems, and perform general networking tasks.

- *Using DG/UX™ TCP/IP* (093-701023): Introduces you to the basic components of the DG/UX TCP/IP communications package. It discusses how to use the various interface programs (Telnet, FTP, TFTP, Sendmail, and UDP) for TCP/IP.
- *Installing and Managing DG/UX™ TCP/IP* (093-701051): Describes how to install and manage components of DG/UX TCP/IP, including Sendmail

Descriptions of Manuals

installation and configuration. It also describes some handy administrative techniques.

- *Programming with DG TCP/IP (DG/UX™)* (093-701024): Describes how to program with the TCP and IP protocols and UDP interfaces. It contains DG/UX system manual pages that have been revised to document features specific to TCP/IP.

NFS Manuals

NFS (Network Filesystem) is a distributed file system product that runs on the DG/UX system. It provides access to files on different systems on a local area network.

- *Managing NFS® and Its Facilities on the DG/UX™ System* (093-701049): Describes the NFS product, which allows you to access directories and files across a network as if they were local. The manual discusses how to use, program, administer, and install NFS clients and servers. It is primarily a reference for system administrators and programmers, but it also contains helpful information for general users.

X Window System Manuals

The X Window System is a software package ported to the DG/UX system that allows you to use windowing on your workstation. The X Window System supports overlapping windows, subwindows, and text and graphics information within windows.

- *X Window System User's Guide* (069-100229): Describes basic components of the X Window System. It contains a tutorial about the basics of windowing (for example, creating windows and starting the window manager) and describes how to use the **uwm** window manager and the **xterm** terminal emulator. The manual tells you how to customize X and also contains reference pages pertaining to the X Window System.
- *Xlib Programming Manual* (069-100227): Describes the X Library (**xlib**) and how to use it. **xlib** is a programming interface to X that allows you to write applications based on windows on the screen. The manual is tutorial in nature and is task-oriented in describing **xlib** functions and how they are used in writing applications.
- *Xlib Reference Manual* (069-100228): Alphabetically lists and describes each of the **xlib** functions. The functions are listed as typical UNIX reference pages. This manual was designed to be used with the *Xlib Programming Manual* (described above).

Languages Manuals

This group of documentation pertains to the C, FORTRAN, and Pascal programming languages.

- *C: A Reference Manual* (069-100226): Describes all aspects of the C programming language. It is intended to be a reference manual, not a tutorial. The manual describes lexical structure, the preprocessor, declarations, types, expressions, statements, functions, programs, and the run-time libraries.
- *Green Hills Software User's Manual C-88000* (069-100230): Describes how the C language is different when you use it on a system with a Motorola 88000 processor.
- *Green Hills Software User's Manual Fortran-88000* (069-100231): A reference manual that describes all aspects of the FORTRAN programming language. This manual also describes how FORTRAN is different when you use it on a system with a Motorola 88000 processor.
- *Green Hills Software User's Manual Pascal-88000* (069-100232): A reference manual that describes all aspects of the Pascal programming language. This manual also describes how Pascal is different when you use it on a system with a Motorola 88000 processor.

DG/UX SNA Manuals

DG/UX SNA/3270 (Systems Network Architecture) is a software product that runs on the DG/UX system and emulates the functions and features of an IBM® 3274-C Series Information Display System SNA cluster controller and its attached IBM 3278 Model 2 Display Stations and IBM 3287 printers. This product allows a DG/UX system to communicate with an IBM host over an SNA network.

DG/UX SNA/RJE is a software product that emulates the IBM 3770 Data Communication System, which is a family of terminals and attachable input/output devices configured as SNA Remote Job Entry (RJE) workstations. DG/UX SNA/RJE emulates most features of the IBM 3776 or 3777 Model 3 and Model 4 Communication Terminals, which are SNA Multiple Logical Unit devices.

- *Using DG/UX™ SNA/3270* (069-701030): Tells you how to use the DG/UX SNA/3270 **te3278** terminal emulator and the **pe3287** printer emulator.
- *Managing DG/UX™ SNA/3270* (069-701044): Tells you how to manage the DG/UX SNA/3270 terminal and printer emulation software, the SNA controller emulator, and the Synchronous Data Link Control (SDLC) line.
- *Programmer's Reference for DG/UX™ SNA/3270 API* (069-701045): Shows how to incorporate Application Program Interface (API) function calls into C language programs so that the programs can replicate the functions of a 3278 terminal. This manual is for experienced programmers.

Descriptions of Manuals

- *Using DG/UX™ SNA/RJE* (069-701031): Shows you how to use the workstation emulation features of DG/UX SNA/RJE to send batch jobs to an IBM host.
- *Managing DG/UX™ SNA/RJE* (069-701046): Shows you how to manage DG/UX SNA/RJE emulation software, the SNA controller emulator, and the SDLC line.

Documenter's Tool Kit (DTK) Manuals

DTK is a set of programs that allow you to arrange and modify text. Using the DTK tools, you can format text, create drawings and tables, set up equations, and prepare typeset-quality documents.

- *Using the Documenter's Tool Kit on the DG/UX™ System* (069-701039): Tells you how to use the major DTK tools, including **nroff** (the text formatter for line printers), **troff** (the text format for typeset text), **pic** (for drawing pictures), and **tbl** (the program that produces formatted tables).
- *Documenter's Tool Kit Technical Summary for the DG/UX™ System* (069-701041): Provides a more technical discussion of the DTK tools. Also contains reference pages pertinent to DTK. This manual is intended as a reference manual.

How to Order Manuals

Manuals can be ordered by telephone or mail order through Data General's Technical Information and Publications Service (TIPS). At the back of this manual are a list of TIPS Ordering Procedures and a TIPS Order Form. Instructions are provided for placing telephone and mail orders.

NOTE: On the TIPS Order Form there is a section labeled "Order #." This is where you write the manual's nine-digit order number. You can find each manual's order number in the section of this chapter called "Descriptions of Manuals." The order numbers are shown in parentheses after each manual title.

End of Chapter

Chapter 2

Using the Task Index for the DG/UX Manuals

This chapter contains a task index for the DG/UX system and related software manuals. You can use it to determine which manuals and chapters contain task-related information you are seeking. Before using the index, you should carefully read this preceding introductory material.

NOTE: This chapter contains information related to manual pages (commonly known as man pages). If you are unfamiliar with man pages and how to read them, refer to Appendix A before trying to use the task index.

How the Task Index Works

The index entries are primarily task oriented. For example, to find out how to view the contents of a file, you could look in the index for an entry called "Viewing a file." And, because all task-oriented entries are also cross referenced by keywords (usually associated with an action), you could also look up "File, viewing."

The index entries have the following format:

File, viewing.....	Using.....	Chapter1
	Userref.....	cat(1)

The far left column lists tasks and keywords. The center column lists an abbreviation for the manual that contains a description of that task (see Table 2-1 for definitions of abbreviations used). The right column lists specific chapters you can refer to; for the reference manuals, we list the actual man page in which the task is described. If you don't know what a man page is or how to access one, see Appendix A of this manual.

NOTE: Some entries have a blank space in the righthand column where you would normally find a chapter reference. These entries usually indicate a topic that is covered almost exclusively in one manual. The topic generally cannot be broken down into any more tasks. A good example is the "Fortran language, description of" entry. For this entry, we refer you to *Green Hills Software User's Manual Fortran-88000* only.

Manual Abbreviations Used in Task Index

For brevity, each manual title has been shortened to a one-word abbreviation. Table 2-1 lists the abbreviations and the manuals they represent.

Table 2-1 List of Manuals and Abbreviations

Abbreviation	Manual Title
Install	<i>Installing and Managing the DG/UX™ System</i>
Finding	<i>Finding Your Way Around the DG/UX Documentation</i>
Using	<i>Using the DG/UX™ System</i>
Editors	<i>Using the DG/UX™ System Editors</i>
Device	<i>Writing a Device Driver for the DG/UX™ System</i>
Porting	<i>Porting Applications to the DG/UX™ System</i>
Tools	<i>Using DG/UX™ System Programming Tools</i>
Userref	<i>User's Reference for the DG/UX™ System</i>
Sysref	<i>System Manager's Reference for the DG/UX™ System</i>
Progref(1)	<i>Programmer's Reference for the DG/UX™ System (Volume 1)</i>
Progref(2)	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
Learning	<i>Learning the UNIX® Operating System</i>
NFS	<i>Managing NFS® and Its Facilities on the DG/UX™ System</i>
TCP/IP(I)	<i>Installing and Managing DG/UX™ TCP/IP</i>

(continued)

Manual Abbreviations Used in Task Index

Abbreviation	Manual Title
TCP/IP(U)	<i>Using DG/UX™ TCP/IP</i>
TCP/IP(P)	<i>Programming With DG TCP/IP (DG/UX™)</i>
DTK(U)	<i>Using the Documenter's Tool Kit on the DG/UX™ System</i>
DTK(T)	<i>Documenter's Tool Kit Technical Summary for the DG/UX™ System</i>
Streams	<i>STREAMS Primer for the DG/UX™ System</i> <i>STREAMS Programmer's Guide for the DG/UX™ System</i>
X(U)	<i>X Window System User's Guide</i>
X(P)	<i>Xlib Programming Manual</i>
X(R)	<i>Xlib Reference Manual</i>
C-ref	<i>C: A Reference Manual</i>
C-88	<i>Green Hills Software User's Manual C-88000</i>
Fortran-88	<i>Green Hills Software User's Manual Fortran-88000</i>
Pascal-88	<i>Green Hills Software User's Manual Pascal-88000</i>

(concluded)

Task Index

A

ASA characters, interpreting	Progref(1) ... asa(1)
Access permissions to file	Using Chapter8
	Userref chmod(1)
	chgrp(1)
	chown(1)
	umask(1)
Accessing user address space	Device Chapter7
Accounting, managing	Install Chapter5
	Sysref acctcms(1M)
	acctprc1(1M)
	chargefee(1M)
Adding	
device driver	Device Chapter2
diskless clients	Install Chapter2,6
entry to master file	Install AppendixA
	Progref(2) ... master(4)
	Device Chapter2
entry to system file	Install Chapter2,4
	Progref(2) ... system(4)
	Device Chapter2
file systems	Install Chapter8
hosts to the network	Install Chapter13
mail aliases	Install Chapter14
networks	Install Chapter13
printers	Install Chapter11
software package	Install Chapter5
terminals (ttys)	Install Chapter2,10
user accounts	Install Chapter14
Addresses, Internet	TCP/IP(I) ... Chapter2
Aliases	
adding	Install Chapter14
mail group	Using Chapter10
using in C shell	Using Chapter6

Archive file	
copying in and out	Userref cpio(1)
creating	Progref(1) ... ar(1)
dumping	Userref att_dump(1)
Archiving files	Tools Chapter15,16,17
Progref(1) ... ar(1)	
Progref(2) ... ascii(5)	
Assembler program, using	Tools Chapter11
Progref(1) ... as(1)	
Asynchronous I/O requests, servicing	Device Chapter4
Awk programming language	Tools Chapter6

B

Background commands	
executing	Using Chapter7
switching to foreground (C shell)	Using Chapter6
Backing up the system	Sysref filesave(1M)
Backup tapes, recovering files from	Install Chapter8
	Sysref freq(1M)
	restore(1)
Bad blocks, identifying	Install Chapter2,7
Batch editor (sed)	Editors Chapter4
	Userref sed(1)
Batch job	
submitting	Using Chapter7
	Userref at(1)
	batch(1)
terminating	Using Chapter7
	Userref kill(1)
BCS compliance, description of	Porting Chapter1,11
Beginner's tutorial	Learning
	Userref starter(1)
Beginner user information	Using Chapter1,2
	Userref starter(1)
Binary for a file, locating	Userref whereis(1)
Blocks, reporting number of free blocks	Sysref df(1M)

Task Index

Booting

kernel	Install	Chapter2,3
starter system	Install	Chapter2
Bourne shell variables, using	Using	Chapter5
Bourne shell		
description of	Using	Chapter3,4
Userref	sh(1)	
programming in	Using	Chapter13
using	Using	Chapter4,5
Broadcasting messages to all system users ...	Install	Chapter1
	Sysref	wall(1M)
Building a kernel	Install	Chapter2,4

C

C language, description of	C-88	
	Cref	
C language compiler		
description of	Tools	Chapter1
Progref(1) ... cc(1)		
invoking	Progref(1) ... cc(1)	
C language preprocessor	Progref(1) ... cpp(1)	
C program checker	Tools	Chapter9
	Progref(1) ... lint(1)	
C program debugger, using	Tools	Chapter13
	Progref(1) ... ctrace(1)	
C shell variables, using	Using	Chapter6
C shell		
description of	Using	Chapter3,4
Userref	csh(1)	
programming in	Using	Chapter14
using	Using	Chapter4,6
Cancelling		
print job	Using	Chapter9
	Userref	lp(1)
C shell jobs and other processes	Using	Chapter6,7
	Userref	kill(1)
Changing root directory	Sysref	chroot(1M)

Changing working directory	Using	Chapter8
	Userref	cd(1)
Changing your password	Using	Chapter2
	Userref	passwd(1)
Choosing your password	Using	Chapter2
Clearing the terminal screen	Userref	clear(1)
Clients, adding diskless	Install	Chapter
Clock, system	Progref(2) ...	clock(3C)
COFF, description of	Tools	Chapter10
Command line		
composing	Using	Chapter4
executing	Using	Chapter4
editing (using editread)	Editors	Chapter1
format of	Using	Chapter1
Commands		
administrator, listing of	Sysref	
delaying execution of	Userref	sleep(1)
executing at lower priority	Userref	nice(1)
executing at specified time	Sysref	renice(1M)
executing in background	Using	Chapter7
executing on a remote system	Sysref	cron(1M)
executing sequentially	Using	Chapter6,7
executing when logged out	Using	Chapter11
grouping	Userref	uux(1)
programmer, listing of	Using	Chapter7
substituting	Using	Chapter4
typing in	Learning	Chapter2
user, listing of	Userref	
Common Object File Format (see COFF)		
Communicating between processes	Tools	Chapter4
Communicating with another user	Using	Chapter10
	Userref	mailx(1)
		write(1)
Communicating with another UNIX system	Using	Chapter11
	Userref	cu(1)
		uucp(1)

Task Index

Communications board parameters, setting .	TCP/IP(I) ... Chapter3	
Comparing directories	Userref dircmp(1)	
Comparing files	Using Chapter9	
	Userref grep(1)	
	cmp(1)	
	diff(1)	
Compiler		
C language, description of	Progref(1) ... cc(1)	
C language, loading	Install Chapter2	
Pascal language	Progref(1) ... pc(1)	
SNOBOL	Progref(1) ... sno(1)	
compiling	Tools Chapter8	
FORTRAN77	Progref(1) ... f77(1)	
for regular expressions	Progref(1) ... regcmp(1)	
terminfo	Sysref tic(1M)	
	Tools Chapter5	
Configuration error messages	Install Chapter4	
Configuration variables, setting	Install Chapter4	
Configuring		
a device	Install Chapter2,4 AppendixA	
	Device Chapter4,8	
printers	Install Chapter10 lpadmin(1M)	
	sendmail	
	the DG/UX system	TCP/IP(I) ... Chapter5 Install Chapter2,4 Sysref config(1M)
Connecting to a remote system	Using Chapter11	
Controlling C shell jobs	Using Chapter6	
Controlling processes	Using Chapter7	
Converting termcap to terminfo description	Sysref captoinfo(1M) Tools Chapter5	
Converting units of measure	Userref units(1)	
Copying a file system	Sysref volcopy(1M)	
Copying a file	Using Chapter8 Userref cp(1)	
Copying a file to another UNIX system	Using Chapter11 Userref uucp(1)	
Copying a logical disk	Install Chapter7	
Core dump, analyzing	Sysref crash(1M)	

Correcting typing mistakes	Using	Chapter2
	Learning	Chapter1
Counting words, lines, and characters in a file	Using	Chapter9
	Userref	wc(1)
Crash, information on system crash	Sysref	crash(8)
Creating		
a directory	Using	Chapter8
	Userref	mkdir(1)
a file	Using	Chapter2,9
	Userref	cat(1)
a file system	Install	Chapter2,7
	Sysref	mkfs(1M)
a logical disk	Install	Chapter7
a special file	Sysref	mknod(1M)
error message files	Progref(1) ...	mkstr(1)
processes	Tools	Chapter2
Ctags, description of	Using	Chapter8

D

DG/UX operating system, description	Using	Chapter1
Date and time		
displaying system	Using	Chapter2
	Userref	date(1)
setting	Install	Chapter4
Debuggers		
file system	Sysref	fsdb(1M)
for C programs	Progref(1) ...	ctrace(1)
mxdb	Progref(1) ...	mxdb(1)
	Tools	Chapter14
sdb	Tools	Chapter14
	Progref	sdb(1)
Debugging programs, overview	Tools	Chapter1,14
Defense Data Network, description of	TCP/IP(I) ...	AppendixB
Defining		
TTY default setting	Install	Chapter10
installation terms	Install	Chapter2
Delaying command execution	Userref	sleep(1)

Task Index

Deleting	
directory	Using Chapter8 Userref rm(1)
file	Using Chapter8 Userref rm(1)
file system	Install Chapter8
hosts from the network	Install Chapter13
logical disk	Install Chapter7
mail aliases	Install Chapter14
printers	Install Chapter11
software package	Install Chapter5
TTY	Install Chapter10
user accounts	Install Chapter14
Device code, description of	Install AppendixA
Device driver	
adding to system	Install Chapter2,4 AppendixA
Device	Chapter2
sample code for	Device AppendixA
Device number, definition	Device Chapter3
Device special file, description	Install AppendixA Device Chapter1
Device	
configuration for	Device Chapter2 Install Chapter4
hardware interrupts	Device Chapter1

Directories

access to	Using	Chapter8
	Userref	chmod(1)
		chgrp(1)
		chown(1)
		umask(1)
changing current	Using	Chapter8
	Userref	cd(1)
changing root	Sysref	chroot(1M)
comparing	Userref	dircmp(1)
creating	Using	Chapter8
	Userref	mkdir(1)
definition	Using	Chapter1
deleting	Using	Chapter8
	Userref	rm(1)
display current directory	Using	Chapter8
	Userref	pwd(1)
finding	Using	Chapter8
	Userref	find(1)
listing contents	Using	Chapter8
	Userref	ls(1)
log-in	Using	Chapter2
moving	Sysref	mvdir(1M)
Disk accounting information, generating	Sysref	diskusg(1M)
Disk management, information on	Install	Chapter6
Diskless clients		
adding to system	Install	Chapter2,6
adding TCP/IP to	TCP/IP(I) ...	Chapter3
Disks		
logical	Install	Chapter7
	Sysref	diskman(1M)
physical	Install	Chapter7
	Sysref	diskman(1M)
Drawing figures	DTK(U)	pic tutorial
Dump, analyzing a core	Sysref	crash(1M)
Dumping an archive file	Userref	att_dump(1)
Dumping file in octal format	Userref	od(1)
Dumping system to tape	Install	Chapter3,8
	Sysref	dump(1M)

Task Index

E

Echoing arguments to screen	Using	Chapter5,6,13
	Userref	echo(1)
Ed line editor	Editors	Chapter3
	Userref	ed(1)
Editor		
command line	Editors	Chapter1
ed	Editors	Chapter3
Userref	ed(1)	
editread	Editors	Chapter1
ex	Editors	Chapter2
Userref	ex(1)	
full-screen	Editors	Chapter2
line	Editors	Chapter3
sed	Editors	Chapter4
Userref	sed(1)	
vi	Editors	Chapter2
Userref	vi(1)	
Editread		
command line editor	Editors	Chapter1
using	Editors	Chapter1
initializing	Using	Chapter3
Environment, user	Using	Chapter2,3
	Userref	printenv(1)
Equations, creating and formatting	DTK(U)	eqn tutorial
Error daemon, for device driver	Device	Chapter8
Errno error messages	Install	AppendixC
Error handling in programs	Tools	Chapter2
Error message files, creating	Progref(1) ...	mkstr(1)

Error messages

changing or adding	Sysref	ermes_editor(1M)
configuration	Install	Chapter4
for system calls	Progref(1) ...	intro(2)
ftp	TCP/IP(U) .	AppendixA
logging	Sysref	errdemon(1M)
		errpt(1M)
		errstop(1M)
lp system	Install	AppendixC
Evaluating an expression	Using	Chapter9
	Userref	expr(1)
Eventcounters, using	Device	Chapter6
Ex last line mode	Editors	Chapter2
	Userref	ex(1)
Executing jobs at off hours	Sysref	cron(1M)
Expressions, evaluating	Using	Chapter9
	Userref	expr(1)
External data representation (XDR)	NFS	Chapter9

F

Figures, drawing	DTK(U)	pic tutorial
File access and ownership, setting	Install	Chapter4
	Sysref	chmod(1M)
File archives, copying in and out	Userref	cpio(1)
File formats, description of	Progref(2) ...	Chapter4
File status, evaluating	Using	Chapter13
	Userref	test(1)
File system debugger	Sysref	fsdb(1M)
File system entry		
adding	Install	Chapter8
modifying	Install	Chapter8

Task Index

File system	
copying	Sysref
checking (fsck)	Install
	Sysref
creating	Install
	Sysref
debugging	Sysref
definition of	Install
deleting	Install
listing	Install
managing (system administrator)	Install
managing	Using
mounting	Install
	Sysref
repairing damaged	Install
restoring	Install
	Sysref
tuning	Install
	Sysref
using	Using
File Transfer Protocol (FTP)	TCP/IP(U) .
error messages	TCP/IP(U) .
Filenames, substituting in command line	Using
Files	
.cshrc	Using
.login	Using
access permissions	Using
	Userref
	chmod(1)
	chgrp(1)
	chown(1)
	umask(1)
classifying	Userref
comparing	Using
	Userref
	grep(1)
	cmp(1)
	diff(1)
converting to upper and lowercase	Userref
copying	Using
	Userref

copying to other UNIX system	Using	Chapter11
	Userref	uucp(1)
counting words, lines, and characters in.....	Using	Chapter9
	Userref	wc(1)
creating	Using	Chapter2,9
	Userref	cat(1)
creating for link editor	Progref(1) ...	ar(1)
deleting	Using	Chapter8
	Userref	rm(1)
difference between two	Using	Chapter9
	Userref	diff(1)
		grep(1)
finding location of	Using	Chapter8
	Userref	find(1)
joining two sorted	Using	Chapter9
	Userref	join(1)
link to	Using	Chapter8
listing	Using	Chapter8
	Userref	ls(1)
locating source/binary for	Userref	whereis(1)
locking	Tools	Chapter3
managing revisions of	Tools	Chapter15,16,17
merging (concatenating)	Using	Chapter9
	Userref	cat(1)
merging files with columns	Userref	cut(1)
		paste(1)
		merge(1)
moving	Using	Chapter9
	Userref	cp(1)
naming	Using	Chapter2
numbering lines in	Userref	nl(1)
numbering lines temporarily	Editors	Chapter2
permissions to	Using	Chapter8
	Userref	chmod(1)
		chgrp(1)
		umask(1)
		chown(1)
printing hardcopy	Using	Chapter9
	Userref	lp(1)

Task Index

recovering from backup tape	Install	Chapter7
	Sysref	restore(1M) frec(1)
saving to magnetic tape	Userref	tar(1)
searching for pattern in	Using	Chapter9
	Userref	grep(1)
sending	Using	Chapter11
	TCP/IP(U) .	Chapter6,ftp(1C)
	Userref	mail(1) uucp(1)
sorting	Using	Chapter9
	Userref	sort(1)
splitting	Using	Chapter9
	Userref	split(1) bfs(1)
translating characters in	Using	Chapter9
	Userref	tr(1)
viewing	Using	Chapter9
	Userref	cat(1) more(1) head(1) tail(1) pr(1)
Finding a file	Using	Chapter8
	Userref	find(1)
Floppy disks, saving and restoring files on ..	Userref	lfd(1)
Formatting		
a physical disk	Install	Chapter7
equations	DTK(U)	eqn tutorial
tables	DTK(U)	tbl tutorial
text	DTK(U)	nroff tutorial troff tutorial
FORTRAN conversion, ratfor	Progref(1) ...	ratfor(1)
FORTRAN language, description of	Fortran-88	
FORTRAN77 files, splitting	Progref(1) ...	fsplit(1)
FORTRAN77, compiling	Progref(1) ...	f77(1)
FTP, using	TCP/IP(U) .	Chapter3
Full-screen editor vi	Editors	Chapter2

G

Getting started Using Chapter2
Graphics applications, porting Porting Chapter10
Grouping commands Using Chapter7

H

Hawk Local Area Network, description of . TCP/IP(I) ... Chapter3,5
Header files, for libraries Tools Chapter2,10
Help facility, making changes to Sysref helpadm(1M)
Help
 ASSIST facility Using Chapter2
 man pages Using Chapter2
 Userref help(1)
 glossary(1)
 on-line Using Chapter2
 Userref locate(1)
 man(1)
History facility, using Using Chapter6
Editors Chapter1
Hostnames, setting TCP/IP(I) ... Chapter3
Hosts, adding to network Install Chapter13

I

I/O architecture, description Device Chapter1
I/O channel, managing Device Chapter7
I/O interfaces
 block special Device Chapter1
 Install AppendixA
 character special Device Chapter1
 Install AppendixA
 description of Device Chapter3
IAC board, loading and resetting Sysref iacload(1M)
ID, printing user and group Userref id(1)

Task Index

Identifying bad blocks	Install	Chapter7
Include files for device driver	Device	Chapter3
Industry standards, definition of	Porting	Chapter1
Initializing and controlling processes	Sysref	init(1M)
Initializing physical disks	Install	Chapter7
Initializing, performed by driver	Device	Chapter4
Input and output		
controlling for terminal	Tools	Chapter5
definition of	Using	Chapter4
redirecting	Using	Chapter4,5,6
Installation terms, definition of	Install	Chapter2
Installing sendmail	TCP/IP(I) ...	Chapter3,5
Installing TCP/IP	TCP/IP(I) ...	Chapter3
Install	Chapter2	
Internet addresses, information about	TCP/IP(I) ...	Chapter2
Interprocess communication, description of	Tools	Chapter4
Interrupts		
handling	Device	Chapter1,4,6
hardware	Device	Chapter1

J

Job control, C shell only	Using	Chapter6
Joining two sorted files	Using	Chapter9
	Userref	join(1) cut(1) paste(1)

K

Kernel

booting	Install	Chapter2,3
building	Install	Chapter2,4
identifying device to	Device	Chapter2

Killing

all open processes	Sysref	killall(1M)
job (C shell)	Using	Chapter6
process	Using	Chapter7

Userref kill(1)

L

LP information	Install	Chapter11
	Sysref	lpadmin(1M)
LP system error messages	Install	AppendixC
Language, awk	Tools	Chapter6
Languages, overview of special purpose	Tools	Chapter1
Lexical analysis of programs	Tools	Chapter7
	Progref(1) ... lex(1)	
Libraries		
description of	Progref(2)	
math	Tools	Chapter2
	Userref	bc(1)
		dc(1)
object file	Tools	Chapter2
summary of	Tools	Chapter2
Line discipline, defining	Using	Chapter3
Line editor, ed	Editors	Chapter3
	Userref	ed(1)
Line printer information	Install	Chapter11
Line printer, adding	Install	Chapter11
Link editor, creating files for	Progref(1) ... ar(1)	
Link editor, using	Tools	Chapter12
	Progref(1) ... ld(1)	
Link, establishing	Using	Chapter8
Listing contents of directory	Using	Chapter8
	Userref	ls(1)
Listing software packages	Install	Chapter5
Loading		
optional software	Install	Chapter2,15
required software	Install	Chapter2,5
the DG/UX system software	Install	Chapter2

Task Index

Locking		
a file	Tools	Chapter3
a record	Tools	Chapter3
Locks, managing	Device	Chapter6
Log-in directory	Using	Chapter2
Log-in environment, customizing	Using	Chapter3
Log-in name		
choosing	Using	Chapter2
displaying	Userref	logname(1)
Log-in/log-out information, displaying	Userref	last(1)
Logging error messages	Sysref	errdemon(1M) errpt(1M) errstop(1M)
Logging out of the system	Using	Chapter2
Logging in to the system	Learning	Chapter2
Logging in to a remote system	Using	Chapter2
	Learning	Chapter11
	Userref	ct(1) rlogin(1)
	TCP/IP(U) .	telnet(1C)
Logical disks		
copying	Install	Chapter7
creating and deleting	Install	Chapter7
managing	Install	Chapter7
	Sysref	diskman(1M)
Loopback device, setting	TCP/IP(I) ...	Chapter3



Macros

mm, description of	DTK(U)	mm tutorial
	DTK(T)	mm technical discussion
sendmail	TCP/IP(I) ...	Chapter6
Macroprocessor, using m4	Progref(1) ...	m4(1)
Mail aliases, adding	Install	Chapter14
Mail environment, customizing	Using	Chapter10

Task Index

Mail, sending	Using	Chapter10
	Userref	mailx(1)
		mail(1)
Maintaining groups of programs	Tools	Chapter18
	Progref	make(1)
Major number, assigning	Device	Chapter8
	Install	AppendixA
Man pages	Userref	
	Sysref	
	Progref(1&2)	
Man pages, definition	Finding	Chapter2
Managing		
TTYs	Install	Chapter10
UUCP	Install	Chapter12
files using RCS	Tools	Chapter15,17
files using SCCS	Tools	Chapter15,16
Progref(1) ...	admin(1)	
logical disks	Install	Chapter7
physical disks	Install	Chapter7
printer	Install	Chapter10
		lpadmin(1M)
		lpsched(1M)
the file system	Install	Chapter8
the network	Install	Chapter13
unwired memory	Device	Chapter7
user accounts	Install	Chapter14
wired memory	Device	Chapter7
Master file, adding entry to	Install	AppendixA
	Progref(2) ...	master(4)
	Device	Chapter2
Math libraries, descriptions of	Userref	bc(1)
		dc(1)
		Tools
		Chapter2
Math operations, performing	Using	Chapter9,13,14
	Userref	expr(1)
		factor(1)
Measurements, converting to different scale	Userref	units(1)

Task Index

Memory

shared	Tools	Chapter4
unwired	Device	Chapter7
wired	Device	Chapter7
Menus, installation	Install	Chapter1
Merging files	Using	Chapter9
	Userref	cat(1)
Merging files with columns	Using	Chapter9
	Userref	merge(1)
		cut(1)

Messages

for interprocess communication	Tools	Chapter4
sending	Using	Chapter10
	Userref	write(1)
		mesg(1)
broadcasting to all users	Install	Chapter4
	Sysref	wall(1)
Minor number, assigning	Install	AppendixA
	Device	Chapter8
Mistakes, correcting typing	Using	Chapter2
mm macros, description of	DTK(U)	mm tutorial
	DTK(T)	mm technical discussion
Mounting and unmounting a file system	Install	Chapter8
	Sysref	mount(1M)

Moving

a directory	Sysref	mvdir(1M)
a file	Using	Chapter8
	Userref	cp(1)
Multiprocessor environment, description of	Device	Chapter1

N

Nawk programming language	Tools	Chapter6
Network Filesystem (see NFS)		
Network interface, configuring	TCP/IP(I) ...	AppendixC
		ifconfig(1M)
Network management, information	Install	Chapter13
	TCP/IP(I) ...	Chapter2,4

Networking	Using	Chapter11
Networks		
adding to system	Install	Chapter13
adding hosts to	Install	Chapter13
configuring	TCP/IP(I) ...	Chapter2 AppendixC ifconfig(1M)
deleting hosts from	Install	Chapter13
managing	TCP/IP(I) ...	Chapter2,4 Install
rebooting	TCP/IP(I) ...	Chapter13
routing	TCP/IP(I) ...	Chapter6
status of	TCP/IP(I) ...	Chapter2
TCP/IP(I) ...		Chapter3,6
New user information	Using	Chapter1,2
NFS		
description of	NFS	Chapter1
installation	NFS	Chapter2 Install
Chapter2,5		
NFS parameters, setting	Install	Chapter13
Nodes		
description of	Device	Chapter1
Install		AppendixA
major number	Device	Chapter1
Install		AppendixA
minor number	Device	Chapter1
Install		AppendixA
Numbering lines in a file	Userref	nl(1)
Numbering lines temporarily	Editors	Chapter2

O

Object code, disassembler	Progref(1)....	dis(1)
Object file library	Tools	Chapter2
Object files, linking	Tools	Chapter12
Progref(1) ...	ld(1)	
OCS compliance, description	Porting	Chapter1

Task Index

Operators

arithmetic	Using	Chapter9
numeric	Using	Chapter13
redirection	Using	Chapter4,5,6
relational	Using	Chapter9
string	Using	Chapter13
Organizing programs, overview of	Tools	Chapter1

P

Parameters, tuning	Install	Chapter4
Parser, building a	Progref(1) ... yacc(1) Tools	Chapter8
Parsing positional parameters	Using	Chapter13
Userref	getopts(1)	
Pascal compiler, using	Progref(1) ... pc(1)	
Pascal language, description of	Pascal-88	
Password		
information for system administrators ..	Install	Chapter14
changing	Using	Chapter2
Userref	passwd(1)	
checking	Install	Chapter14
Sysref	pwck(1M)	
choosing	Using	Chapter2
editing password file	Sysref	vipw(1M)
Pathnames		
full	Using	Chapter2
relative	Using	Chapter2
setting up	Using	Chapter2
Pattern matching, in files	Using	Chapter9
Editors	AppendixA	
Userref	grep(1)	
Patterns, scanning for in programs	Tools	Chapter6
Permissions, setting	Using	Chapter8
Userref	chmod(1) chgrp(1) chown(1) umask(1)	

Physical disks			
formatting	Install	Chapter7	
initializing	Install	Chapter7	
registering	Install	Chapter7	
Piping	Using	Chapter4	
Piping using popen	Tools	Chapter2	
Planning the system	Install	Chapter2	
Positional parameters, parsing	Using	Chapter13	
	Userref	getopts(1)	
Porting			
graphics applications	Porting	Chapter10	
problems, handling	Porting	Chapter9	
procedure	Porting	Chapter1,2	
tools used in	Porting	Chapter6	
POSIX compliance, description of	Porting	Chapter1	
Power failure, recovering from	Install	Chapter3	
Preprocessor, C language	Progref(1) ...	cpp(1)	
Print request, cancelling	Using	Chapter9	
	Userref	lp(1)	
Printer			
adding to system	Install	Chapter11	
allowing or accepting requests	Install	Chapter11	
	Sysref	accept(1M)	
configuring	Install	Chapter11	
	Sysref	lpadmin(1M)	
deleting from system	Install	Chapter11	
enabling and disabling	Userref	enable(1)	
managing	Install	Chapter11	
	Sysref	lpadmin(1M)	
		lpsched(1M)	
status	Using	Chapter9	
	Userref	lpstat(1)	
Printing			
a calendar for specified year	Userref	cal(1)	
a file	Using	Chapter9	
	Userref	lp(1)	
block letters to screen	Userref	banner(1)	
cancelling a print job	Using	Chapter9	
	Userref	lp(1)	

Task Index

Processes

communicating between	Tools	Chapter4
creating	Tools	Chapter2
executing repeatedly	Using	Chapter7
	Userref	crontab(1)
initializing and controlling	Sysref	init(1M)
killing	Using	Chapter7
	Userref	kill(1)
killing all open	Sysref	killall(1M)
monitoring status of	Using	Chapter4
	Userref	ps(1)
running in background	Using	Chapter7
running while logged out	Using	Chapter7
	Userref	nohup(1)
synchronizing	Device	Chapter6

Programming

in the Bourne shell	Using	Chapter13
in the C shell	Using	Chapter14
with TCP	TCP/IP(P) ..	Chapter3,6
with UDP	TCP/IP(P) ..	Chapter5
Programming language, awk	Tools	Chapter6
Programming terminology	Tools	AppendixA

Programs

beautifying	Progref(1) ... cb(1)	
checking for syntax errors in	Tools	Chapter9
compiling and linking	Porting	Chapter7
debugging	Tools	Chapter1,13,14
lexical analysis of	Program	Chapter7
	Progref(1) ... lex(1)	
porting	Porting	Chapter1,2
	Progref(1) ... lint(1)	
generating code for	Tools	Chapter7
	Progref(1) ... lex(1)	
maintaining groups of	Tools	Chapter18
	Progref	make(1)
Pseudo-devices, configuring	Install	Chapter2
Pseudo-terminals, configuring	Install	Chapter2

R

RCS	Tools	Chapter17
Rebooting system after adding device	Install	Chapter2,4
	Device	Chapter2
Recalling commands	Using	Chapter6
	Editors	Chapter1
Reconfiguring the system	Install	Chapter4
Record locking	Tools	Chapter3
Recovering files from backup tape	Install	Chapter8
	Sysref	restore(1M) frec(1M)
Recovering from system failure	Install	Chapter3
Redirecting input and output	Using	Chapter4,5,6
Registering or deregistering a physical disk	Install	Chapter7
Regular expression compiler	Progref(1) ...	regcmp(1)
Regular expressions		
for scanning programs	Tools	Chapter6
searching and substituting	Editors	AppendixA
Remote (R) commands, description of	TCP/IP(U) ..	Chapter5
Remote system, connecting to	Using	Chapter11
Removing a file or directory	Using	Chapter8
	Userref	rm(1)
Repairing a damaged file system	Install	Chapter3
Request information packet, definition of ...	Device	Chapter3
Resetting terminal	Userref	reset(1)
Restoring file systems from tape	Install	Chapter8
	Sysref	restore(1M)
Revision Control System (see RCS)		
Revisions of files, managing	Tools	Chapter15,16,17
Root directory, changing	Sysref	chroot(1M)
Routing information, for networks	TCP/IP(I) ...	Chapter2
Routing parameters, setting	TCP/IP(I) ...	Chapter3
	TCP/IP(I) ...	AppendixC route(1M)
Run levels, setting	Install	Chapter3

Task Index

S

Saving files to magnetic tape	Userref	tar(1)
Screen management programs		
curses	Tools	Chapter5
description of	Progref(2) ...	curses
terminfo	Tools	Chapter5
SCCS, using	Tools	Chapter5
SCSI adapter	Device	Chapter1,4
Searching for a pattern in a file	Install	Chapter2
Security parameters, setting	Using	Chapter9
Sed batch editor	Editors	Chapter2,3,4
Semaphores, interprocess communication ...	Tools	AppendixA
Sending a file	Userref	grep(1)
using mailx	TCP/IP(I) ...	Chapter3
using ftp	Editors	Chapter4
using uucp	Userref	sed(1)
Sending mail	Tools	Chapter4
local mail	Using	Chapter11
using mail	Userref	mailx(1)
using mailx	TCP/IP(U) .	ftp(1C)
Userref	Using	Chapter11
Userref	Userref	uucp(1)
Sendmail	Using	Chapter10
installing	Userref	write(1)
macros	Using	Chapter10
Userref	Userref	mail(1)
Userref	Using	Chapter10
Userref	Userref	mailx(1)
Sequential command execution	TCP/IP(I) ...	Chapter3,5
TCP/IP(I) ...	TCP/IP(I) ...	Chapter6
Using	Using	Chapter7

Setting			
NFS parameters	Install	Chapter13	
TCP/IP parameters	Install	Chapter13	
time and date	Install	Chapter4	
Setting up configuration variables	Install	Chapter4	
Setting up UUCP	Install	Chapter12	
Setup files, definition of	Using	Chapter3	
Shared memory, interprocess comm.	Tools	Chapter4	
Shell functions, writing (Bourne shell)	Using	Chapter5	
Shell layering, managing	Using	Chapter5	
	Userref	shl(1)	
Shell scripts, writing	Using	Chapter12	
Shell			
Bourne	Using	Chapter3,4,5	
	Userref	sh(1)	
C	Using	Chapter3,4,6	
	Userref	csh(1)	
definition of	Using	Chapter1,4	
programming in	Using	Chapter12,13,14	
Shells, choosing between Bourne and C	Using	Chapter3	
Shutting down the system	Install	Chapter3	
	Sysref	shutdown(1M) halt(1M)	
Signals, managing	Device	Chapter6	
	Progref(1) ...	signal(2) berk_signal(3)	
SNOBOL compiler, using	Progref(1) ...	sno(1)	
Software package			
loading	Install	Chapter2,5	
porting	Porting	Chapter1,2	
removing	Install	Chapter5	
Source Code Control System (see SCCS)			
Special files, creating	Sysref	mknod(1M)	
Spelling check	Using	Chapter9	
	Userref	spell(1)	
Splitting a file	Using	Chapter9	
	Userref	split(1) bfs(1)	
Standard input and output, definition of	Using	Chapter4	

Task Index

Standards for UNIX systems	Porting	Chapter1
	Tools	Chapter1
Starting up the system	Install	Chapter3
Starting up the X Window System	X(U)	Chapter2
STREAMS, programming with	Streams	
Subnets, using	TCP/IP(I) ...	Chapter2
		AppendixB
Subroutines, description of	Tools	Chapter2
	Progref(2)	
Substituting characters in files	Using	Chapter9
Superuser, becoming	Userref	su(1)
Symbol table, displaying	Progref(1) ...	nm(1)
	Tools	Chapter13
Symbolic debugger		
mxdb	Tools	Chapter14
	Progref(1) ...	mxdb(1)
sdb	Tools	Chapter14
	Progref(1) ...	sdb(1)
Synchronizing processes	Device	Chapter6
Syntax, checking	Tools	Chapter9
	Progref(1) ...	lint(1)
Sysadm menus	Install	Chapter1
System		
adding networks to	Install	Chapter14
dumping to tape	Install	Chapter3
	Sysref	dump(1M)
shutting down	Install	Chapter3
	Sysref	shutdown(1M)
		halt(1M)
starting up	Install	Chapter3
System activity, displaying info about	Userref	sar(1)
System administration	Install	Chapter1
	Sysref	sysadm(1M)
System calls, description of	Tools	Chapter2
	Progref(1) ...	Chapter1
System clock, managing	Device	Chapter6
	Progref(2) ...	clock(3C)
System configuration	Install	Chapter4
	Sysref	config(1M)
System crash, information about	Sysref	crash(8)

System file, adding entry to	Install	Chapter2,4 AppendixA
	Progref(2) ...	system(4)
	Device	Chapter2
System image, examining	Sysref	crash(1M)
System panics, recovering from	Install	Chapter3

T

Tables, creating and formatting	DTK(U)	tbl tutorial
	DTK(T)	tbl technical discussion
Tabs, setting on terminal	Userref	tabs(1)
Tags file, creating	Progref(1) ...	ctags(1)
Tape		
dumping system to	Install	Chapter3
Sysref	dump(1M)	
restoring file system from	Install	Chapter8
sysref	restore(1M)	
TCP/IP parameters, setting	Install	Chapter13
TCP/IP		
adding to diskless client	TCP/IP(I) ...	Chapter3
ftp	TCP/IP(U) .	Chapter3
installing	TCP/IP(I) ...	Chapter3
interaction with YP	TCP/IP(I) ...	Chapter3
Install	Chapter13	
programming with	TCP/IP(P) ..	Chapter3,6
sendmail	TCP/IP(I) ...	Chapter5
telnet	TCP/IP(U) .	Chapter2
terminology	TCP/IP(I) ...	AppendixB
tftp	TCP/IP(U) .	Chapter4
troubleshooting	TCP/IP(I) ...	Chapter6
UDP	TCP/IP(P) ..	Chapter5
Telnet, using	TCP/IP(U) .	Chapter2
Termcap, converting to terminfo descrip.	Sysref	captoinfo(1M)
Terminal input and output, controlling	Tools	Chapter5
Terminal type, identifying	Using	Chapter2 AppendixA

Task Index

Terminals (TTYs)

adding	Install	Chapter2,10
clearing screen	Userref	clear(1)
getting pathname for	Userref	tty(1)
managing	Install	Chapter10
resetting	Userref	reset(1)
setting options for	Using	Chapter3
	Userref	att_stty(1) berk_stty(1) stty(1) tput(1)
setting type, mode, speed	Install	Chapter3,10
	Sysref	getty(1M)

Terminating

a job (C shell)	Using	Chapter6
a process	Using	Chapter7
	Userref	kill(1)
all open processes	Sysref	killall(1M)
Terminfo compiler	Sysref	tic(1M)
Terminfo descriptions, comparing	Sysref	infocmp(1M)
Terminology, DG/UX	Userref	glossary(1)
Terminology, installation	Install	Chapter2
Testing conditions	Using	Chapter13
	Userref	test(1)

Text editor

ed	Editors	Chapter3
	Userref	ed(1)
vi	Editors	Chapter2
	Userref	vi(1)

Text formatting

DTK(U)	nroff tutorial
	troff tutorial

Time

displaying system	Using	Chapter2
setting	Install	Chapter4
Translating characters in files	Using	Chapter9
	Userref	tr(1)

Troubleshooting

- network TCP/IP(I) ... Chapter6
- system failure Install Chapter3
- TTY (see Terminals)
- Tuning system parameters Install Chapter4
- Tutorial, for beginners Learning

U

- UDP, programming with TCP/IP(P) .. Chapter5
- Unwired memory, managing Device Chapter7
- User accounts
 - deleting Install Chapter14
 - setting up Install Chapter14
- User address space, accessing Device Chapter7
- User Datagram Protocol (see UDP)
- User environment
 - display information Using Chapter5,6
 - Userref printenv(1)
 - setting up Using Chapter3
- User log-in/log-out information, displaying .. Userref last(1)
- User, displaying who is logged in Using Chapter2
 - Userref who(1)
- User-supplied adapter driver Device Chapter1,3,4
- User-supplied device driver routines Device Chapter1,3,4
- UUCP error messages Install AppendixC
- UUCP, managing Install Chapter12
 - Sysref uuchk(1M)
 - uucico(1M)
 - uucleanup(1M)
 - uugetty(1M)
 - uusched(1M)
 - uutry(1M)

V

Variables

Bourne shell	Using	Chapter5
C shell	Using	Chapter6
definition of	Using	Chapter4
setting configuration	Install	Chapter4
substituting	Using	Chapter4
Vi full-screen editor	Editors	Chapter2
	Userref	vi(1)
Viewing a file	Using	Chapter9
	Userref	cat(1)
		more(1)

W

Who is logged in	Using	Chapter2
	Userref	who(1)
Window managers, description of	X(U)	Chapter2,3
Windows		
creating with curses	Tools	Chapter5
	Progref(2) ...	curses
using the X Window System	X(U)	
Wired memory, managing	Device	Chapter7
Word processing	Editors	
Writing		
shell functions (Bourne shell)	Using	Chapter5
shell scripts	Using	Chapter12,13,14

X

- Xlib, description of X(R)
X(P)
- X Window System**
- default settings for X(U) Chapter2,3
 - definition of X(U) Chapter1
 - starting up X(U) Chapter2
- XDR (external data representation) NFS Chapter9

Y

- Yellow pages**
- description of NFS Chapter4
 - installation of NFS Chapter5
 - interaction with TCP/IP TCP/IP(I) ... Chapter3

End of Chapter

Appendix A

Using Man Pages

This appendix discusses manual pages (more commonly known as man pages). The sections "What's a Man Page?" and "Using the On-Line Man Pages" explain what man pages are and how to use them. If you are unfamiliar with man pages, read this appendix before trying to use the task index in Chapter 2 of this manual.

What's a Man Page?

In the DG/UX system, each command, library, and system call is documented in a man page that describes what the command does, how to use it, where to get related information, and potential bugs associated with its use. Some man pages are less than one page long, and others are much longer. The same man pages can be found both on line and in printed reference manuals. At the top of each is the name of the command, library, or system call, and a one-line description of it.

There are hundreds of DG/UX man pages organized into four reference manuals: *Programmer's Reference for the DG/UX™ System (Volumes I and II)*; *User's Reference for the DG/UX™ System*; and *System Manager's Reference for the DG/UX™ System*. Within each manual the man pages are organized alphabetically. Some man pages are also in *Installing and Managing DG/UX™ TCP/IP* and *Using DG/UX™ TCP/IP*.

You can also find the man pages on line. See the section "Using the On-Line Man Pages" later in this appendix to learn how to access the on-line man pages.

The suffix on each command name (such as the **(1)** on the **cat** command) tells you two things: the category of the command (for example, user command, programmer command), and which reference manual the man page is in. Some suffixes are numbers, and others are number-letter combinations. Here are some examples: **passwd(1)**, **vipw(1M)**, **getpass(3)**, **crypt(3X)**. Table A-1 defines each command category and shows you where you can find the commands.

What's a Man Page?

Table A-1 Explanation of Man Page Suffixes

Suffix	Category	Where You Find the Man Page
(1)	User commands Programmer commands	<i>User's Reference for the DG/UX™ System; Programmer's Reference for the DG/UX™ System (Volume 1)</i>
(1C)	TCP/IP commands	<i>Using DG/UX™ TCP/IP</i>
(1M)	System maintenance commands	<i>System Manager's Reference for the DG/UX™ System; Installing and Managing DG/UX™ TCP/IP</i>
(2)	System calls	<i>Programmer's Reference for the DG/UX™ System (Volume 1)</i>
(3)	Subroutines	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(3C)	C and assembler library routines	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(3M)	Math library routines	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(3N)	Networking library routines	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(3S)	Standard I/O library routines	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(3X)	Miscellaneous routines	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(4)	File formats	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(5)	Miscellaneous facilities	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(6)	Communications protocols	<i>Programmer's Reference for the DG/UX™ System (Volume 2)</i>
(7)	Devices and special files	<i>System Manager's Reference for the DG/UX™ System</i>
(8)	System maintenance procedures	<i>System Manager's Reference for the DG/UX™ System</i>

Some suffixes have entries that are found in more than one manual. For example, the 1s can be user or programmer commands. Usually, you can tell which manual to go to by considering the task you need to perform. If you are performing a

programming task, you should probably check the *Programmer's Reference for the DG/UX™ System (Volume 1)* first.

In the task index in Chapter 2, we refer to only those man pages that are visible to the user from the shell (for example, the 1s, 1Ms, and a few 2s, 3s, and 8s). System calls and libraries, which are accessed by the system or other commands, are not referenced.

Using the On-Line Man Pages

All of the man pages are available on line and in the printed reference manuals. You can access the on-line man pages via the **man** command. Let's say you want to read more about the **cat(1)** command. The following command line shows what you would type:

```
$ man cat >
```

Notice that you do not type the suffix, just the command name itself, **cat**. Within a few seconds, the **cat** man page is displayed. To prevent the man page from scrolling by too fast, you can pipe the **man** command to the **more** program, which allows you to view a file one screen at a time. Piping allows you to take the output from one command and use it as the input for another command (see *Using the DG/UX™ System* for more information on piping). You pipe a command by joining two commands with a pipe symbol (|) on your command line. The following command line shows you what you would type to display the **cat** man page one screen at a time:

```
$ man cat | more >
```

When you are displaying a man page with the **more** program, you can scroll the text down one screen by pressing the space bar on your keyboard. To exit the **more** program, type **q**.

End of Appendix

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