

Tru64 UNIX

Master Index

Part Number: AA-RG8NA-TE

April 1999

Product Version: Tru64 UNIX Version 4.0F or higher

This book contains index entries for the most commonly used manuals in the Compaq Tru64 UNIX (formerly DIGITAL UNIX) documentation set.

© Digital Equipment Corporation 1999
All rights reserved.

COMPAQ, the Compaq logo, and the Digital logo are registered in the U.S. Patent and Trademark Office. The following are trademarks of Digital Equipment Corporation: ALL-IN-1, Alpha AXP, AlphaGeneration, AlphaServer, AltaVista, ATMworks, AXP, Bookreader, CDA, DDIS, DEC, DEC Ada, DECevent, DEC Fortran, DEC FUSE, DECnet, DECstation, DECsystem, DECterm, DECUS, DECwindows, DTIF, Massbus, MicroVAX, OpenVMS, POLYCENTER, PrintServer, Q-bus, StorageWorks, Tru64, TruCluster, TURBOchannel, ULTRIX, ULTRIX Mail Connection, ULTRIX Worksystem Software, UNIBUS, VAX, VAXstation, VMS, and XUI. Other product names mentioned herein may be the trademarks of their respective companies.

IBM is a registered trademark of International Business Machines Corporation. Prestoserve is a trademark of Legato Systems, Inc.; the trademark and software are licensed to Digital Equipment Corporation by Legato Systems, Inc. Netscape and Netscape Navigator are registered trademarks of Netscape Communications Corporation in the United States and other countries. NFS is a registered trademark of Sun Microsystems, Inc. ONC is a trademark of Sun Microsystems, Inc. Adobe, Acrobat Reader, PostScript, and Display PostScript are registered trademarks of Adobe Systems Incorporated. UNIX is a registered trademark and The Open Group is a trademark of The Open Group in the US and other countries. X/Open is a trademark of X/Open Company Limited.

All other trademarks and registered trademarks are the property of their respective holders.

Restricted Rights: Use, duplication, or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c) (1) (ii).

Compaq conducts its business in a manner that conserves the environment and protects the safety and health of its employees, customers, and the community.

About This Manual

The *Master Index* provides an index for the most commonly used books in the Compaq Tru64 UNIX (formerly DIGITAL UNIX) documentation set. Books included in the *Master Index* are listed in Table 1.

Audience

This book is for anyone who needs to access information about the Tru64 UNIX operating system. It can help you find a specific topic in the documentation set by pointing you to the location in the book where the topic is discussed.

New and Changed Features

In past releases of the documentation set, the *Master Index* was part of the *Documentation Overview, Glossary, and Master Index*. With this release, the *Documentation Overview* and the *Master Index* exist as separate books in both online and printed formats.

Conventions

In the printed version of the *Master Index*, entries follow these conventions:

- Each master index page reference is preceded by an abbreviated book title. For example, the following entry points to page 3-2 in the guide *Sharing Software on a Local Area Network*:

installation

RIS software subset, *SharingSW* 3-2

Table 1 maps the abbreviated title for each book to its complete book title.

- The format of page references varies according to the pagination method used in a particular book. For example, some books are numbered sequentially; others are numbered so that the page number includes a chapter number and a page number. The following example shows the types of page references contained in the *Master Index*:

help *CDEAdvUsr* 66, 146, 162, 235
CommandShellGde 1-9
 creating CDE *CDEHelp* 253

The online version of the *Master Index* does not contain page numbers. Instead, the abbreviated book title appears as a hot link. Clicking on this link takes you either to the beginning of the book being referenced, or in many cases, to the actual location of the information in the book.

Table 1: Book Title Abbreviations

Abbreviation	Book Title
AppBuilder	<i>Common Desktop Environment: Application Builder User's Guide</i>
AsmLangGde	<i>Assembly Language Programmer's Guide</i>
AsynchronousTM	<i>Asynchronous Transfer Mode</i>
CallStandard	<i>Calling Standard for Alpha Systems</i>
CDEAdvUsr	<i>Common Desktop Environment: Advanced User's and System Administrator's Guide</i>
CDECompanion	<i>CDE Companion</i>
CDEHelp	<i>Common Desktop Environment: Help System Author's and Programmer's Guide</i>
CDEInternatProg	<i>Common Desktop Environment: Internationalization Programmer's Guide</i>
CDEProgGde	<i>Common Desktop Environment: Programmer's Guide</i>
CDEProgOverview	<i>Common Desktop Environment: Programmer's Overview</i>
CDEStyle	<i>Common Desktop Environment: Style Guide and Certification Checklist</i>
CDEUser	<i>Common Desktop Environment: User's Guide</i>
CommandShellGde	<i>Command and Shell User's Guide</i>
DECC	<i>DEC C Language Reference Manual</i>
DECevent	<i>DECevent Translation and Reporting Utility</i>
DECthreads	<i>Guide to DECthreads</i>
Desktopksh	<i>Common Desktop Environment: Desktop KornShell User's Guide</i>
DocOverview	<i>Documentation Overview</i>
DPML	<i>Digital Portable Mathematics Library</i>

Table 1: Book Title Abbreviations (cont.)

Abbreviation	Book Title
InstallGde	<i>Installation Guide</i>
InternatProg	<i>Writing Software for the International Market</i>
KernelDebug	<i>Kernel Debugging</i>
Ladebug	<i>Ladebug Debugger Manual</i>
LicenseManage	<i>Software License Management</i>
NetAdmin	<i>Network Administration</i>
NetProgGde	<i>Network Programmer's Guide</i>
OncRpcProgram	<i>Programming with ONC RPC</i>
Prestoserve	<i>Guide to Prestoserve</i>
ProdKitGde	<i>Guide to Preparing Product Kits</i>
ProgGde	<i>Programmer's Guide</i>
ProgSupTools	<i>Programming Support Tools</i>
Realtime	<i>Guide to Realtime Programming</i>
Security	<i>Security</i>
SharingSW	<i>Sharing Software on a Local Area Network</i>
StorageManager	<i>Logical Storage Manager</i>
SystemAdmin	<i>System Administration</i>
SystemTune	<i>System Configuration and Tuning</i>
TechOver	<i>Technical Overview</i>
ToolTalkMsg	<i>Common Desktop Environment: ToolTalk Messaging Overview</i>
XWinSysEnv	<i>X Window System Environment</i>

Reader's Comments

Compaq welcomes any comments and suggestions you have on this and other Tru64 UNIX manuals.

You can send your comments in the following ways:

- Fax: 603-884-0120 Attn: UBPG Publications, ZKO3-3/Y32
- Internet electronic mail: readers_comment@zk3.dec.com

A Reader's Comment form is located on your system in the following location:

/usr/doc/readers_comment.txt

- **Mail:**

Compaq Computer Corporation
UBPG Publications Manager
ZK03-3/Y32
110 Spit Brook Road
Nashua, NH 03062-9987

A Reader's Comment form is located in the back of each printed manual. The form is postage paid if you mail it in the United States.

Please include the following information along with your comments:

- The full title of the book and the order number. (The order number is printed on the title page of this book and on its back cover.)
- The section numbers and page numbers of the information on which you are commenting.
- The version of Tru64 UNIX that you are using.
- If known, the type of processor that is running the Tru64 UNIX software.

The Tru64 UNIX Publications group cannot respond to system problems or technical support inquiries. Please address technical questions to your local system vendor or to the appropriate Compaq technical support office. Information provided with the software media explains how to send problem reports to Compaq.

Index

Special Characters

- * **wildcard character**, *CDEAdvUsr* 193
- ? **wildcard character**, *CDEAdvUsr* 193
- \ **character in CDE help**, *CDEHelp* 28, 129
- ~ **character (tilde)**,
See tilde

A

- abnormal termination function**,
ProgGde 11–13
- abstract for help volume**,
CDEHelp 106
- accelerator key guidelines**,
CDEStyle 147, 183
- access to files**, *CommandShellGde* 5–1
- account administration with C2**,
Security 9–1
- account password**, *SystemAdmin* 9–9
- account subcommand (ftp)**,
CommandShellGde 12–5
- accounting**, *SystemAdmin* 12–1
turning on, *SystemAdmin* 12–19
- acknowledged connectionless mode service**
in DLPI, *NetProgGde* 2–6
- ACLs**
administering, *Security* 11–1
programming, *Security* 21–1
using, *Security* 5–1
- acos routine**, *DPML* B–1, DPML–5
- acosd routine**, *DPML* B–1, DPML–5
- acosh routine**, *DPML* B–2, DPML–6
- action**, *CDEAdvUsr* 127
creating manually, *CDEAdvUsr* 155
creating with Create Action,
CDEAdvUsr 141, *CDEUser* 126
executing, *CDEUser* 96
in CDE application development,
CDEProgGde 109, 113, 124
- action file**, *CDEAdvUsr* 142, 161
- action icon**, *CDEAdvUsr* 67, 131,
158, 161, *CDEUser* 119
- action invocation in CDE program development**,
CDEProgOverview 69
- activity license**, *LicenseManage* 1–5
- acucap file**, *NetAdmin* 4–26
- Ada language debugging support**,
Ladebug 12–1
- address family**
specifying for DLI, *NetProgGde* E–16
- Address Resolution Protocol**,
See ARP
- administration tools and methods**,
See system administration
- Advanced File System**,
See AdvFS
- Advanced Printing Software**,
SystemAdmin 10–3, 10–13
- Advanced Server for UNIX**

documentation for, *DocOverview* 1–9

AdvFS, *InstallGde* 5–18, A–1, *TechOver* 4–8

documentation for, *DocOverview* 1–9

improving performance, *SystemTune* 9–15

monitoring, *SystemTune* 9–19

operation, *SystemTune* 9–11

tuning, *SystemTune* 9–25

AES

application-level interface requirements, *ProgGde* 1–2

alias

execution in CDE help, *CDEHelp* 72

predefined, *Ladebug* 7–5, REF–17

alignment

data type alignment, *ProgGde* 2–5

Alpha system,
See also calling standard
DIGITAL UNIX calling standard
for, *CallStandard* 1–1

animation, *CDEAdvUsr* 234

ANSI C Standard, *DECC* xiv
and CDE compliance,
CDEProgOverview 25, 37

conformance summary, *DECC* B–1

ANSI standards

application development considerations, *ProgGde* 1–2

app-defaults file, *CDEAdvUsr* 256, 279

and application font names,
CDEProgGde 20

for dtksh, *Desktopksh* 14

application, *CDEAdvUsr* 25, 40

accessing from Front Panel,
CDECompanion 3–1

adding and administering,
CDEAdvUsr 39

basic integration, *CDEProgGde* 3

building with Application Builder,
AppBuilder 107

compiling in CDE,
CDEProgOverview 25, 34, 79

creating actions and data types
for, *CDEAdvUsr* 62

creating Motif application with
dtksh, *Desktopksh* 11

creating root directories for,
CDEAdvUsr 60

debugging, *SystemTune* 11–1

displaying errors in, *CDEProgGde* 25

gathering, *CDEAdvUsr* 28

improving performance,
SystemTune 11–5

integrated into CDE,
CDECompanion 5–4

integrating drag-and-drop in,
CDEProgGde 33

integrating fonts in, *CDEProgGde* 17

linking with ld command, *ProgGde*
2–16

profiling, *SystemTune* 11–1

registering, *CDEAdvUsr* 43, 53,
54, 55, 57, 62, 66, 75, 77,
CDEUser 127

registering, help considerations,
CDEHelp 247

removing, *CDEAdvUsr* 48

running from the desktop,
CDEUser 117

running locally, *CDEAdvUsr* 106

starting, *CDEAdvUsr* 32

Application Builder,
CDEProgOverview 34

adding functionality with,
AppBuilder 67

building applications with,
AppBuilder 107

designing a user interface with,
AppBuilder 21

editing interface objects with,
AppBuilder 31, 39

grouping and attaching objects
with, *AppBuilder* 89

- managing projects and modules
 - with, *AppBuilder* 7
 - starting, *AppBuilder* 3
 - testing, *AppBuilder* 101
- Application Builder dialog box,**
 - AppBuilder* 115
- Application Builder menu,**
 - AppBuilder* 45
- Application Builder message,**
 - AppBuilder* 56
- Application Builder pane,**
 - AppBuilder* 40
- Application Builder window,**
 - AppBuilder* 115
- application design principles,**
 - CDEStyle* 73
- application development**
 - in CDE, *CDEProgOverview* 24, 31
 - phases of, *ProgGde* 1–1
- Application Environment Specification,**
 - See AES
- application group,** *CDEAdvUsr* 40, 45, 48, 77, *CDEUser* 119
 - personal, *CDEUser* 123
- application icon,** *CDEAdvUsr* 67, 131, 158, 161
- application integration**
 - basic, *CDEProgGde* 3
 - in CDE, *CDEProgOverview* 41
 - into the CDE desktop,
 - CDEProgOverview* 24, 32, 45, 63
 - recommended, *CDEProgGde* 15
 - using ToolTalk, *ToolTalkMsg* 20
 - with Session Manager,
 - CDEProgGde* 29
- Application Manager,** *CDEAdvUsr* 39, 40, 43, 48, *CDECompanion* 3–2, 4–5
 - using, *CDEUser* 117
- application performance,**
 - See performance
- application program**
 - porting to XTI, *NetProgGde* 3–41
 - rewriting for XTI, *NetProgGde* 3–44
- application programming interface,** *TechOver* 3–18
 - DLI, *TechOver* 3–21
 - DLPI, *TechOver* 3–21
 - sockets, *NetProgGde* 1–3, 4–6,
 - TechOver* 3–20
 - STREAMS, *NetProgGde* 1–3, 5–5,
 - TechOver* 3–20
 - WPI, *InternatProg* A–1
 - XTI, *NetProgGde* 1–1, 3–4,
 - TechOver* 3–18
- application registration in CDE,**
 - CDEHelp* 244
- application resources**
 - administering, *CDEAdvUsr* 255
- application search path,**
 - CDEAdvUsr* 40, 47, 116, 125
- application server,** *CDEAdvUsr* 47, 57, 87, 94, 99
- application window management guidelines,** *CDEStyle* 65, 190
- archive file**
 - determining section sizes, *ProgGde* 2–21
 - dumping selected parts of,
 - ProgGde* 2–19
- arguments for actions,**
 - CDEAdvUsr* 133, 168, 170
- ARP,** *TechOver* 3–15
- arp command,** *NetAdmin* 14–2
- arrow button widget**
 - in CDE application development,
 - CDEProgGde* 73
- as command,** *ProgGde* 2–3
- ASCII equivalence table,** *DECC* C–1

ascii subcommand (ftp),
CommandShellGde 12-5

asin routine, *DPML* B-2, DPML-7

asind routine, *DPML* B-2, DPML-7

asinh routine, *DPML* B-2, DPML-8

assembler directive, *AsmLangGde*
 5-1

assembly language
 addressing, *AsmLangGde* 1-4
 assembler directives, *AsmLangGde*
 5-1
 byte ordering, *AsmLangGde* 1-2
 dynamic linking, *AsmLangGde* 9-4
 exceptions, *AsmLangGde* 1-5
 floating-point instruction set,
AsmLangGde 4-1
 instruction set summary,
AsmLangGde A-1
 lexical conventions, *AsmLangGde*
 2-1
 main instruction set, *AsmLangGde*
 3-1
 object files, *AsmLangGde* 7-1, 9-1
 program loading, *AsmLangGde* 9-3
 programming considerations,
AsmLangGde 6-1
 registers, *AsmLangGde* 1-1
 symbol table, *AsmLangGde* 8-1

assigning program numbers,
OncRpcProgram 1-5

Associated Products CD-ROMs,
InstallGde E-1
 documentation on, *DocOverview* 1-9

asynchronous I/O
 realtime, *Realtime* 7-1

Asynchronous Transfer Mode,
See ATM

atan routine, *DPML* B-3, DPML-9

atan2 routine, *DPML* B-3, DPML-10

atand routine, *DPML* B-3, DPML-9

atand2 routine, *DPML* B-3, DPML-10

atanh routine, *DPML* B-4, DPML-11

ATM, TechOver 3-16
 architecture, *AsynchronousTM* 1-1
 cause codes, *AsynchronousTM* A-1
 cells, *AsynchronousTM* 3-3
 CMM routines, *AsynchronousTM*
 B-1
 configuring the software,
AsynchronousTM 2-1
 Connection Management Module,
AsynchronousTM 1-3
 convergence module interface,
AsynchronousTM 6-1
 device driver interface,
AsynchronousTM 4-1
 displaying network information,
AsynchronousTM 2-27
 error codes, *AsynchronousTM* 3-2
 flow control, *AsynchronousTM* 10-1
 general features, *AsynchronousTM*
 3-1
 global data structures,
AsynchronousTM 3-14
 header files, *AsynchronousTM* 3-1
 locking macros, *AsynchronousTM*
 3-10
 managing, *AsynchronousTM* 2-27
 managing connections,
AsynchronousTM 7-1
 managing signaling,
AsynchronousTM 2-27
 Module Management Interface,
AsynchronousTM 8-1
 queuing guidelines,
AsynchronousTM 9-1
 signaling module interface,
AsynchronousTM 5-1
 solving problems,
AsynchronousTM 2-29
 verifying kernel options,
AsynchronousTM 2-6
 verifying subsets are installed,
AsynchronousTM 2-5

ATM address
 adding, *AsynchronousTM* 6–8
 deleting, *AsynchronousTM* 6–9

ATM address structure,
See atm_addr_structure

ATM environment
 management tasks,
AsynchronousTM 2–27

ATM subsystem
 interfaces, *AsynchronousTM* 1–3
 types of circuits, *AsynchronousTM*
 3–14

atm_addr structure,
AsynchronousTM 3–18

atm_cause_info structure,
AsynchronousTM 3–40

atm_cmi_addr union,
AsynchronousTM 6–10

atm_drv_params structure,
AsynchronousTM 4–3

atm_esi structure,
AsynchronousTM 3–39

ATM_FREE macro,
AsynchronousTM 3–9

ATM_MALLOC macro,
AsynchronousTM 3–9

atm_mmi_path structure,
AsynchronousTM 8–3

atm_ppa structure,
AsynchronousTM 3–37

atm_queue_param structure,
AsynchronousTM 4–7

atm_uni_call_ie structure,
AsynchronousTM 3–31

atm_vc_services structure,
AsynchronousTM 3–22

atm_vc_stats structure,
AsynchronousTM 6–9

atmarp command,
AsynchronousTM 2–28

atmconfig command
 and PVCs, *AsynchronousTM* 3–7

atmelan command,
AsynchronousTM 2–28

atmifmp command,
AsynchronousTM 2–29

atmsig command, *AsynchronousTM*
 2–27

ATOM Advanced Developer's Kit,
TechOver 13–6

attached process
 debugging, *Laddebug* 5–2

attachment
 to a document, *CDEStyle* 33, 83

attribute, *SystemTune* 4–6

audit subsystem, *Security* 10–1
 record generation, *Security* 19–1

authentication
 and NTP, *NetAdmin* 10–6
 of client, *OncRpcProgram* 2–20

authentication database
 integrity, *Security* 12–1
 programming, *Security* 17–1

authorization
 X, *CDEAdvUsr* 93

automount command, *NetAdmin*
 C–5

automount daemon, *NetAdmin* 8–1
 error messages, *NetAdmin* E–6
 starting, *NetAdmin* 8–8

automount map, *NetAdmin* 7–25,
 8–2, C–1

availability
 configuring, *SystemTune* 2–15
 disk, *SystemTune* 2–17
 network, *SystemTune* 2–18
 power, *SystemTune* 2–18

availability license, *LicenseManage* 1-4

awk command, *ProgSupTools* 2-1

B

backdrop, *CDEAdvUsr* 242, 245, 246

background process,

CommandShellGde 6-7

canceling, *CommandShellGde* 6-12

running, *CommandShellGde* 6-7

backslash (\) character in CDE

help, *CDEHelp* 28, 129

backup, *SystemAdmin* 11-1

incremental, *SystemAdmin* 11-13

remote, *SystemAdmin* 11-14

scheduling, *SystemAdmin* 11-10

base operating system software,

InstallGde D-1

basic regular expression,

ProgSupTools 1-2

Berkeley Internet Name Domain,

See DNS

Bessel function, *DPML* DPML-12

BGP, *TechOver* 3-6

big endian,

See byte ordering

binary event logging

using the dia command,

SystemAdmin D-1

using the uerf command,

SystemAdmin D-1

binary subcommand (ftp),

CommandShellGde 12-5

BIND, *TechOver* 3-28

See also DNS

supplementary documentation for,

DocOverview 3-3

binding, lazy, *AsmLangGde* 9-15

binlogd daemon, *SystemAdmin* 13-2

binmail utility, *NetAdmin* 11-16

bit-to-text translation, *DECevent*

3-1, C-1

bitmap, *CDEAdvUsr* 202, 203

block, *DECC* 2-2

bootable tape, *SystemAdmin* 11-3,

TechOver 13-8

booting

genvmunix, *SystemAdmin* 3-3

RIS client, *SharingSW* 5-1

bootlinking

hardware product kit, *InstallGde*

2-33

BOOTP, *TechOver* 3-24

and DHCP, *NetAdmin* 3-19

Border Gateway Protocol,

See BGP

borders around objects

implementing, *AppBuilder* 91, 93, 137

bounds file, *KernelDebug* 4-10

description of, *SystemAdmin* 13-18

Bourne shell, *CommandShellGde*

7-1, 8-1

breaking remote cu connection

(UUCP), *CommandShellGde* 14-8

breaking remote tip connection

(UUCP), *CommandShellGde* 14-14

breakpoint, *Ladebug* 4-9

bridging drivers

BSD drivers to STREAMS protocol

stack, *NetProgGde* 7-9

STREAMS driver to sockets

protocol stack, *NetProgGde* 7-2

broadcast RPC, *OncRpcProgram*

2-20, 3-17

broadcasting and determining network configuration,
NetProgGde 4-51

browser (Module Browser),
AppBuilder 26, 128

browser help volume, *CDEHelp* 12, 94

BSD driver
bridging to STREAMS protocol stack, *NetProgGde* 7-9

BSD socket, *NetProgGde* 4-37
and network addresses,
NetProgGde 4-38
receiving protocol data,
NetProgGde 4-39

buffer cache, *SystemTune* 6-1

buffer size
calculating in DLI, *NetProgGde* E-20
increasing for TCP sockets,
NetProgGde C-2

building program,
See lex program, make utility,
yacc program

built-in function
pragma counterpart, *ProgGde* 3-5

buses, supported, *TechOver* 6-3
EISA, *TechOver* 6-5
Futurebus+, *TechOver* 6-7
ISA, *TechOver* 6-4
PCI, *TechOver* 6-3
SCSI, *TechOver* 6-8
TURBOchannel, *TechOver* 6-11
VME, *TechOver* 6-14
XMI, *TechOver* 6-13

button, *CDEUser* 19

button binding, *CDEAdvUsr* 249

bye subcommand (ftp),
CommandShellGde 12-6

byte ordering
big endian, *AsmLangGde* 1-2
little endian, *AsmLangGde* 1-2

supported by Tru64 UNIX,
ProgGde 2-4

C

C compiler, *TechOver* 7-1

C extensions, common, *DECC* D-1

C function, *DECC* 5-1

C language syntax summary,
DECC A-1

C lexicon, *DECC* 1-1

C preprocessor, *ProgGde* 2-8

C shell, *CommandShellGde* 7-1, 8-1

C++ language
debugging support, *Ladebug* 10-1
in CDE application development,
CDEProgOverview 25

C2 security configuration, *Security*
F-1

cabs routine, *DPML* B-4, DPML-13

CalComp DrawingBoard
configuring, *SystemAdmin* E-7

Calendar
and CDE application development,
CDEProgOverview 74
converting to CDE format,
CDECompanion 10-6
integrating CDE applications
with, *CDEProgGde* 139
using, *CDEUser* 215

call,
See incoming call

call chain
in calling standard for Alpha
systems, *CallStandard* 7-3

call stack, *Ladebug* 4-27

callback

- and CDE application development, *CDEProgGde* 77, 85, 91, 107
- and RPC, *OncRpcProgram* 3–32
- in CDE help, *CDEHelp* 212, 221, 231, 232
- using in *dtksh*, *Desktopksh* 20
- caller process**, *OncRpcProgram* 1–1
- calling standard**
 - call chain, *CallStandard* 7–3
 - data manipulation, *CallStandard* 4–1
 - event processing, *CallStandard* 5–1
 - floating-point registers, *CallStandard* 2–3
 - flow control, *CallStandard* 3–1
 - integer registers, *CallStandard* 2–2
 - procedure descriptors, *CallStandard* 8–1
 - procedure invocations, *CallStandard* 7–1
 - stack limits, *CallStandard* 6–1
- callrpc routine**, *OncRpcProgram* 3–2
- canonical address**
 - and Token Ring drivers, *NetProgGde* D–2
- cascading menu**
 - in CDE, *CDEProgGde* 69, 89
- case-sensitive symbolic variable names in debugging**, *Laddebug* 12–2
- cat command**, *CommandShellGde* 3–6
- cause codes**, *AsynchronousTM* A–1
- CBR**, *AsynchronousTM* 3–14
- CBR circuit**
 - reserving resources, *AsynchronousTM* 6–4
- cbrt routine**, *DPML* B–4, DPML–14
- cc command**
 - compilation control options, *ProgGde* 2–11
 - default behavior, *ProgGde* 2–12
- ccos routine**, *DPML* B–4, DPML–15
- cd (change directory) command**, *CommandShellGde* 4–4
- cd subcommand (ftp)**, *CommandShellGde* 12–7
- CD-ROM file system**, *See* CDFS
- CD-ROM, building a consolidated**, *ProdKitGde* A–1
- CDE (Common Desktop Environment)**, *CDEUser* 1, *TechOver* 8–1
 - components of, *CDECompanion* 1–1
- CDE application**, *See* application
- CDE command line interface**, *SystemAdmin* 2–2
 - See also* Command Line Login mode
- CDE development environment**, *CDEProgOverview* 23
- CDE error recovery routine**, *CDEProgGde* 27
- CDE graphical interface**, *SystemAdmin* 2–2
 - See also* desktop
- CDE Motif**, *CDEProgOverview* 12, 80
- CDE Motif widget**, *CDEProgGde* 69, *CDEProgOverview* 13, 64
- CDF**, *SharingSW* 8–1
- CDFS**, *SystemAdmin* 7–2, *TechOver* 4–7
- cdiv routine**, *DPML* B–5, DPML–16
- cdup subcommand (ftp)**, *CommandShellGde* 12–7

ceil routine, *DPML* B-5, DPML-17

cell
 receiving, *AsynchronousTM* 4-2

certification checklist for CDE and Motif applications, *CDEStyle* 145

cexp routine, *DPML* B-5, DPML-18

changes to the documentation set, *DocOverview* 1-2

changing identity, *CommandShellGde* 5-17

changing permissions, *CommandShellGde* 5-8

chap-secrets file, *NetAdmin* 4-14

character
 creating and using a user-defined, *InternatProg* 6-18

character set, *DECC* 1-3, *InternatProg* 1-2
 coded, *InternatProg* 2-2

check box, *CDEUser* 19

check button guidelines, *CDEStyle* 8, 234

chgrp command, *CommandShellGde* 5-20

Chinese,
 See non-English environments

chmod command, *CommandShellGde* 5-8

chown command, *CommandShellGde* 5-20

CI (Computer Interconnect), *SystemAdmin* C-1

CI controller, *TechOver* 6-14

circuit
 types of, *AsynchronousTM* 3-14

class scheduler, *SystemAdmin* 4-27

Classical IP,
 See CLIP

client, *CDEAdvUsr* 86, 93, 233
 authentication, *OncRpcProgram* 2-20
 compiling with rpcgen, *OncRpcProgram* 2-8
 programming with rpcgen, *OncRpcProgram* 2-19
 versions of, *OncRpcProgram* 3-28

client handle used by rpcgen, *OncRpcProgram* 2-7

client/server interaction, *NetProgGde* 4-8

CLIP, *AsynchronousTM* 2-1
 configuration steps, *AsynchronousTM* 2-13
 managing the environment, *AsynchronousTM* 2-28
 planning for configuration, *AsynchronousTM* 2-7

clock
 realtime, *Realtime* 6-1

clog routine, *DPML* B-5, DPML-19

cloned installation, *InstallGde* 1-15, 5-4, *SharingSW* 8-1
 See also installation

close subcommand (telnet), *CommandShellGde* 13-4

cluster
 enhancing security, *Security* 6-15

cmul routine, *DPML* B-6, DPML-20

cmx exerciser, *SystemAdmin* F-19

COBOL language debugging support, *Laddebug* 13-1

code generation with Application Builder, *AppBuilder* 107

code page, PC, *InternatProg* 2-4

codeset, *CDEInternatProg* 56, 59, 63, *InternatProg* 2-2

codeset conversion,
CDEInternatProg 59, 60, 61,
InternatProg 6–39

CoEd demonstration program,
ToolTalkMsg 95

coexistence of STREAMS and sockets, *NetProgGde* 7–1

collation, *CommandShellGde* C–3

color, *CDEUser* 59, 135, 259, 277
 administering, *CDEAdvUsr* 255
 CDE guidelines for, *CDEStyle* 39,
 47, 49

Color Chooser in Application Builder, *AppBuilder* 34

colorUse resource, *CDEAdvUsr* 271

combo box guidelines, *CDEStyle* 236

command
 continuing on the next line,
CommandShellGde 11–16
 run from remote host (UUCP),
CommandShellGde 14–18
 stopping execution of,
CommandShellGde 1–6
 using, *CommandShellGde* 1–4

COMMAND action, *CDEAdvUsr*
 156, 159, 166

command box guidelines,
CDEStyle 236

Command Line Login mode,
CDEUser 37

command tagged queuing,
TechOver 6–10

Common Access Method (CAM) I/O Subsystem, *SystemAdmin*
 B–1

common C extensions, *DECC* D–1

Common Desktop Environment,
See CDE

common file,
See header file

communication between desktop clients, *CDEInternatProg* 55

communication bridge
 DLPI STREAMS pseudodriver,
TechOver 3–2

communication with remote host (UUCP), *CommandShellGde* 14–1

Compaq Analyze, *SystemAdmin* 13–3

comparing files, *CommandShellGde*
 3–24

compilation unit, *DECC* 1–2, 2–3

completion handling, *ProgGde* 11–5

component activation guidelines,
CDEStyle 8, 182

compound string, *CDEInternatProg* 80

Computer Interconnect controller,
See CI controller

computer virus,
See virus

condition variable, *DECthreads*
 2–29, 4–4

conditional compilation, *DECC* 8–7

configuration
 DMS environment, *SharingSW* 11–13
 kernel, *SystemAdmin* 5–1
 system, *SystemAdmin* 2–3

configuration checklist, *TechOver*
 12–3

configuration description file,
See CDF

configuration file
 for CDE, *CDEAdvUsr* 21, 56, 157,
 187, 212, 242

.conflict section, *AsmLangGde* 9–24

conformance
 to Internet host requirements,
TechOver A–1

- to RFC 1122 and 1123, *TechOver* A-1, A-13
- connection,**
 - See also* PPP, SLIP
 - accepting, *AsynchronousTM* 7-4
 - accepting on a socket, *NetProgGde* 4-25
 - activating, *AsynchronousTM* 5-2
 - controlling aging of, *AsynchronousTM* 7-6
 - deleting, *AsynchronousTM* 5-3
 - making in ATM, *AsynchronousTM* 7-1
 - making to socket, *NetProgGde* 4-23
 - outgoing, *AsynchronousTM* 7-1
 - point-to-multipoint, *AsynchronousTM* 7-1
 - point-to-point, *AsynchronousTM* 7-1
 - receiving notification of, *AsynchronousTM* 6-7
 - releasing, *AsynchronousTM* 5-3, 7-8
 - reporting a failure, *AsynchronousTM* 5-3
 - requesting endpoint information, *AsynchronousTM* 6-6
 - security considerations, *Security* 3-1
 - tearing down, *AsynchronousTM* 6-5
 - testing with Application Builder, *AppBuilder* 101
 - to an unknown remote host via modem (UUCP), *CommandShellGde* 14-10
- Connection Management Module,** *AsynchronousTM* 1-3
- connection mode service** in DLPI, *NetProgGde* 2-5
- connection-oriented application**
 - program examples, *NetProgGde* B-2
 - sample header files, *NetProgGde* B-33
 - writing, *NetProgGde* 3-23
- connectionless application**
 - program examples, *NetProgGde* B-18
 - sample header files, *NetProgGde* B-33
 - writing, *NetProgGde* 3-37
- connectionless mode service** in DLPI, *NetProgGde* 2-6
- Consolidated Software CD-ROM**
 - building, *ProdKitGde* A-1
 - documentation for layered applications, *DocOverview* 1-9
- constant, DECC** 1-13
 - and rpcgen, *OncRpcProgram* 2-23
 - floating-point, *AsmLangGde* 2-2
 - scalar, *AsmLangGde* 2-2
 - string, *AsmLangGde* 2-3
- constant bit rate,** *See* CBR
- context variable** in dtksh, *Desktopksh* 27
- continuing a command on the next line,** *CommandShellGde* 11-16
- controlling access,** *CommandShellGde* 5-1
- controls**
 - adding, *CDEAdvUsr* 219
 - CDE guidelines for, *CDEStyle* 8, 234
 - defining, *CDEAdvUsr* 228, 229
 - implementing with Application Builder, *AppBuilder* 6, 124
 - removing, *CDEAdvUsr* 220
 - restoring deleted, *CDEAdvUsr* 215
- Controls palette,** *AppBuilder* 124
- convergence module**
 - flow control, *AsynchronousTM* 10-3
 - MMI, *AsynchronousTM* 8-7
 - queuing guidelines, *AsynchronousTM* 9-3
 - receiving exception notification, *AsynchronousTM* 6-2
 - registering with CMM, *AsynchronousTM* 6-1

- requesting interface parameters, *AsynchronousTM* 6-3
- reserving resources, *AsynchronousTM* 6-4
- structures, *AsynchronousTM* 6-9
- unregistering with CMM, *AsynchronousTM* 6-3
- conversion of data types**, *DECC* 6-27
- copying a file**, *CommandShellGde* 3-19
 - local host control (UUCP), *CommandShellGde* 14-24
 - using UUCP, *CommandShellGde* 14-22
- copying online documentation to disk**, *InstallGde* 8-7
- copysign routine**, *DPML* B-6, DPML-21
- core file debugging**, *Ladebug* 14-1
- cos routine**, *DPML* B-6, DPML-22
- cosd routine**, *DPML* B-6, DPML-22
- cosh routine**, *DPML* B-7, DPML-23
- cot routine**, *DPML* B-7, DPML-24
- cotd routine**, *DPML* B-7, DPML-24
- cp command**, *CommandShellGde* 3-19, 4-8
- cpow routine**, *DPML* B-7, DPML-25
- CPU**
 - improving performance, *SystemTune* 7-5
 - monitoring, *SystemTune* 7-1
 - performance, *SystemTune* 2-4
- crash dump**
 - forcing on a hung system, *KernelDebug* 4-13
 - managing, *KernelDebug* 4-1
 - planning space, *KernelDebug* 4-10
- crash dump analysis**, *KernelDebug* 1-1, 5-1, *Ladebug* 22-7
- collecting data with crashdc, *KernelDebug* 2-48
- crash dump file**
 - compressing and uncompressing, *KernelDebug* 4-13
 - creating, *KernelDebug* 4-9, *SystemAdmin* 13-15
 - guidelines for analyzing, *KernelDebug* 5-1
 - invoking dbx debugger to examine, *KernelDebug* 2-2
 - invoking kdbx debugger to examine, *KernelDebug* 2-11
- crash recovery**, *SystemAdmin* 3-5, 13-13
- crash-data.n file**
 - explanation of contents, *KernelDebug* A-1
- crashdc command**, *KernelDebug* 2-48
 - explanation of output from, *KernelDebug* A-1
- Create Action**, *CDEAdvUsr* 141
- crontab command**, *SystemAdmin* 4-13
- cross-reference**
 - in CDE help, *CDEHelp* 137, 144, 178
- .cshrc login script**, *CommandShellGde* 7-17, 8-3
 - modifying for System V habitat, *CommandShellGde* 9-2
- csin routine**, *DPML* B-8, DPML-26
- csqrt routine**, *DPML* B-8, DPML-27
- ct command**
 - options for connecting to remote host via modem, *CommandShellGde* 14-15
- cu command**
 - connecting local to remote computer, *CommandShellGde* 14-8

- using local commands,
 - CommandShellGde* 14-6
- current folder**, *CDEUser* 84
- courses library**, *InternatProg* 4-1
- custom installation**, *InstallGde* 1-15
 - See also* installation
- custom installation disk space planning**
 - root file system, *InstallGde* 3-6, 5-14
 - swap area, *InstallGde* 3-19, 5-20
 - /usr file system, *InstallGde* 3-12, 5-19
 - /var file system, *InstallGde* 3-15, 5-20
- customization**,
 - See also* system administration and CDE application development, *CDEProgOverview* 59
 - of workstation environment, *XWinSysEnv* 3-1
- cvt_ftof routine**, *DPML* B-8, DPML-28

D

- daemon**
 - automount, *NetAdmin* 8-1
 - binlogd, *SystemAdmin* 13-2
 - bootpd, *TechOver* 3-24
 - envmond, *SystemAdmin* 13-25
 - gated, *NetAdmin* 2-8, *TechOver* 3-24
 - inetd, *NetProgGde* 4-54, *OncRpcProgram* 2-17, 3-25
 - joind, *NetAdmin* 3-16
 - lpd, *SystemAdmin* 10-19
 - mountd, *NetAdmin* 8-11
 - ntpd, *NetAdmin* 10-10
 - PC-NFS, *NetAdmin* 8-7
 - portmap, *Prestoserve* 2-10
 - prestockl_svc, *Prestoserve* 2-12
 - routed, *NetAdmin* 2-6
 - rwhod, *NetAdmin* 2-6
 - screend, *TechOver* 3-2
 - syslogd, *SystemAdmin* 13-2
 - vold (LSM), *StorageManager* 1-7
 - voliod (LSM), *StorageManager* 1-7
 - xntpd, *NetAdmin* 10-1
- data**
 - receiving on a virtual circuit, *AsynchronousTM* 6-2
- data flow**
 - XTI and, *TechOver* 3-19
- data interaction GUIs in CDE**, *CDEProgOverview* 5
- Data Link Interface**,
 - See* DLI
- data link interfaces**, *NetProgGde* 2-1
- Data Link Provider Interface**,
 - See* DLPI
- data manipulation**
 - in calling standard for Alpha systems, *CallStandard* 4-1
- data structure**
 - ATM, *AsynchronousTM* 3-14
 - displaying format of with dbx debugger, *KernelDebug* 2-6
 - global, *AsynchronousTM* 3-14
 - sockets, *NetProgGde* 4-16
 - STREAMS message, *NetProgGde* 5-18
 - STREAMS module, *NetProgGde* 5-17
- data transfer**
 - in DLI, *NetProgGde* E-21
 - with sockets, *NetProgGde* 4-29
- data type**, *CDEAdvUsr* 127, *CDEUser* 126, *DECC* 3-1
 - converting, *DECC* 6-27
 - creating manually, *CDEAdvUsr* 185
 - creating with Create Action, *CDEAdvUsr* 141
 - types supported by assembly language, *AsmLangGde* 2-10

types supported by Tru64 UNIX,
ProgGde 2-4

data typing
 and CDE application development,
CDEProgGde 123,
CDEProgOverview 17, 67

database search path, *CDEAdvUsr*
 104, 119, 120, 157

database server, *CDEAdvUsr* 94, 101

Dataless Management Services,
 See DMS

date value
 formatting rules in a locale,
InternatProg 7-18

dbx debugger, *SystemTune* 4-12,
TechOver 7-3
 kernel debugging flag,
KernelDebug 2-2
 using to debug kdbx extensions,
KernelDebug 3-41

dbxinit file, *Ladebug* 15-1

dcpi profiler, *SystemTune* 3-7

DDR, *SystemAdmin* 6-1

debugging an application,
SystemTune 11-1

debugging the kernel, *SystemTune*
 3-8

debugging tools,
 See also dbx debugger, kdbx
 debugger, kdebug debugger,
 Ladebug debugger, lint,
 Third Degree
 Tru64 UNIX debugging tools,
ProgGde 1-5

**DECevent event management
 utility**, *TechOver* 13-6
 bit-to-text translation, *DECevent*
 3-1, C-1
 dia command, *DECevent* 5-1
 error reporting, *SystemAdmin* 13-1

event analysis and notification,
DECevent 1-2
 features, *DECevent* 1-1, 3-1
 interactive command shell,
DECevent 4-1, 8-1
 ls command, *DECevent* 6-1
 realtime event logging, *DECevent*
 3-11
 reports, *DECevent* 3-5
 shw command, *DECevent* 7-1
 system settings, *DECevent* B-1

declaration, *DECC* 4-1,
OncRpcProgram 2-24

DECterm software
 escape sequences for ruled lines,
InternatProg D-1

DECthreads Debugger,
DECthreads D-1

DECthreads exception package,
DECthreads 5-1

DECthreads software, *DECthreads*
 1-1
 condition variables, *DECthreads*
 2-29, 4-4
 considerations for Tru64 UNIX
 systems, *DECthreads* A-1
 debugging, *Ladebug* 19-1
 error reporting, *DECthreads* 3-15
 exceptions, *DECthreads* 5-1
 mutexes, *DECthreads* 2-26, 4-3
 objects, *DECthreads* 2-1
 operations, *DECthreads* 2-1
 programming, *DECthreads* 3-1
 pthread routines, *DECthreads*
 pthread-3
 thread-safe libraries, *DECthreads*
 4-1
 tis routines, *DECthreads* tis-3

DECwindows
 security, *Security* 4-1

**DECwindows development
 documentation**

- supplementary documentation on Documentation CD-ROM, *DocOverview* 3-4
- DECwindows Motif software**
 - migrating to CDE, *CDECompanion* 6-1
- default installation,**
 - See installation
- delete subcommand (ftp),**
 - CommandShellGde* 12-7
- dense number,** *AsmLangGde* 8-3
- desktop,** *CDEUser* 4
 - customizing, *CDEUser* 133
- desktop help,** *CDEUser* 32
- Desktop KornShell,**
 - See dtksh
- desktop management in CDE application development,**
 - CDEProgOverview* 5, 7
- desktop session,** *CDEUser* 35
 - logging in to, *CDEUser* 36
 - logging out of, *CDEUser* 31, 36
- Developer's Documentation Kit,**
 - DocOverview* 1-8
- development environment,**
 - TechOver* 7-1
- device driver**
 - ATM structures, *AsynchronousTM* 4-2
 - interface, *AsynchronousTM* 4-1
 - MMI, *AsynchronousTM* 8-6
 - queuing guidelines, *AsynchronousTM* 9-1
 - registering with CMM, *AsynchronousTM* 4-1
- device driver documentation**
 - books in set described, *DocOverview* 5-1
- Device Driver Kit,**
 - See device driver documentation
- device mnemonics,** *SystemAdmin* A-1
- device name**
 - mnemonics, *SystemAdmin* A-1
 - specifying with cu command (UUCP), *CommandShellGde* 14-5
- device security,** *Security* 8-1
- device special file,** *NetProgGde* 5-29
- DHCP,** *NetAdmin* 3-1
 - and security, *NetAdmin* 3-18
 - configuring a server, *NetAdmin* 3-12
 - monitoring clients, *NetAdmin* 3-17
 - planning for configuration, *NetAdmin* 3-2
 - troubleshooting, *NetAdmin* 3-20
- dia command,** *DECevent* 5-1
- dial-in connection,** *NetAdmin* 4-24
- dial-out connection,** *NetAdmin* 4-26
- dialog box**
 - creating for CDE help, *CDEHelp* 207
- diff command,** *CommandShellGde* 3-24
- differences**
 - comparing files, *CDECompanion* 5-5
- DIGITAL Portable Mathematics Library,**
 - See DPML
- Digital System Communication Architecture,** *SystemAdmin* C-1
- dir subcommand (ftp),**
 - CommandShellGde* 12-7
- directive**
 - assembler, *AsmLangGde* 5-1
 - pointer_size, *ProgGde* A-2
 - pragma environment, *ProgGde* 3-1

- pragma function, *ProgGde* 3-4
- pragma inline, *ProgGde* 3-3
- pragma intrinsic, *ProgGde* 3-4
- pragma linkage, *ProgGde* 3-6
- pragma member_alignment, *ProgGde* 3-9
- pragma message, *ProgGde* 3-10
- pragma pack, *ProgGde* 3-11
- pragma pointer_size, *ProgGde* 3-11
- pragma use_linkage, *ProgGde* 3-12
- pragma weak, *ProgGde* 3-13
- directory**, *CommandShellGde* 2-1, 4-1
 - listing contents of, *CommandShellGde* 3-2
 - renaming, *CommandShellGde* 3-22
- directory permissions**, *CommandShellGde* 5-5, 5-10
- disability issues and CDE application development**, *CDEProgOverview* 60
- disk**
 - availability, *SystemTune* 2-17
 - distributing I/O, *SystemTune* 8-1
 - encapsulating, *StorageManager* 4-1
 - high-performance, *SystemTune* 2-8
 - high-performance configuration, *SystemTune* 2-12
 - load balancing with LSM, *StorageManager* 15-1
 - LSM, *StorageManager* 1-11, *SystemTune* 8-6
 - managing, *StorageManager* 1-1, *SystemTune* 8-1
 - mirroring, *StorageManager* 2-6, 5-1
 - monitoring, *SystemTune* 8-2
 - RAID, *SystemTune* 2-14
 - striping, *StorageManager* 2-4, *SystemTune* 2-13
- disk drive**
 - adding, *SystemAdmin* 6-7
- disk management**, *StorageManager* 1-1, *SystemTune* 8-1
- disk partition**, *SystemAdmin* 7-2
 - on DMS server, *SharingSW* 10-3
- disk space**,
 - See also* custom installation
 - disk space planning
 - DMS, *SharingSW* 10-4
 - RIS, *SharingSW* 3-3
- diskx exerciser**, *SystemAdmin* F-6
- dispatch table**, *OncRpcProgram* 2-18
- display**
 - logging in, *XWinSysEnv* 2-7
 - managed by xdm, *XWinSysEnv* 2-6
- display log of UUCP utilities**, *CommandShellGde* 14-31
- Display Manager**, *TechOver* 8-7
- display subcommand (telnet)**, *CommandShellGde* 13-4
- displaying a file**, *CommandShellGde* 3-5
- displaying an online reference page**, *CommandShellGde* 1-9
- displaying differences between files**, *CommandShellGde* 3-24
- distributed naming service**,
 - See* BIND, DNS, NIS
- distributed system services**
 - naming services, *TechOver* 3-27
 - time services, *TechOver* 3-28
- distribution media**
 - producing for user and kernel products, *ProdKitGde* 6-1
- DLI**, *NetProgGde* E-1, *TechOver* 3-21
 - and accessing the local area network, *NetProgGde* E-3
 - binding a socket, *NetProgGde* E-18
 - calculating buffer size, *NetProgGde* E-20
 - creating a socket, *NetProgGde* E-16

- deactivating a socket, *NetProgGde* E-22
- filling the sockaddr_dl structure, *NetProgGde* E-18
- including higher-level services, *NetProgGde* E-4
- services, *NetProgGde* E-2
- setting socket options, *NetProgGde* E-17
- transferring data, *NetProgGde* E-21
- using system calls, *NetProgGde* E-15
- writing programs, *NetProgGde* E-15
- DLPI**, *NetProgGde* 2-2, *TechOver* 3-21
 - addressing, *NetProgGde* 2-6
 - connection mode service, *NetProgGde* 2-5
 - connectionless mode service, *NetProgGde* 2-6
 - local management service, *NetProgGde* 2-5
 - modes of communication, *NetProgGde* 2-3
 - supported primitives, *NetProgGde* 2-8, 7-10
 - types of service, *NetProgGde* 2-4
- DMS**, *SharingSW* 1-1, 9-1
 - adding software, *SharingSW* 11-10
 - disk space planning, *SharingSW* 10-4
 - installing software, *SharingSW* 11-2
 - root area, *SharingSW* 9-2
 - setting up a LAN, *SharingSW* 10-3
 - setting up NFS, *SharingSW* 10-3
 - troubleshooting, *SharingSW* 13-1
 - updating software, *SharingSW* 11-12
- DMS area**, *SharingSW* 1-1, 9-2
- DMS area maintenance**, *SharingSW* 12-1
- DMS client**, *SharingSW* 1-1, 9-2, 9-5, 12-1
 - area, *SharingSW* 9-5
 - compatibility with server, *SharingSW* 11-1
 - preparing, *SharingSW* 10-1
 - registering, *SharingSW* 10-8
 - requirements, *SharingSW* 10-2
- DMS environment**, *SharingSW* 9-3, 12-1
 - configuring, *SharingSW* 11-13
 - on DMS server, *SharingSW* 11-1
 - software sharing environment, *SharingSW* 1-2
- DMS server**, *SharingSW* 1-1, 9-2
 - architecture, *SharingSW* 9-2
 - compatibility with client, *SharingSW* 11-1
 - creating DMS environment on, *SharingSW* 11-1
 - disk partitions, *SharingSW* 10-3
 - installing operating system on, *SharingSW* 10-7
 - managing, *SharingSW* 12-1
 - preparing, *SharingSW* 10-1
 - requirements, *SharingSW* 10-1
 - worldwide setup, *SharingSW* 11-17
- DNS**
 - configuring a client, *NetAdmin* 6-10
 - configuring a server, *NetAdmin* 6-8
 - glossary of terms, *NetAdmin* 15-1
 - named.boot, *NetAdmin* J-1
 - resource records, *NetAdmin* J-1
 - testing servers, *NetAdmin* 15-1
 - troubleshooting, *NetAdmin* 13-7, 13-9
 - updating server data files, *NetAdmin* 6-12
- doconfig program**, *SystemAdmin* 5-18
- document type definition**, *See* DTD
- documentation**, *See also* online documentation
 - description of manuals, *DocOverview* 2-1

- in printed form, *DocOverview* 1–7
- on line, *DocOverview* 1–4
- Documentation CD-ROM**,
DocOverview 1–4
- mounting, *InstallGde* 8–2
- documentation kits**,
See Developer's Documentation Kit, End User Documentation Kit, General Programming Documentation Kit, General User Documentation Kit, Startup Documentation Kit, System and Network Management Documentation Kit, Tru64 UNIX Documentation Kit, Windows Programming Documentation Kit
- documentation on the World Wide Web**, *DocOverview* 1–6
- DOMAIN**, *TechOver* 3–5
- Domain Name Protocol**,
See DOMAIN
- DPML**, *DPML* 1–1
 - data types, *DPML* 1–2
 - entry-point names, *DPML* B–1
 - exceptional arguments, *DPML* 1–4
 - floating-point values, *DPML* A–1
 - IEEE Standard 754
 - considerations, *DPML* 1–6
 - routines, *DPML* 2–1
 - X/Open Portability Guide
 - considerations, *DPML* 1–7
- drag-and-drop behavior**
 - CDE guidelines for, *CDEStyle* 11, 178
 - implementing with Application Builder, *AppBuilder* 6, 21, 79
 - in CDE application development, *CDEProgOverview* 34, 52
 - integrating into CDE applications, *CDEProgGde* 33
- drem routine**, *DPML* B–8, DPML–33
- driver**
 - bridging BSD drivers to STREAMS protocol stack, *NetProgGde* 7–9
 - bridging STREAMS driver to sockets protocol stack, *NetProgGde* 7–2
 - debugging loadable, *Ladebug* 22–20
 - Token Ring, *NetProgGde* D–1
- driver program**
 - compiler system, *ProgGde* 2–2
- dtcm**,
See Calendar
- DtComboBox**
 - text field and list box widget, *CDEProgGde* 85
- DTD**
 - CDE HelpTag, *CDEHelp* 195
- DtEditor text editor widget**,
CDEProgGde 94
- dthelpgen command**, *CDEHelp* 193
- dthelptag command**, *CDEHelp* 90, 190
- dthelpview command**, *CDEHelp* 93, 192
- dticon Icon Editor**, *CDEUser* 269
- dtksh (Desktop KornShell)**,
CDEProgOverview 14, 76
 - using to create Motif applications, *Desktopksh* 11
- dtksh app-defaults file**, *Desktopksh* 14
 - variables in, *Desktopksh* 15
- dtksh callback**, *Desktopksh* 20
- dtksh commands**, *Desktopksh* 51
- dtksh context variable**, *Desktopksh* 27
- dtksh functions**
 - return values of, *Desktopksh* 16

- dtksh script**
 - localizing, *Desktopksh* 35
 - writing, *Desktopksh* 23, 39
- dtlogin display manager**,
XWinSysEnv 2-1
- dtmail utility**, *CDECompanion*
10-1, *NetAdmin* 11-16
and CDE application development,
CDEProgOverview 7, 10, 14, 16
basic interchange,
CDEInternatProg 62
using, *CDEUser* 147
- DtMenuBar**
menu button widget, *CDEProgGde* 89
- dtpad Text Editor**
and CDE application development,
CDEProgOverview 73
- DtSpinBox**
text field and arrow button widget,
CDEProgGde 73
- dtterm terminal emulator**,
CDEAdvUsr 49, 146, 173
and CDE application development,
CDEProgOverview 72
using, *CDEUser* 247
- dump file**
compressing and uncompressing,
KernelDebug 4-13
guidelines for analyzing,
KernelDebug 5-1
invoking dbx debugger to examine,
KernelDebug 2-2
invoking kdbx debugger to
examine, *KernelDebug* 2-11
- dxcalendar utility**
converting to CDE format,
CDECompanion 10-6
- dxkerneltuner graphical user
interface**, *SystemAdmin* 5-4
- dxlsm interface (LSM)**,
StorageManager 10-1, 11-1, 12-1
- dxmail utility**
converting to CDE format,
CDECompanion 10-1
- dxpresto command**
monitoring Prestoserve with,
Prestoserve 3-9
- dxpresto software subset**
installing, *Prestoserve* 2-1
- dynamic array tag (d_tag)**,
AsmLangGde 9-6
- dynamic configuration**,
SystemAdmin 5-6
- Dynamic Device Recognition**,
See DDR
- Dynamic Host Configuration
Protocol**,
See DHCP
- dynamic linking**, *AsmLangGde* 9-4
- dynamic loader**
shared library, *TechOver* 7-10
use of, *AsmLangGde* 9-4
- dynamic relocation section**,
See rel.dyn section
- .dynamic section**
contents, *AsmLangGde* 9-5
ordering for quickstart,
AsmLangGde 9-24
- dynamic string section**,
See dynstr section
- dynamic symbol section**,
See dynsym section
- dynamically configurable subsystem**
creating, *ProgGde* C-1
- .dynstr section**, *AsmLangGde* 9-22
- .dynsym section**, *AsmLangGde* 9-16
relationship with .got section,
AsmLangGde 9-18

E

- ed editor**, *CommandShellGde* B-1
- editor**, *CommandShellGde* 2-1
 - ed, *CommandShellGde* B-1
 - emacs, *Ladebug* A-1
 - sed, *ProgSupTools* 3-1
 - vi, *CommandShellGde* A-1
- EGP**, *TechOver* 3-6
- egrep**,
 - See *grep* command
- EISA bus**, *TechOver* 6-5
- emacs editor and debugging**,
 - Ladebug* A-1
- encapsulating disks**
 - LSM, *StorageManager* 4-1
- encodings**, *CDEInternatProg* 56, 59, 63
- end of message/conversation (local communications)**,
 - CommandShellGde* 11-22, 11-23
- End User Documentation Kit**,
 - DocOverview* 1-7
- endian byte ordering**
 - supported by Tru64 UNIX,
 - ProgGde* 2-4
- ending a local message**,
 - CommandShellGde* 11-22
- endpoint**
 - adding, *AsynchronousTM* 7-4
 - creating, *AsynchronousTM* 6-5
 - dropping, *AsynchronousTM* 5-3, 6-5
 - requesting connection state information, *AsynchronousTM* 6-6
 - requesting information,
 - AsynchronousTM* 5-4
- entities in CDE help**, *CDEHelp* 46
- enumerations and rpcgen**,
 - OncRpcProgram* 2-22
- environment variable**
 - for CDE help, *CDEHelp* 191, 259
 - in CDE, *CDEAdvUsr* 19, 25, 32, 98, 114, 117, 120, 122, 124, 179
- environment, customizing**,
 - See *system administration*
- environmental monitoring**,
 - SystemAdmin* 13-25
- envmond daemon**, *SystemAdmin* 13-25
- erf routine**, *DPML* B-9, DPML-34
- erfc routine**, *DPML* B-9, DPML-34
- error**
 - comparison of XTI and sockets,
 - NetProgGde* 3-47
 - contrast between XTI and TLI,
 - NetProgGde* 3-44
 - displaying from CDE application,
 - CDEProgGde* 25
 - in sockets, *NetProgGde* 4-40
 - in XTI, *NetProgGde* 3-64
 - logging, *SystemAdmin* 13-1
 - logging in STREAMS, *NetProgGde* 5-31
 - reporting to CMM,
 - AsynchronousTM* 4-2
 - solving network problem,
 - NetAdmin* 13-3
 - standard, *CommandShellGde* 6-1
- error message**
 - and CDE application development,
 - CDEProgOverview* 57
 - automount, *NetAdmin* E-6
 - installation, *InstallGde* G-1
 - LMF, *LicenseManage* A-1
 - LSM, *StorageManager* B-1
 - mail, *NetAdmin* G-1
 - NFS, *NetAdmin* E-1
 - UUCP, *NetAdmin* F-1
- error recovery routine**
 - in CDE, *CDEProgGde* 27

eSNMP, *NetProgGde* 1-7, 6-2
 SNMP versions, *NetProgGde* 6-4
 application interface overview,
NetProgGde 6-4
 application programming interface
 routines, *NetProgGde* 6-18
 architecture, *NetProgGde* 6-3
 components, *NetProgGde* 6-2
 implementing a subagent,
NetProgGde 6-12
 method routine calling interface,
NetProgGde 6-27
 object tables, *NetProgGde* 6-8
 starting, *NetProgGde* 6-15
 stopping, *NetProgGde* 6-15
 subtree, *NetProgGde* 6-6
 support routines, *NetProgGde* 6-38

/etc/exports file, *NetAdmin* 8-10

/etc/kitcap file, *ProdKitGde* 6-2

Ethernet, *TechOver* 3-17

event
 tracking in XTI, *NetProgGde* 3-14

**event handling in CDE help
 dialogs**, *CDEHelp* 229

event logger
 interface to, *DECEvent* 1-1

event logging
 in STREAMS, *NetProgGde* 5-31
 reporting, *SystemAdmin* D-12

event processing
 in calling standard for Alpha
 systems, *CallStandard* 5-1

event report
 generating, *SystemAdmin* D-3
 uerf command, *SystemAdmin* D-1

exception
 floating-point, *AsmLangGde* 4-5
 frame-based, *ProgGde* 11-5
 receiving, *AsynchronousTM* 6-2
 structured, *ProgGde* 11-5

exception frame
 examining with dbx debugger,
KernelDebug 2-7

exception handling
 application development
 considerations, *ProgGde* 11-1
 DECthreads, *DECthreads* 5-1
 header files, *ProgGde* 11-3
 in calling standard for Alpha
 systems, *CallStandard* 5-1

executable program
 creating, *ProgGde* 2-3, 2-16
 how to run, *ProgGde* 2-18

execution aliases in CDE help,
CDEHelp 72

**execution link control in CDE
 help**, *CDEHelp* 72

execution string, *CDEAdvUsr* 166

exp routine, *DPML* B-9, DPML-35

expm1 routine, *DPML* B-9, DPML-35

exporting file systems, *NetAdmin*
 8-9

exports file, *NetAdmin* 8-10, 8-11,
 8-12

expression, *DECC* 6-1

**Extended Industry Standard
 Architecture**,
See EISA bus, ISA bus

extended regular expression,
ProgSupTools 1-3

extensible SNMP,
See eSNMP

Exterior Gateway Protocol,
See EGP

**External Data Representation
 (XDR)**,
See XDR routine

external string table, *AsmLangGde*
 8-5

external symbol table,
AsmLangGde 8-8, 8-22

F

fabs routine, *DPML* B-10, DPML-36

factory installed software,
See FIS

failsafe session, *CDEUser* 37

Fast Ethernet, *TechOver* 3-17

fcntl.h file, *NetProgGde* 3-6

FDDI, *TechOver* 3-17

fddi_config command, *NetAdmin* 2-22

FDFS, *TechOver* 4-8

FFM, *TechOver* 4-8

fgrep,
See grep command

Fiber Distributed Data Interface,
See FDDI

file, *CommandShellGde* 2-1, 3-1
comparing, *CommandShellGde* 3-24
copying, *CommandShellGde* 3-19
copying (UUCP),
CommandShellGde 14-22
definition of, *CommandShellGde* 2-5
displaying, *CommandShellGde* 3-5
forwarding (UUCP),
CommandShellGde 14-14
including, *DECC* 8-11
linking, *CommandShellGde* 3-13
moving, *CommandShellGde* 3-22
printing, *CommandShellGde* 3-10
receiving (UUCP),
CommandShellGde 14-21
removing, *CommandShellGde* 3-27
renaming, *CommandShellGde* 3-22
sending (UUCP),
CommandShellGde 14-21

sorting contents of,
CommandShellGde 3-26

file access, *CommandShellGde* 5-1

file command, *CommandShellGde*
3-30

File Descriptor File System,
See FDFS

file descriptor table, *AsmLangGde*
8-5, 8-21

file header
flags (s_flags), *AsmLangGde* 7-8

file inclusion, *DECC* 8-11

File Manager, *CDECompanion* 3-1,
4-1
and CDE application development,
CDEProgOverview 7, 10, 11
using, *CDEUser* 81

file name, *CommandShellGde* 2-5

file ownership and security,
CDEUser 99

file permissions,
CommandShellGde 5-5

file synchronization
realtime, *Realtime* 8-1

file system, *CommandShellGde* 2-5,
SystemAdmin 7-2, *TechOver* 4-1
accelerating writes to, *Prestoserve*
3-3
exporting, *NetAdmin* 8-9
halting export of, *NetAdmin* 8-12
monitoring, *SystemTune* 9-1
replicated, *NetAdmin* C-8
tuning, *SystemTune* 9-2

File Transfer Protocol,
See FTP

file type
determining, *CommandShellGde*
3-30

File-on-File Mounting File System,

See FFM

filter, *CommandShellGde* 7–8

finger command,
CommandShellGde 10–2

Finger Protocol (FINGER),
TechOver 3–10

finite routine, *DPML* B–10, DPML–37

FIS, *InstallGde* 1–18
 documentation included on,
DocOverview 1–4

floating-point constant,
AsmLangGde 2–2

floating-point instruction set,
AsmLangGde 4–1

floating-point range and processing
 IEEE standard, *ProgGde* 2–4

floating-point rounding mode,
AsmLangGde 4–5

floor routine, *DPML* B–10, DPML–38

flow control
 convergence module,
AsynchronousTM 10–3
 hardware, *AsynchronousTM* 10–1
 in calling standard for Alpha
 systems, *CallStandard* 3–1
 software, *AsynchronousTM* 10–2

fmod routine, *DPML* B–10, DPML–39

focus management,
CDEInternatProg 90, 117

folder command in Mail,
CommandShellGde 11–13

font cache
 tuning size of, *InternatProg* 6–42

font list, *CDEInternatProg* 75, 80,
 83, 87, 93

font list specification,
CDEInternatProg 10

font renderer, *TechOver* 8–8

font server, *TechOver* 8–8

font set, *CDEInternatProg* 8, 78, 93,
 109

fonts
 administering, *CDEAdvUsr* 255
 and CDE application development,
CDEProgOverview 55
 bitmap fonts for local languages,
InternatProg 6–46
 changing, *CDEUser* 298
 for non-English languages,
CDEUser 296
 in CDE help, *CDEHelp* 63, 174, 260
 integrating into CDE applications,
CDEProgGde 17
 local-language PostScript,
InternatProg 6–28
 PostScript font renderers for X
 applications, *InternatProg* 6–44
 selecting, *CDEUser* 139
 standard CDE, *CDEProgGde* 18, 21

foreground process,
CommandShellGde 6–6
 canceling, *CommandShellGde* 6–11
 running, *CommandShellGde* 6–6

foreign language,
 See non-English environments

**Fortran language debugging
 support**, *Laddebug* 11–1

forwarding a file (UUCP),
CommandShellGde 14–14

fp_class routine, *DPML* B–11,
 DPML–40

frame-based exception handling,
ProgGde 11–5

framework
 sockets, *NetProgGde* 4–1
 STREAMS, *NetProgGde* 5–1

frexp routine, *DPML* B–11, DPML–41

Front Panel, *CDEUser* 61

- accessing applications from,
 - CDECompanion* 3–2
 - advanced customizations,
 - CDEAdvUsr* 211
 - and CDE application development,
 - CDEProgOverview* 6, 7, 11
 - fstab file**
 - and mounting remote files,
 - NetAdmin* 8–18
 - FTP**, *TechOver* 3–9
 - ftp subcommands**,
 - CommandShellGde* 12–5, 12–7, 12–8
 - full installation**,
 - See also* installation
 - choosing type of, *InstallGde* 5–7
 - processor-specific boot
 - instructions, *InstallGde* 4–1
 - quick start, *InstallGde* 1–1
 - user input summary, *InstallGde* 5–6
 - function prototype**, *DECC* 5–8
 - functions**, *DECC* 5–1
 - allowed sequence of in XTI,
 - NetProgGde* 3–20
 - comparison of XTI and sockets,
 - NetProgGde* 3–45
 - STREAMS, *NetProgGde* 5–6
 - Futurebus+**, *TechOver* 6–7
- G**
- gamma routine**, *DPML* DPML–46
 - gated daemon**, *NetAdmin* 2–8, *TechOver* 3–24
 - gated.conf file**, *NetAdmin* 2–8
 - gateways file**, *NetAdmin* 2–7
 - gauges**
 - CDE guidelines for, *CDEStyle* 9, 254
 - gawk**,
 - See* awk command
 - General Programming Documentation Kit**,
 - DocOverview* 1–8
 - description of books in,
 - DocOverview* 2–9
 - General User Documentation Kit**,
 - DocOverview* 1–8
 - description of books in,
 - DocOverview* 2–3
 - generic kernel**, *SystemAdmin* 5–2
 - genvmunix**,
 - See* booting
 - geometry management**,
 - CDEInternatProg* 89
 - get subcommand (ftp)**,
 - CommandShellGde* 12–5
 - GID**, *SystemAdmin* 9–5
 - GIOC_MMI_GETVERSION command**, *AsynchronousTM* 8–3
 - GIOC_MMI_PATH command**,
 - AsynchronousTM* 8–6
 - global offset table**,
 - See* got section
 - glossary in CDE help**, *CDEHelp* 27, 83
 - .got section**, *AsmLangGde* 9–13
 - relationship with .dynsym section,
 - AsmLangGde* 9–18
 - graphic file formats for CDE help**,
 - CDEHelp* 76
 - graphical user interface engine**
 - and CDE application development,
 - CDEProgOverview* 5, 12
 - grep command**, *ProgSupTools* 1–9
 - group**, *SystemAdmin* 9–1
 - creating in Application Builder,
 - AppBuilder* 89, 144
 - group file**, *CommandShellGde* 5–1

H

hardware checks before

installation, *InstallGde* 1–5

hardware exception

example of debugging,
KernelDebug 5–4

hardware product kit

bootlinking, *InstallGde* 2–33
in update installation, *InstallGde*
2–17
installing, *InstallGde* 6–2
kit directory structure,
ProdKitGde 5–2
loading and configuring,
InstallGde 2–36
preparing a kit in DCD format,
ProdKitGde 5–16
subset control program,
ProdKitGde 5–12

.hash section, *AsmLangGde* 9–21

hash table section

See hash section

header file

DECC 1–20, 9–1
including, *ProgGde* 2–9
sockets, *NetProgGde* 4–15
STREAMS, *NetProgGde* 5–5

help

CDEAdvUsr 66, 146, 162, 190,
235, *CommandShellGde* 1–9
CDE, *CDEUser* 32, 41
creating CDE, *CDEHelp* 14, 25,
32, 51
creating with Application Builder,
AppBuilder 67, 101, 140, 150
DECEvent, *DECEvent* 2–1
displaying graphics in CDE,
CDEHelp 76
guidelines for CDE, *CDEStyle* 82,
130, 185, 203

internationalizing CDE, *CDEHelp*
253

on help in CDE, *CDEHelp* 235

on items in CDE, *CDEHelp* 225

testing with Application Builder,
AppBuilder 101

topic hierarchy in CDE, *CDEHelp*
26, 37

help dialog box

creating and managing, *CDEHelp* 207
handling events in, *CDEHelp* 229

help entry point, *CDEHelp* 99, 240

help index

providing in CDE, *CDEHelp* 82

help key (F1)

enabling in CDE, *CDEHelp* 220

Help Manager, *CDECompanion* 1–7

help menu

providing in CDE, *CDEHelp* 224

help request

responding to CDE, *CDEHelp* 215

help search path, *CDEAdvUsr* 123

help server, *CDEAdvUsr* 89

help subcommand (ftp)

CommandShellGde 12–8

help system

and CDE application development,
CDEProgOverview 7, 34, 46
commands, *CDEHelp* 189

help topic organization in CDE

CDEHelp 11, 25

help user interface in CDE

CDEHelp 5

help volume

CDEAdvUsr 66
components of CDE, *CDEHelp* 25
creating CDE, *CDEHelp* 30
processing and displaying CDE,
CDEHelp 87
structure of CDE, *CDEHelp* 29
testing CDE, *CDEHelp* 99

HelpTag software, *CDEHelp* 88
 DTD, *CDEHelp* 195
 markup elements, *CDEHelp* 101

helptag.opt file, *CDEHelp* 36

home session, *CDEUser* 38, 145

home topic in CDE help, *CDEHelp* 7, 26, 39, 132, 240

Host Resources MIB, *NetAdmin* H-1

hosts file, *NetAdmin* 2-9

hosts.equiv file, *NetAdmin* 2-10

HSC (Hierarchical Storage Controller), *SystemAdmin* C-1

hung system
 forcing a crash dump on,
KernelDebug 4-13,
SystemAdmin 13-23

hyperlinks in CDE help files,
CDEHelp 64, 144

hypot routine, *DPML* B-11, *DPML*-42

I

I/O subsystem, *CommandShellGde* 6-1, *TechOver* 6-1

ICCC (Interclient Communications Conventions),
CDEInternatProg 19

ICCC compliance,
CDEInternatProg 122, 124

ICMP, *TechOver* 3-15

icon
 CDE guidelines for, *CDEStyle* 39, 40, 46, 48, 54, 70
 creating for the desktop,
CDEAdvUsr 201
 displaying, *CDEUser* 145
 in File Manager, *CDEUser* 111
 selecting, *CDEUser* 86

Icon Editor (dticon),
 See dticon Icon Editor

iconv interface, *CDEInternatProg* 56, 60

ID name
 rules for in CDE help, *CDEHelp* 44

identifier, *DECC* 1-6

identity
 changing, *CommandShellGde* 5-17

IEEE floating-point,
 See floating-point range and processing

ifaccess.conf file, *NetAdmin* 2-20

ifconfig command
 enabling access filtering with,
NetAdmin 2-20

ilogb routine, *DPML* B-11, *DPML*-43

Image Viewer
 viewing file, *CDECompanion* 5-7

include file,
 See header file

including files, *DECC* 8-11

incoming call
 accepting, *AsynchronousTM* 6-8
 receiving, *AsynchronousTM* 5-2
 rejecting, *AsynchronousTM* 6-8

index in CDE help, *CDEHelp* 82

inetd daemon, *NetProgGde* 4-54
 rpcgen support for,
OncRpcProgram 2-17
 using to start an RPC server,
OncRpcProgram 3-25

initialization file, *Laddebug* 15-1

initialization of applications
 in CDE, *CDEProgOverview* 34

inittab file
 customizing for LAT, *NetAdmin* 5-9

input

standard, *CommandShellGde* 6-1

input method, *CDECompanion* 5-8,
CDEInternatProg 13, 49, 87, 117,
InternatProg 6-5
handling in X application,
InternatProg 5-19
starting server for, *InternatProg* 6-6
X resource for, *InternatProg* 6-6

input model guidelines, *CDEStyle*
3, 147

input/output
redirecting, *CommandShellGde* 6-1

input/output multiplexing,
NetProgGde 4-55

install icon, *CDEUser* 62, 71, 72, 75

installation,
See also cloned installation,
custom installation, full
installation, update
installation
choosing type of full, *InstallGde* 5-7
cloning with RIS, *SharingSW* 8-1
error messages, *InstallGde* G-1
from command line, *InstallGde* 9-1
preinstallation tasks, *InstallGde* 1-1
preparing for if using AdvFS,
InstallGde A-6
preparing for if using LSM,
InstallGde A-1
preparing for if using LVM,
InstallGde A-4
preparing for if using Prestoserve,
InstallGde A-6
procedure, *InstallGde* 1-17
sample text-based custom,
InstallGde H-11
sample text-based default,
InstallGde H-1
setting up system after, *InstallGde*
7-1
types, *InstallGde* 1-12
UNIX shell option, *InstallGde* 1-16
worldwide, *InstallGde* 11-1

installation package in CDE
preparing, *CDEHelp* 243

installation setup window,
InstallGde 5-9

installation user interfaces,
InstallGde 1-3

installing Acrobat Reader,
InstallGde 8-5

installing associated products,
InstallGde E-1

installing hardware product kit
during full installation, *InstallGde*
6-8
on a running system, *InstallGde* 6-4
prerequisites, *InstallGde* 6-2

installing software subsets
mandatory subsets, *InstallGde* 5-21
optional subsets, *InstallGde* 5-23

**installing supplemental hardware
support**, *InstallGde* 6-1

**installing worldwide language
support**, *InstallGde* 1-19

instructions
disassembling using kdbx,
KernelDebug 2-20

**Interclient Communications
Conventions**,
See ICC

interface
ATM, *AsynchronousTM* 1-3

interface parameter
requesting, *AsynchronousTM* 6-3

**intermediate hosts used in file
transfers (UUCP)**,
CommandShellGde 14-14

international text drawing,
CDEInternatProg 80

international text input,

CDEInternatProg 87

internationalization,

CDEInternatProg 2,

SystemAdmin 4–19, TechOver 10–1

and distributed networks,

CDEInternatProg 55

asort utility, *TechOver 10–7*

configuring localized desktop

sessions for, *CDEAdvUstr 275*

creating locales, *TechOver 10–7*

DECwindows X clients, *TechOver 10–10*

handling cultural data in

programs, *InternatProg 2–12*

handling text presentation and

input, *InternatProg 2–16*

implications for software

development, *InternatProg 1–1*

in CDE, *CDEInternatProg 21*

mail support for ideogrammatic

languages, *TechOver 10–8*

Motif dependencies in CDE,

CDEInternatProg 73

Motif widget support, *TechOver 10–9*

of CDE applications,

CDEProgOverview 54

of CDE help, *CDEHelp 253*

printing, *TechOver 10–7*

supported languages, *TechOver 10–2*

user-defined characters, *TechOver*

10–8

working in a native-language

environment, *InternatProg 6–1*

X/Open WPI interfaces,

InternatProg A–1

Xt and Xlib dependencies in CDE,

CDEInternatProg 101

internationalization features

using, *CommandShellGde C–1*

internationalization standards,

CDEInternatProg 4

internationalized User Interface Language (UIL),

CDEInternatProg 92

Internet,

See also TCP

host requirements, *TechOver A–1*

Internet Boot Protocol daemon,

See BOOTP

Internet Control Message Protocol,

See ICMP

Internet Protocol,

See IP

InterNIC

and IP address, *NetAdmin 2–4*

interoperability problems

solvable with ToolTalk,

ToolTalkMsg 3

interprocess communications

mechanisms used for, *ProgGde 1–7*

interrupt driven socket I/O,

NetProgGde 4–58

invocation procedure

in calling standard for Alpha

systems, *CallStandard 7–1*

IP, *TechOver 3–3, 3–13*

IP address, *NetAdmin 2–4*

and InterNIC, *NetAdmin 2–4*

obtaining using DNS, *NetAdmin 6–13*

IP multicasting, *NetProgGde 4–47,*

TechOver 3–13

IP router, *NetAdmin 2–8*

IP switching

characteristics, *AsynchronousTM*

2–3

configuration steps,

AsynchronousTM 2–23

planning for configuration,

AsynchronousTM 2–12

IPC,

See interprocess
communications

ISA bus, *TechOver* 6-4

isnan routine, *DPML* B-12, *DPML*-44

**ISO EUC, ISO646-IRV, ISO8859,
ISO8859-1 code sets**,
CDEInternatProg 66

ISO standards

application development
considerations, *ProgGde* 1-2

J

j0 routine, *DPML* B-12, *DPML*-12

j1 routine, *DPML* B-12, *DPML*-12

Japanese,

See non-English environments

Java

documentation for, *DocOverview* 3-3

jn routine, *DPML* B-12, *DPML*-12

jobs command, *CommandShellGde*
6-9

joind daemon, *NetAdmin* 3-16

K

kdbx debugger, *KernelDebug* 2-11
command aliases, *KernelDebug* 2-14
command syntax, *KernelDebug* 2-11
compiling custom extension for,
KernelDebug 3-40
debugging extensions to,
KernelDebug 3-41
extensions, *KernelDebug* 2-14
library functions, *KernelDebug* 3-2
writing extensions to, *KernelDebug*
3-1

kdebug debugger, *KernelDebug*
2-39, *Ladebug* 22-14

invoking, *KernelDebug* 2-43

problems with setup of,
KernelDebug 2-45

requirements for, *KernelDebug* 2-40

setting up, *KernelDebug* 2-41

KDM controller, *TechOver* 6-14

kernel,

See also *vmunix.n* file

generic, *SystemAdmin* 5-2

installing ATM options,

AsynchronousTM 2-6

preemptive vs. nonpreemptive,

Realtime 1-5

testing, *KernelDebug* 2-39

tuning, *SystemTune* 4-6

verifying ATM options,

AsynchronousTM 2-6

kernel attribute, *SystemTune* 4-6

kernel configuration,

SystemAdmin 5-1

kernel debugging, *KernelDebug*

1-1, *TechOver* 13-6

debugging customized tools,

KernelDebug 3-41

developing customized tools,

KernelDebug 3-1

remote, *KernelDebug* 2-39,

Ladebug 22-14

using dbx debugger, *KernelDebug*
2-2

using kdbx debugger, *KernelDebug*
2-11

using kdebug debugger,

KernelDebug 2-39

using Ladebug debugger, *Ladebug*
22-1

kernel-level function

STREAMS, *NetProgGde* 5-17

kernel routine

ATM, *AsynchronousTM* B-1

kernel subsystem

configuring STREAMS drivers,
NetProgGde 5–25
configuring STREAMS modules,
NetProgGde 5–25

key binding, *CDEAdvUsr* 252

key engraving

CDE guidelines for, *CDEStyle* 257

keyboard

basic skills, *CDEUser* 3
LK-style with PCXAL,
CDECompanion 8–5
PC-style with LK201/LK401,
CDECompanion 8–5
window emulation of, *InternatProg*
6–4

keyboard focus model guidelines,

CDEStyle 147

keyboard function guidelines,

CDEStyle 257

keyboard input

customizing in localization,
CDEInternatProg 121

keyboard mapping

for space bar and enter key,
CDEStyle 267

keyboard options, *CDECompanion*

5–9

keyboard shortcuts, *CDEUser* 283**keycaps**, *CDECompanion* 5–11**keysyms**, *CDEInternatProg* 121**keyword**, *DECC* 1–8**kill command**, *CommandShellGde*

6–12

Korean,

See non-English environments

Korn shell, *CommandShellGde* 7–1,
8–1**.kshrc login script**,

CommandShellGde 7–17, 8–20

L**label**

implementing with Application
Builder, *AppBuilder* 137, 140,
145

Ladefug command line, *Ladefug*
REF–1**Ladefug debugger**, *TechOver* 7–2

Ada language debugging support,
Ladefug 12–1

aliases, *Ladefug* 7–5, REF–17

C++ language debugging support,
Ladefug 10–1

COBOL language debugging
support, *Ladefug* 13–1

command line interface, *Ladefug*
7–1

commands, *Ladefug* REF–3

core file debugging, *Ladefug* 14–1

crash dump analysis, *Ladefug* 22–7
features, *Ladefug* 1–2

Fortran language debugging
support, *Ladefug* 11–1

graphical user interface, *Ladefug*
2–1

initialization file, *Ladefug* 15–1

kernel debugging, *Ladefug* 22–1

machine-code debugging, *Ladefug*
18–1

multilanguage program debugging,
Ladefug 11–14, 12–2, 13–10

multiprocess application
debugging, *Ladefug* 20–1

multithreaded application
debugging, *Ladefug* 19–1

remote debugging, *Ladefug* 21–1

scripts, *Ladefug* 15–1

shared libraries debugging,
Ladefug 16–1

- variables, *Ladebug* REF-28
- verbose mode debugging, *Ladebug* 10-20
- LAN emulation,**
See LANE
- LAN setup for DMS,** *SharingSW* 10-3
- LAN setup for RIS,** *SharingSW* 3-5
- LANE**
 - characteristics, *AsynchronousTM* 2-2
 - configuration steps,
AsynchronousTM 2-20
 - management tasks,
AsynchronousTM 2-28
 - planning for configuration,
AsynchronousTM 2-9
- language announcement in programs,** *InternatProg* 1-4
- LAT**
 - configuring with *latsetup*,
NetAdmin 5-6
 - creating your own service,
NetAdmin 5-17
 - dedicated tty device on a terminal,
NetAdmin 5-18
 - devices, *NetAdmin* 5-6
 - gateway service, *NetAdmin* 5-15
 - host-initiated connection,
NetAdmin 5-13
 - outgoing connections, *NetAdmin* 5-14
 - printer setup, *NetAdmin* 5-10
 - troubleshooting, *NetAdmin* 13-33
- latsetup command,** *NetAdmin* 5-6
- layered applications**
 - documentation for, *DocOverview* 1-8
- layered product installation,**
InstallGde 10-3
- layered product kit,** *ProdKitGde* 1-1
 - building subsets and control files,
ProdKitGde 4-1
 - directory structure, *ProdKitGde* 2-1
 - producing distribution media,
ProdKitGde 6-1
- lazy binding,** *AsmLangGde* 9-15
- lcd subcommand (ftp),**
CommandShellGde 12-7
- ld command,** *ProgGde* 2-16
- ldexp routine,** *DPML* B-13, *DPML*-45
- learp command,** *AsynchronousTM* 2-28
- leave statement,** *ProgGde* 11-13
- lex program,** *ProgSupTools* 4-1
- lexicon,** *DECC* 1-1
- lgamma routine,** *DPML* B-13,
DPML-46
- lgamma_max_float boundary value,** *DPML* A-4
- libexc exception library,** *ProgGde* 11-1
- .liblist section,** *AsmLangGde* 9-23
- library,**
See also shared library
ANSI C standard, *DECC* 9-1
run-time, *TechOver* 7-11
TLI, *NetProgGde* 3-6
XTI, *NetProgGde* 3-6
- library call**
 - sockets, *NetProgGde* 4-10
- library routine**
 - for writing *kdbx* extensions,
KernelDebug 3-2
- library, software**
 - specifying, *ProgGde* 2-17
- libtli.a library,** *NetProgGde* 3-6
- libxti.a library,** *NetProgGde* 3-6
- license,**
See also LMF
canceling, *LicenseManage* 2-11
deleting, *LicenseManage* 2-12

- disabling, *LicenseManage* 2-10
- enabling, *LicenseManage* 2-10
- issuing, *LicenseManage* 2-11
- loading, *LicenseManage* 2-7
- registering, *LicenseManage* 2-3
- unlimited, *LicenseManage* 2-2
- unloading, *LicenseManage* 2-9
- updating, *LicenseManage* 2-12
- license database for LMF**,
LicenseManage 1-2
- License Management Facility**,
See LMF
- license terms and conditions**,
LicenseManage 1-3
- license unit**, *LicenseManage* 1-2
- License Unit Requirements Table**,
See LURT
- license-checking function**,
LicenseManage 1-2, 1-11
- line number table**, *AsmLangGde*
8-3, 8-9
- link**
in CDE help file, *CDEHelp* 64, 144
symbolic, *CommandShellGde* 4-7
- linkage**, *DECC* 2-11
- linkage conventions**
general, *AsmLangGde* 6-3
memory allocation, *AsmLangGde*
6-17
- linking files**, *CommandShellGde* 3-13
- linking, dynamic**, *AsmLangGde* 9-4
- lint**
coding problem checker, *ProgGde*
6-1
- listing directory contents**,
CommandShellGde 3-2
- .lita section**, *AsmLangGde* 6-5
- little endian**,
See byte ordering
- LMF (License Management Facility)**, *LicenseManage* 1-1
- activity license, *LicenseManage* 1-5
- availability license,
LicenseManage 1-4
- commands, *LicenseManage* 2-1
- history file, *LicenseManage* 2-19
- license checking, *LicenseManage* 1-6
- license database, *LicenseManage*
1-2
- license terms and conditions,
LicenseManage 1-3
- license units, *LicenseManage* 1-2
- license-checking function,
LicenseManage 1-2, 1-11
- LURT, *LicenseManage* 1-2
- messages, *LicenseManage* A-1
- OSF_USR license, *LicenseManage*
2-2
- PAAM, *LicenseManage* 1-7, 2-12
- lmf utility**, *LicenseManage* 1-2, 2-1
- lmfsetup script**, *LicenseManage* 1-2
- ln command**, *CommandShellGde* 3-13
- ln routine**, *DPML* B-13, DPML-47
- loadable driver**
debugging, *Laddebug* 22-20
- loader, dynamic**, *AsmLangGde* 9-4
shared library, *TechOver* 7-10
- loading a program**, *AsmLangGde* 9-3
- Local Area Transport**,
See LAT
- local communication facility**
sending messages with write
command, *CommandShellGde*
11-21
- local management service**
in DLPI, *NetProgGde* 2-5
- local string table**, *AsmLangGde* 8-5
- local symbol table**, *AsmLangGde*
8-4, 8-14

- locale**, *CDEInternatProg* 2,
CommandShellGde C-1,
InternatProg 1-2, *SystemAdmin*
4-14
 - binding to program's run-time
environment, *InternatProg* 2-20
 - building and testing, *InternatProg*
7-54
 - creating, *InternatProg* 7-1,
TechOver 10-7
 - managing, *CDEInternatProg* 21, 101
 - multibyte and single byte,
CDEProgOverview 54
 - setting, *InternatProg* 6-2
- localization**,
See also internationalization
implications for software
development, *InternatProg* 1-2
- localized catalog and resource
files**, *CDEInternatProg* 126
- localized desktop session**
configuring, *CDEAdvUsr* 275
running, *CDEUser* 295
- localized resource**,
CDEInternatProg 45
- localized text**, *CDEInternatProg* 30,
34, 40
- log routine**, *DPML* DPML-47
- log10 routine**, *DPML* B-14, DPML-47
- log1p routine**, *DPML* B-14, DPML-47
- log2 routine**, *DPML* B-13, DPML-47
- logarithm**
 - ilogb, compute unbiased
component, *DPML* DPML-43
 - logb, convert to double-precision
floating-point, *DPML* DPML-48
- logb routine**, *DPML* B-14, DPML-48
- logging in**, *CommandShellGde* 1-1,
Security 2-1
remotely, *CommandShellGde* 13-1
 - to CDE session, *CDEUser* 36
- logging out**, *CommandShellGde* 1-4
of CDE session, *CDEUser* 31, 36
- logical partition**
configuring, *SystemAdmin* E-10
- Logical Storage Manager**,
See LSM
- login command**, *CommandShellGde*
1-1
- .login login script**
modifying for System V habitat,
CommandShellGde 9-2
- Login Manager**
configuring, *CDEAdvUsr* 1
- login screen**, *CDEAdvUsr* 6, 11
- login script**
 - .cshrc script, *CommandShellGde*
7-17, 8-3
 - .kshrc script, *CommandShellGde*
7-17, 8-20
 - .login script, *CommandShellGde*
7-17, 8-3
 - .profile script, *CommandShellGde*
7-17, 8-14
- login server**, *CDEAdvUsr* 1, 3, 18,
20, 94
- lpd daemon**, *SystemAdmin* 10-19
- lpq command**, *CommandShellGde*
3-13
- lpr command**, *CommandShellGde*
3-10
- lprm command**, *CommandShellGde*
3-13
- lprsetup**, *SystemAdmin* 10-9
- ls (list directory contents)
command**, *CommandShellGde*
3-2
- ls subcommand (ftp)**,
CommandShellGde 12-7

LSM, *InstallGde* A-1,
StorageManager 1-1,
SystemAdmin 8-1, *TechOver* 4-9
 commands, *StorageManager* 6-1,
 7-1, 8-1, C-1
 components, *StorageManager* 1-6
 configuration limits,
StorageManager 1-6
 configurations, *StorageManager* 2-1
 disk group operations,
StorageManager 6-1, 9-17,
 12-1
 disk operations, *StorageManager*
 6-1, 9-3, 12-1
 encapsulation process,
StorageManager 4-1
 error messages, *StorageManager*
 B-1
 examples, *StorageManager* C-1
 features, *StorageManager* 1-4
 file system operations,
StorageManager 7-1, 12-17
 graphical interface (dxlsm),
StorageManager 10-1, 11-1,
 12-1
 improving performance,
SystemTune 8-6, 8-7
 installation requirements,
StorageManager 1-5
 licensing requirements,
StorageManager 1-5
 menu interface (voldiskadm),
StorageManager 9-1
 mirrored disk volume,
StorageManager 2-6
 mirroring root volume,
StorageManager 5-1
 mirroring swap volume,
StorageManager 5-1
 monitoring, *SystemTune* 8-16
 performance, *SystemTune* 2-12
 plex operations, *StorageManager*
 8-1, 8-8
 setup procedures, *StorageManager*
 3-1

striped volume, *StorageManager* 2-4
 subdisk operations,
StorageManager 8-1
 troubleshooting, *StorageManager*
 B-1
 tuning, *StorageManager* 15-1,
SystemTune 8-19
 vold daemon, *StorageManager* 1-7
 voliod daemon, *StorageManager* 1-7
 volume device driver,
StorageManager 1-6
 volume operations,
StorageManager 7-1, 9-20,
 12-7

**LURT (License Unit
 Requirements Table)**,
LicenseManage 1-2

lvalue, *DECC* 2-18

LVM, *InstallGde* A-1

M

m4 macro preprocessor,
ProgSupTools 5-1

machine-code debugging, *Ladebug*
 18-1

macro, *DECC* 8-2
 m4 macro preprocessor,
ProgSupTools 5-1
 predefined, *DECC* 8-15

magic number, *ProgGde* 2-21

magnetic tape drive
 adding, *SystemAdmin* 6-7

mail, *NetAdmin* 11-1
 administering aliases, *NetAdmin*
 11-18
 and DECnet, *NetAdmin* 11-5
 configuring a mail client,
NetAdmin 11-13
 configuring a mail server,
NetAdmin 11-14

- configuring a standalone system, *NetAdmin* 11-13
- converting to CDE format, *CDECompanion* 10-1
- differences between dtmail and dxmail, *CDECompanion* A-1
- enhancements for Asian languages, *InternatProg* 6-32
- error messages, *NetAdmin* G-1
- folders, *CommandShellGde* 11-12
- gateway, *NetAdmin* 11-3
- Message Handling (MH) program, *CommandShellGde* 11-17
- talk command, *CommandShellGde* 11-23
- troubleshooting, *NetAdmin* 13-40
- using CDE Mailer, *CDEUser* 147
- using Mail, *CommandShellGde* 11-1
- using Message Handling (MH) program, *CommandShellGde* 11-17, 11-21
- variables, *CommandShellGde* 11-16
- write command, *CommandShellGde* 11-21
- mail utility**, *NetAdmin* 11-16
See also dtmail utility, mailx utility
- mailbox**
in CDE, *CDEUser* 161
- mailconfig application**, *NetAdmin* 11-12
- Mailer**,
See dtmail utility, mail utility, mailx utility
- mailing calendar appointments, reminders**, *CDEUser* 232, 233
- mailq command**, *NetAdmin* 11-17
- mailstats command**, *NetAdmin* 11-19
- mailx utility**, *CommandShellGde* 11-1, *NetAdmin* 11-16
- Main Panel**, *CDEUser* 61, 66, 69, 74, 129
- main window layout guidelines**, *CDEStyle* 73, 193
- make utility**, *ProgSupTools* 7-1
- makedbm command**, *NetAdmin* 7-19, 7-21
- man command**, *CommandShellGde* 1-9
- Management Information Base**,
See MIB
- manpage**,
See reference page
- manuals**,
See documentation
- markup of CDE help files**, *CDEHelp* 28, 101
- max_float boundary value**, *DPML* A-1
- mbox file**, *CommandShellGde* 11-10
- memory**
 - allocating for ATM, *AsynchronousTM* 3-9
 - configuring, *SystemTune* 2-5
 - increasing, *SystemTune* 6-28
 - monitoring, *SystemTune* 6-17
 - operation, *SystemTune* 6-1
 - paging, *SystemTune* 6-13
 - reclaiming pages, *SystemTune* 6-10
 - requirements, *SystemTune* 2-5
 - shared, *SystemTune* 6-37
 - swap space, *SystemTune* 2-6
 - swapping, *SystemTune* 6-14
 - tuning, *SystemTune* 5-4
- Memory File System**,
See MFS
- memory locking**
realtime, *Realtime* 4-1
- memory mapped file support**,

- See mmap*
- menu**
 - attaching in Application Builder, *AppBuilder* 50, 93
 - basic skills, *CDEUser* 25
 - manipulating with Application Builder, *AppBuilder* 45, 104, 138, 148
 - testing with Application Builder, *AppBuilder* 101
- menu bar layout guidelines**, *CDEStyle* 195
- menu button widget**
 - in CDE application development, *CDEProgGde* 89
- message**, *CDEInternatProg* 125
 - CDE guidelines for, *CDEInternatProg* 41, 127, *CDEStyle* 127, 229
 - ending, end-of-file symbol (EOF), *CommandShellGde* 11-22, 11-23
 - extraction functions for, *CDEInternatProg* 42
 - implementing with Application Builder, *AppBuilder* 58
 - LMF, *LicenseManage* A-1
 - realtime, *Realtime* 10-1
 - sending using the write command, *CommandShellGde* 11-21, 12-9
- message buffer, preserved**
 - examining with dbx debugger, *KernelDebug* 2-8
- message catalog**
 - and CDE help, *CDEHelp* 258, 265
 - creating source files for, *InternatProg* 3-1
 - design and maintenance considerations, *InternatProg* 3-20
 - editing and translating, *InternatProg* 3-15
 - generating from message sources, *InternatProg* 3-16
- message handler (mh)**, *NetAdmin* 11-16
- Message Handling program**, *See* MH (Message Handling) program
- message queue**
 - realtime, *Realtime* 10-1
- message set**, *ToolTalkMsg* 62, 64
- messaging in ToolTalk**
 - how to use, *ToolTalkMsg* 15
- messaging toolkit**, *ToolTalkMsg* 47
- meta information in CDE help**, *CDEHelp* 27, 41, 71, 172
- MFS**, *TechOver* 4-7
- mget subcommand (ftp)**, *CommandShellGde* 12-5
- MH (message handling) program**, *CommandShellGde* 11-17, 11-21
- MIB**
 - Host Resources, *NetAdmin* H-1
 - notifying CMM of access, *AsynchronousTM* 5-5
- min_float boundary value**, *DPML* A-2
- mirrored disk**
 - LSM, *StorageManager* 2-6, 5-1
- mixed-language program**
 - debugging, *Ladebug* 11-14, 12-2, 13-10
- mkdir subcommand (ftp)**, *CommandShellGde* 12-7
- mmap**, *TechOver* 7-13
- MMI**
 - calling conventions, *AsynchronousTM* 8-6
 - connecting convergence module to, *AsynchronousTM* 6-3
 - convergence module, *AsynchronousTM* 8-7

- creating path, *AsynchronousTM* 8-2
- defining ioctl commands,
 - AsynchronousTM* 8-4
- device driver, *AsynchronousTM* 8-6
- signaling module,
 - AsynchronousTM* 8-7
- verifying ioctl version,
 - AsynchronousTM* 8-3
- mnemonic assignments for menu choices**, *CDEStyle* 265
- mnemonics**
 - CDE guidelines for, *CDEStyle* 8, 172, 183, 265
 - device, *SystemAdmin* A-1
- modem**
 - connecting, *SystemAdmin* 2-5
 - guidelines, *NetAdmin* 4-15, 4-23
 - using with SLIP, *NetAdmin* 4-3
- modf routine**, *DPML* B-14, DPML-49
- module**
 - in an Application Builder project, *AppBuilder* 13, 58
- Module Browser**, *AppBuilder* 26, 128
- Module Management Interface**,
See MMI
- monetary value**
 - formatting rules in a locale, *InternatProg* 7-15
- monitoring the system**,
 - SystemAdmin* 4-23, *SystemTune* 3-1
- monitoring UUCP status**,
CommandShellGde 14-32
- more command**, *CommandShellGde* 3-6
- Motif**, *TechOver* 8-9, *XWinSysEnv* 1-1
 - and CDE application development, *CDEProgOverview* 4, 13, 26, 32, 37, 54, 64, 79, xiii, xv
- Motif dependencies in CDE internationalization**,
CDEInternatProg 73
- Motif graphical user interface**
 - enhancements for native languages, *InternatProg* 6-41
- Motif libraries**, *CDEProgGde* 70
- Motif widgets and CDE application development**,
CDEProgGde 69,
CDEProgOverview 65
- Motif Window Manager (MWM)**
 - default Tru64 UNIX window manager, *XWinSysEnv* 1-1
- mount command**, *NetAdmin* 8-17, 8-19
- mountd daemon**, *NetAdmin* 8-11
- mounting online documentation CD-ROM**, *InstallGde* 8-2
- mouse**
 - basic skills, *CDEUser* 2
 - CDE guidelines for, *CDEStyle* 6, 29, 162, 166, 269
- moving a file**, *CommandShellGde* 3-22
- mput subcommand (ftp)**,
CommandShellGde 12-5
- .msym section**, *AsmLangGde* 9-20
- multicasting**, *NetProgGde* 4-47
- multihead graphic support**,
TechOver 8-5
- multilanguage program**
 - compiling, *ProgGde* 2-15
 - debugging, *Laddebug* 11-14, 12-2, 13-10
 - include files for, *ProgGde* 2-10
- multiplexing**, *NetProgGde* 4-55
- multiprocess application**
 - debugging, *Laddebug* 20-1
- multithreaded application**,

- See also* DECthreads software debugging, *DECthreads* D-1, *Ladebug* 9-1
 - developing, *DECthreads* 1-1
 - developing libraries for, *ProgGde* 12-1
 - how to build, *ProgGde* 12-9
 - multiuser collaboration in CDE application development**, *CDEProgOverview* 6
 - mutex**, *DECthreads* 2-26, 4-3
 - mv command**, *CommandShellGde* 3-22, 4-10
- N**
- name space**, *DECC* 2-19
 - Name/Finger Protocol**,
See Finger Protocol (FINGER)
 - naming conventions**
CDE desktop, *CDEProgOverview* 32
 - naming services**, *TechOver* 3-27
 - naming services configuration file**
svc.conf file, *TechOver* 3-27
 - navigation guidelines**, *CDEStyle* 4, 150
 - NetRAIN**
configuring an interface, *NetAdmin* 2-18
monitoring the interface, *NetAdmin* 2-20
 - Netscape Navigator**
using to view online documentation, *InstallGde* 8-3
 - netstat command**, *NetAdmin* 2-21, B-1
 - network**
administering, *NetAdmin* 1-1
 - internationalization and, *CDEInternatProg* 55
 - monitoring, *SystemTune* 10-1
 - reporting problems, *NetAdmin* 16-1
 - troubleshooting, *NetAdmin* 13-3, 14-1
 - tuning, *SystemTune* 10-7
 - network adapter**, *TechOver* 3-16
 - network address**
and sockets, *NetProgGde* 4-38
 - network administration**,
NetAdmin 1-1
 - network availability**, *SystemTune* 2-18
 - network configuration**
broadcasting and determining, *NetProgGde* 4-51
desktop configuration, *CDEAdvUsr* 85
 - Network File System**,
See NFS
 - Network Information Service**,
See NIS
 - network interface**
monitoring, *NetAdmin* B-1
 - network programming environment**
application programming
interfaces, *TechOver* 3-18
 - network security**, *Security* 3-1
 - network subsystem**, *TechOver* 3-1
 - Network Time Protocol**,
See NTP
 - network-transparent event**
using ToolTalk to implement, *ToolTalkMsg* 4
 - NetWorker SingleServer**,
SystemAdmin 11-2
 - networks file**, *NetAdmin* 2-10

- nextafter routine**, *DPML* B-15, DPML-50
- NFS**, *SystemAdmin* 7-2, *TechOver* 3-9, 4-3
 - and BIND, *NetAdmin* 8-1
 - and NIS, *NetAdmin* 8-1
 - and superuser mail, *NetAdmin* 8-13
 - automount, *NetAdmin* 8-1
 - environment, *Prestoserve* 1-3
 - error messages, *NetAdmin* E-1
 - improving file security, *NetAdmin* 8-11
 - monitoring, *SystemTune* 9-46
 - monitoring system load, *NetAdmin* 8-15
 - mounting a remote file system, *NetAdmin* 8-16
 - network problems, *Prestoserve* 1-4
 - Prestoserve impact on
 - performance, *Prestoserve* 1-8
 - troubleshooting, *NetAdmin* 13-18, 13-21
 - tuning, *SystemTune* 9-50
- NFS client**
 - configuring, *NetAdmin* 8-8
 - managing, *NetAdmin* 8-16
 - problems, *Prestoserve* 1-5
- NFS mounted RIS area**, *SharingSW* 4-13
- NFS server**
 - configuring, *NetAdmin* 8-7
 - managing, *NetAdmin* 8-9
 - monitoring ports, *NetAdmin* 8-14
 - problems, *Prestoserve* 1-6
- NFS setup for DMS**, *SharingSW* 10-3
- nfsconfig application**, *NetAdmin* 8-6
- nfsstat command**, *NetAdmin* 8-15
- nint routine**, *DPML* B-15, DPML-51
- NIS**
 - adding users to a domain, *NetAdmin* 7-22
 - changing a password, *NetAdmin* 7-29
 - databases distributed by, *NetAdmin* 7-2
 - modifying svc.conf, *NetAdmin* 7-18
 - obtaining map information, *NetAdmin* 7-29
 - security, *NetAdmin* 7-28
 - troubleshooting, *NetAdmin* 13-10, 13-14
 - updating maps, *NetAdmin* 7-23
- NIS client**
 - configuring, *NetAdmin* 7-16
 - managing, *NetAdmin* 7-29
- NIS server**
 - configuring a master server, *NetAdmin* 7-9
 - configuring a slave server, *NetAdmin* 7-13
 - managing, *NetAdmin* 7-19
 - update scripts, *NetAdmin* D-1
- nissetup command**, *NetAdmin* 7-8
- NMAGIC file**, *AsmLangGde* 7-22
 - segment access permissions, *AsmLangGde* 9-2
- non-English environments**
 - documentation for working in, *DocOverview* 3-6
- noninteractive editing**, *See* sed editor
- nr interface**, *NetAdmin* 2-18
- nslookup command**, *NetAdmin* 6-13, 15-18
- NTP**, *TechOver* 3-29
 - configuring, *NetAdmin* 10-5
 - displaying status, *NetAdmin* 10-9
 - Internet time servers, *NetAdmin* 10-4
 - local reference clock, *NetAdmin* 10-4
 - troubleshooting, *NetAdmin* 13-26
- ntp command**, *NetAdmin* 10-10
- ntpd daemon**, *NetAdmin* 10-10

ntpdate command, *NetAdmin* 10–10
ntpd command, *NetAdmin* 10–10
ntpq command, *NetAdmin* 10–8
ntpsetup command, *NetAdmin* 10–5
numeric value
 formatting rules in a locale,
 InternatProg 7–18

O

object

 attaching with Application
 Builder, *AppBuilder* 93, 99
 connecting with Application
 Builder, *AppBuilder* 60, 70,
 71, 72
 grouping with Application Builder,
 AppBuilder 89

object file

 determining section sizes, *ProgGde*
 2–21
 disassembling into machine code,
 ProgGde 2–21
 dumping selected parts of,
 ProgGde 2–19

object file format, *AsmLangGde* 7–1

object file tools, *ProgGde* 2–19

object file type

 demand paged (ZMAGIC) files,
 AsmLangGde 7–24
 impure format (OMAGIC) files,
 AsmLangGde 7–21
 shared text (NMAGIC) files,
 AsmLangGde 7–22

object table

 eSNMP, *NetProgGde* 6–8

OffTheSpot mode preedit area,
 CDEInternatProg 15

OMAGIC file, *AsmLangGde* 7–21

 segment access permissions,
 AsmLangGde 9–2

ONC RPC,

See RPC

online documentation, *InstallGde*
 8–1

 copying to disk, *InstallGde* 8–7
 displaying with Acrobat Reader,
 InstallGde 8–6

 displaying with Netscape
 Navigator, *InstallGde* 8–3

open host subcommand (telnet),

CommandShellGde 13–4

Open Shortest Path First Routing,

See OSPF

open subcommand (ftp),

CommandShellGde 12–5

operating system

 lists of patches for, *DocOverview* 3–7
 overview, *CommandShellGde* 1–1
 processes, *CommandShellGde* 6–1

Operating System CD-ROM,

InstallGde D–1

operator, *DECC* 1–9, 6–1

optimization

 compilation options, *ProgGde* 2–16
 effect on debugging, *Ladebug*
 11–16, 12–11
 techniques, *ProgGde* 10–1

optimization symbol table,

AsmLangGde 8–5

option button guidelines,

CDEStyle 8, 243

options

 XTI, *NetProgGde* 3–51

ordering information for Tru64

UNIX documentation,

DocOverview 6–1

orderly release, *NetProgGde* 3–9

OSF/Motif, *XWinSysEnv* 1-1

OSF_USR license, *LicenseManage* 2-2

OSPF, *TechOver* 3-8

out-of-band data
handling in the socket framework,
NetProgGde 4-45

output
standard, *CommandShellGde* 6-1

OverTheSpot mode preedit area,
CDEInternatProg 16

P

PAAM (Product Authorization Amendment), *LicenseManage* 1-7
current business policy,
LicenseManage 2-12

page faulting, *SystemTune* 6-9

paging, *SystemTune* 6-13
and swapping, *SystemAdmin* 7-4

PAK (Product Authorization Key), *LicenseManage* 1-6
See also LMF
fields on, *LicenseManage* 1-8
obtaining, *LicenseManage* 1-7
sample PAK license fields,
LicenseManage 1-8

PALcode instruction summary,
AsmLangGde D-1

palette
color, *CDEUser* 135
Controls, *AppBuilder* 124
Panels, *AppBuilder* 121
Windows, *AppBuilder* 118

palette object
dragging and dropping,
AppBuilder 22

pane
manipulating with Application
Builder, *AppBuilder* 6, 40, 138

panel guidelines, *CDEStyle* 244

Panes palette, *AppBuilder* 121

passwd file, *CommandShellGde* 5-1,
SystemAdmin 9-9
and NIS, *NetAdmin* 7-22

password, *CommandShellGde* 1-6,
SystemAdmin 9-9
changing in NIS, *NetAdmin* 7-29
security tips, *Security* 2-3
setting with enhanced security
enabled, *Security* 2-3

patches to operating system
lists of for operating system
versions, *DocOverview* 3-7

PATH environment variable
setting for System V habitat,
CommandShellGde 9-2

pathname, *CommandShellGde* 2-8
relative, *CommandShellGde* 4-5

pathname conventions (UUCP),
CommandShellGde 14-1

PC-NFS daemon, *NetAdmin* 8-7

PC-style keyboard,
CDECompanion 8-5

PCI bus, *TechOver* 6-3

PCMCIA card
configuring, *SystemAdmin* E-1

performance,
See also tuning
application, *SystemTune* 11-5
availability, *SystemTune* 1-15
characterizing a workload,
SystemTune 2-1
configuration and tuning
methodology, *SystemTune* 1-1
CPU, *SystemTune* 7-5
diagnosing problems, *SystemTune*
3-1

- hardware, *SystemTune* 2-3, 2-8
- improving, *SystemTune* 4-1
- measuring, *SystemTune* 1-3
- memory operation, *SystemTune* 6-1
- modifying the kernel, *SystemTune* 4-6
- monitoring, *SystemAdmin* 4-23, *SystemTune* 3-1, 3-3, 3-4
- network, *SystemTune* 10-1
- system resources, *SystemTune* 5-1
- performance file system**, *SystemTune* 9-1
- performance history** monitoring, *TechOver* 13-8
- Performance Manager**, *SystemAdmin* 4-25
- Performance Monitor**, *SystemAdmin* 4-24
- permanent virtual circuit**, *See* PVC
- permissions**, *CommandShellGde* 5-3 changing, *CommandShellGde* 5-8
- pg command**, *CommandShellGde* 3-6
- ping command**, *NetAdmin* 14-1
- pipe character**, *CommandShellGde* 7-8
- pixmap** localizing, *CDEInternatProg* 49
- plug-and-play capability** implementing with ToolTalk, *ToolTalkMsg* 3
- point-to-multipoint**, *See* connection
- point-to-point**, *See* connection
- Point-to-Point Protocol**, *See* PPP
- pointer size** conversion, *ProgGde* A-1
- POLYCENTER Advanced File System**, *See* AdvFS
- POLYCENTER NetWorker Save and Restore**, *SystemAdmin* 11-2
- pop-up menu**, *CDEUser* 26, 30, 64, 89, 100
CDE guidelines for, *CDEStyle* 205
- port monitoring**, *NetAdmin* 8-14
- portability and maintenance of CDE applications**, *CDEProgOverview* 37
- Portable Character Set (PCS)**, *InternatProg* 1-5
- porting applications to XTI**, *NetProgGde* 3-41
- portmap daemon**, *Prestoserve* 2-10
- portmap network service**, *OncRpcProgram* 1-3
- POSIX signal functions**, *Realtime* 5-2
- POSIX standards**
and CDE application development, *CDEProgOverview* 38, 54, xv
application development considerations, *ProgGde* 1-2
realtime, *Realtime* 1-17
- pow routine**, *DPML* B-15, DPML-52
- power management**, *SystemAdmin* 4-35
- PPA**
adding, *AsynchronousTM* 5-4
binding to, *AsynchronousTM* 6-6
data structure, *AsynchronousTM* 3-37
deleting, *AsynchronousTM* 5-5
unbinding, *AsynchronousTM* 6-8
- PPP**, *See also* connection, SLIP and gateways, *NetAdmin* 4-22

- configuring, *NetAdmin* 4-18
- establishing dial-in connection, *NetAdmin* 4-22
- establishing dial-out connection, *NetAdmin* 4-18
- security, *NetAdmin* 4-14
- troubleshooting, *NetAdmin* 13-31
- pppd daemon**, *NetAdmin* 4-13
- pr command**, *CommandShellGde* 3-7
- pragma**
 - environment directive, *ProgGde* 3-1
 - function, *ProgGde* 3-4
 - inline, *ProgGde* 3-3
 - intrinsic, *ProgGde* 3-4
 - linkage, *ProgGde* 3-6
 - member_alignment, *ProgGde* 3-9
 - message, *ProgGde* 3-10
 - pack, *ProgGde* 3-11
 - pointer_size, *ProgGde* 3-11, A-2
 - preprocessor directive, *DECC* 8-12
 - use_linkage, *ProgGde* 3-12
 - weak, *ProgGde* 3-13
- preediting in CDE**
 - internationalization**, *CDEInternatProg* 15, 90
- preinstallation tasks**, *InstallGde* 1-4
 - if running LSM, LVM, Prestoserve, AdvFS, *InstallGde* A-1
- preprocessing**, *DECC* 2-19, 8-1
- preprocessor directive**, *DECC* 2-20, 8-1
- preserved message buffer**
 - examining with dbx debugger, *KernelDebug* 2-8
- presto command**, *Prestoserve* 3-3
- prestocctl_svc daemon**, *Prestoserve* 2-12
- Prestoserve**, *Prestoserve* 3-1, *TechOver* 4-11
 - adding kernel support, *Prestoserve* 2-4
 - configuring, *Prestoserve* 2-4
 - improving NFS server performance, *Prestoserve* 1-6
 - installing dxpresto subset, *Prestoserve* 2-1
 - managing, *Prestoserve* 3-3
 - monitoring, *Prestoserve* 3-3, 3-9
 - pseudodevice driver, *Prestoserve* 1-2, 3-1
 - recovering from failures, *Prestoserve* 4-1
 - registering, *Prestoserve* 2-2
 - setting up, *Prestoserve* 2-6
 - speeding up synchronous writes, *Prestoserve* 1-1
- prestosetup command**
 - setting up Prestoserve, *Prestoserve* 2-6
- prestotab file**, *Prestoserve* 2-12
- print integration**
 - in CDE applications, *CDEProgGde* 5, 10
- Print Manager**, *CDECompanion* 3-2
 - using, *CDEUser* 179, 181, 187
- print screen**, *CDECompanion* 5-13
- print services**, *SystemAdmin* 10-1
 - See also printing
- printcap file**, *SystemAdmin* 10-17
- printed documentation**,
 - See Tru64 UNIX Documentation Kit
- printer**
 - accounting, *SystemAdmin* 10-7
 - adding, *SystemAdmin* 10-15
 - adding comments to the /etc/printcap file, *SystemAdmin* 10-12
 - adding from the desktop, *CDEAdvUsr* 108
 - administering from the desktop, *CDEAdvUsr* 107

- configuring the default, *CDEAdvUsr* 110
- connecting, *SystemAdmin* 10–9
- deleting from the desktop, *CDEAdvUsr* 108
- device special file name, *SystemAdmin* 10–7
- lpc command, *SystemAdmin* 10–17
- support for local languages, *InternatProg* 6–19
- testing, *SystemAdmin* 10–14
- troubleshooting information, *SystemAdmin* 10–31
- using with LAT, *NetAdmin* 5–10
- printing**, *CDEHelp* 10, 98, 240, *CDEUser* 175, *SystemAdmin* 10–1 and Print Manager, *CDEUser* 179, 181, 187
- files, *CommandShellGde* 3–10
- reference pages, *CommandShellGde* 1–9
- TCP/IP (telnet) printing, *SystemAdmin* 10–32
- priority**
 - realtime, *Realtime* 2–1
- /proc file system**, *TechOver* 4–7
- procedure descriptor**
 - in calling standard for Alpha systems, *CallStandard* 8–1
- procedure descriptor table**, *AsmLangGde* 8–3, 8–13
- procedure invocation**
 - in calling standard for Alpha systems, *CallStandard* 7–1
- process**, *CommandShellGde* 6–1
 - background, *CommandShellGde* 6–7, 6–12
 - debugging attached, *Laddebug* 5–2
 - displaying active, *CommandShellGde* 6–16
 - displaying status, *CommandShellGde* 6–8
 - foreground, *CommandShellGde* 6–6, 6–11
 - killing, *CommandShellGde* 6–12
 - resuming, *CommandShellGde* 6–13
 - running through pipes, *CommandShellGde* 7–10
 - stopping, *CommandShellGde* 6–11
- process information**, *CommandShellGde* 6–14
- processing text files**,
 - See awk command, m4 macro preprocessor, sed editor
- processor-specific boot instructions**
 - for full installation, *InstallGde* 4–1
- Product Authorization Amendment**,
 - See PAAM
- Product Authorization Key**,
 - See PAK
- .profile login script**, *CommandShellGde* 7–17
 - modifying for System V habitat, *CommandShellGde* 9–2
- profiling an application**, *SystemTune* 11–1
- profiling the kernel**, *SystemTune* 3–8
- program loading**, *AsmLangGde* 9–3
- program number assignment**, *OncRpcProgram* 1–5
- programming CDE help**
 - tasks in, *CDEHelp* 19
- programming for international use**, *CDEInternatProg* 92, 104, 111, 125
- programming languages supported by Tru64 UNIX**, *ProgGde* 1–4
- programming support tools**, *ProgSupTools* 1–1
 - awk command, *ProgSupTools* 2–1

- grep command, *ProgSupTools* 1–9
- lex program, *ProgSupTools* 4–1
- m4 macro preprocessor, *ProgSupTools* 5–1
- make utility, *ProgSupTools* 7–1
- RCS, *ProgSupTools* 6–1
- SCCS, *ProgSupTools* 6–1
- sed editor, *ProgSupTools* 3–1
- yacc program, *ProgSupTools* 4–15
- projects in Application Builder**, *AppBuilder* 7, 102
- property editor in Application Builder**, *AppBuilder* 31, 91, 135
- protocol**
 - selecting in sockets, *NetProgGde* 4–42
- prototype**, *DECC* 2–5, 2–10, 5–5, 5–8
- ps command**, *CommandShellGde* 6–9
- pseudodevice driver**
 - Prestoserve, *Prestoserve* 1–2, 3–1
- pseudoterminal**, *NetProgGde* 4–59, *SystemAdmin* 6–4
 - and sockets, *NetProgGde* 4–59
- pthread routines**, *DECThreads*
 - pthread–3
- public and private interfaces**
 - and CDE application development, *CDEProgOverview* 33
- public directory (UUCP)**, *CommandShellGde* 14–1
- pull-down menu**, *CDEUser* 30
- punctuator**, *DECC* 1–10
- push button guidelines**, *CDEStyle* 244
- put subcommand (ftp)**, *CommandShellGde* 12–5
- PVC**
 - creating, *AsynchronousTM* 7–9
- pwd (print working directory) command**, *CommandShellGde* 2–7
- pwd subcommand (ftp)**, *CommandShellGde* 12–7
- Q**
- QOS**
 - modifying, *AsynchronousTM* 6–6
- queue**
 - convergence module guidelines, *AsynchronousTM* 9–3
 - device driver guidelines, *AsynchronousTM* 9–1
- quick help buttons**, *CDEHelp* 230
- quick help dialog box**
 - creating, *CDEHelp* 211
- quickstart**, *AsmLangGde* 9–22
 - section ordering constraints, *AsmLangGde* 9–24
- quit subcommand (ftp)**, *CommandShellGde* 12–5
- quit subcommand (telnet)**, *CommandShellGde* 13–4
- quotas**, *SystemAdmin* 7–24
- R**
- radio button guidelines**, *CDEStyle* 244
- RAID**, *SystemTune* 1–9, *TechOver* 6–7, 6–11
 - improving performance, *SystemTune* 8–20
 - LSM support for, *StorageManager* 1–5
 - mirroring, *SystemTune* 2–17
 - parity, *SystemTune* 2–14

striping, *SystemTune* 2-13

random routine, *DPML* B-15, DPML-53

rcmgr command, *SystemAdmin* 4-3

RCS (Revision Control System), *ProgSupTools* 6-1

realtime, *Realtime* 1-2

- asynchronous I/O, *Realtime* 7-1
- clocks, *Realtime* 6-1
- event logging, *DECevent* 3-11
- memory locking, *Realtime* 4-1
- message queues, *Realtime* 10-1
- messages, *Realtime* 10-1
- performance, *Realtime* 11-1
- POSIX standards, *Realtime* 1-17
- preemptive kernel, *Realtime* 1-5
- priorities, *Realtime* 2-1
- scheduling, *Realtime* 2-1
- semaphores, *Realtime* 9-1
- shared memory, *Realtime* 3-1
- signal handling, *Realtime* 5-1
- synchronized I/O, *Realtime* 8-1
- system capabilities of Tru64 UNIX, *Realtime* 1-4
- system tuning, *Realtime* 11-3
- timers, *Realtime* 6-1

receiving a file (UUCP), *CommandShellGde* 14-21

recv subcommand (ftp), *CommandShellGde* 12-5

redirecting input/output, *CommandShellGde* 6-1

Redundant Array of Independent Disks,
See RAID

reference page, *CommandShellGde* 1-9

- displaying in CDE, *CDEUser* 56
- in printed books, *DocOverview* 4-2
- linking to in CDE help, *CDEHelp* 64, 69, 220

- overview of sections, *DocOverview* 4-2
- printing, *CommandShellGde* 1-9
- processing a translated, *InternatProg* 6-36
- reading on line, *DocOverview* 4-1

registerrpc routine, *OncRpcProgram* 3-4

registration package, *CDEAdvUsr* 43, 54, 57, 60, 72, 77

regular expression, *ProgSupTools* 1-1

.rel.dyn section, *AsmLangGde* 9-19

- ordering for quickstart, *AsmLangGde* 9-24

relative file descriptor table, *AsmLangGde* 8-7

remainder routine, *DPML* B-16, DPML-54

remote debugger server
writing, *Laddebug* B-1

remote debugging, *Laddebug* 21-1

remote execution, *CDEAdvUsr* 100, 104, 177, 282

remote file, *NetAdmin* 4-27

remote file transfer (UUCP), *CommandShellGde* 14-21

remote host
communicating with (UUCP), *CommandShellGde* 14-1
running commands from (UUCP), *CommandShellGde* 14-18

Remote Installation Services,
See RIS

remote kernel debugging, *KernelDebug* 2-39, *Laddebug* 22-14

remote login, *CommandShellGde* 13-1

remote procedure call,

- See* RPC
- remote system**, *SystemAdmin* 2-7
 requesting connection to,
AsynchronousTM 6-4
- removing a file**, *CommandShellGde*
 3-27
- rename subcommand (ftp)**,
CommandShellGde 12-7
- renaming files and directories**,
CommandShellGde 3-22
- replicated file system**, *NetAdmin*
 C-8
- Request for Comments**,
See RFC
- resource**
 for CDE help, *CDEHelp* 75, 208,
 217, 220, 237, 261
 locating session, *CDEAdvUsr* 29
 Motif widget variable supported by
 dtksh, *Desktopksh* 12
 releasing, *AsynchronousTM* 6-4
 reserving, *AsynchronousTM* 6-4
 setting, *CDEAdvUsr* 33, 256, 261
- restart**
 reporting to CMM,
AsynchronousTM 5-4
- Restricted Bourne shell**,
CommandShellGde 7-1
- return values of dtksh functions**,
Desktopksh 16
- returning to local host during
 remote connection (UUCP)**,
CommandShellGde 14-8, 14-14
- Revision Control System**,
See RCS
- RFC**
 1122 and 1123, *TechOver* A-1
- rint routine**, *DPML* B-16, *DPML*-55
- RIP**, *TechOver* 3-7
- RIS**, *SharingSW* 1-1
 architecture, *SharingSW* 2-1
 installation cloning using,
SharingSW 8-1
 planning disk space, *SharingSW* 3-3
 product environment, *SharingSW*
 2-3
 setting up a LAN, *SharingSW* 3-5
 software sharing environment,
SharingSW 1-2
- RIS area**, *SharingSW* 1-1
 existing area software installation,
SharingSW 4-8
 mounting on NFS, *SharingSW* 4-13
 new area software installation,
SharingSW 4-1
- RIS client**, *SharingSW* 1-1
 booting, *SharingSW* 5-1
 characteristics, *SharingSW* 2-4
 compatibility with server,
SharingSW 3-1
 managing, *SharingSW* 6-1
 registering, *SharingSW* 2-5
- RIS server**, *SharingSW* 1-1
 compatibility with client,
SharingSW 3-1
 installing operating system on,
SharingSW 3-4
 preparing, *SharingSW* 3-1
 setting up, *SharingSW* 4-1
- RIS troubleshooting**, *SharingSW* 7-1
- rlogin command**,
CommandShellGde 13-1
- rm command**, *CommandShellGde* 3-27
- rmdir (remove directory)
 command**, *CommandShellGde*
 4-10
- rmdir subcommand (ftp)**,
CommandShellGde 12-7
- root mode preedit area**,
CDEInternatProg 18

rounding mode
floating-point, *AsmLangGde* 4–5

routed daemon, *NetAdmin* 2–6

routes file, *NetAdmin* 2–9

routine
random, *DPML* B–15, DPML–53
unordered, *DPML* B–19, DPML–65

routing, *NetAdmin* 2–6, 2–8, 2–9

Routing Information Protocol,
See RIP

routing protocols, *TechOver* 3–5

RPC, *OncRpcProgram* 1–1, 3–1
See also rpcgen protocol
compiler
broadcast, *OncRpcProgram* 2–20,
3–17
debugging, *OncRpcProgram* 2–15
layers, *OncRpcProgram* 3–1
raw, *OncRpcProgram* 3–15
registration, *OncRpcProgram* 1–5,
1–6
supported transports,
OncRpcProgram 1–4

RPC language, *OncRpcProgram*
1–1, 2–22

RPC messages
batching, *OncRpcProgram* 3–19

RPC programming,
OncRpcProgram 3–1

rpcgen protocol compiler,
OncRpcProgram 2–1
declarations, *OncRpcProgram* 2–24
programming with,
OncRpcProgram 2–17
running, *OncRpcProgram* 2–7

run level, *SystemAdmin* 4–4

run-time libraries, supported,
TechOver 7–11

runique subcommand (ftp),
CommandShellGde 12–5

**running commands on a remote
host (UUCP)**,
CommandShellGde 14–18

runtime command,
CommandShellGde 10–5

rvalue, *DECC* 2–18

rwhod daemon, *NetAdmin* 2–6

S

-S compilation option,
AsmLangGde 6–13

.s file, *AsmLangGde* 6–13

sample text-based installation
custom, *InstallGde* H–11
default, *InstallGde* H–1

sash guidelines, *CDEStyle* 245

savecore command, *KernelDebug*
4–9, *SystemAdmin* 13–17

scalar constant, *AsmLangGde* 2–2

scalb routine, *DPML* B–16, DPML–56

scale guidelines, *CDEStyle* 246

**SCCS (Source Code Control
System)**, *ProgSupTools* 6–1

sccs command, *ProgSupTools* 6–18

scheduling
realtime, *Realtime* 2–1

scope, *DECC* 2–3

screen blanker
settings for, *CDEUser* 141

screen lock, *CDEUser* 143

screen saver
customizing, *CDEUser* 141, 143

screend daemon, *TechOver* 3–2

script, *Laddebug* 15-1

scroll bar guidelines, *CDEStyle* 248

SCSI, *SystemAdmin* B-1,
SystemTune 1-11

SCSI bus, *TechOver* 6-8

SCSI device recognition,
SystemAdmin 6-1

SDL (Semantic Delivery Language) in CDE help,
CDEHelp 19, 87

search path, *CDEAdvUsr* 41
configuring, *CDEAdvUsr* 27
default, *CDEAdvUsr* 157
Front Panel, *CDEAdvUsr* 212
help, *CDEAdvUsr* 123
icon, *CDEAdvUsr* 204
localized, *CDEAdvUsr* 125
setting the value of, *CDEAdvUsr* 115

searching for text with grep,
ProgSupTools 1-9

section data, *AsmLangGde* 7-7, 7-10

section header
flags (s_flags), *AsmLangGde* 7-8
section name (s_name),
AsmLangGde 7-7

section relocation information
assembler and linker processing,
AsmLangGde 7-15
relocation table entry,
AsmLangGde 7-12
relocation types, *AsmLangGde* 7-13

security, *CommandShellGde* 5-20,
Security 1-1, *TechOver* 11-1
administering accounts, *Security*
9-1
administering ACLs, *Security* 11-1
administering devices, *Security* 8-1
and DHCP, *NetAdmin* 3-18
audit, *TechOver* 11-1
audit subsystem, *Security* 10-1

authentication database integrity,
Security 12-1

C2 configuration, *Security* F-1

C2 functionality and TCSEC,
TechOver 11-1

clusters, *Security* 6-15

connecting to others systems,
Security 3-1

DECwindows, *Security* 4-1

generating audit records, *Security*
19-1

logging in, *Security* 2-1

performance, *TechOver* 11-7

programming concerns with ACLs,
Security 21-1

programming concerns with
discretionary access control,
Security 21-1

programming with the
authentication databases,
Security 17-1

security integration architecture
(SIA), *Security* 13-1

setting passwords, *Security* 2-3

setup, *Security* 7-1

system administration, *Security* 6-15

troubleshooting, *Security* 14-1

using ACLs, *Security* 5-1

sed editor, *ProgSupTools* 3-1

select system call
using on the server side,
OncRpcProgram 3-16, 3-17

selection box guidelines, *CDEStyle*
250

selection model guidelines,
CDEStyle 6, 162

Semantic Delivery Language,
See SDL

semaphore
realtime, *Realtime* 9-1

send subcommand (ftp),
CommandShellGde 12-5

- sending files**
 - to a remote host (UUCP),
CommandShellGde 14–14
 - via UUCP, *CommandShellGde* 14–21
- sending local messages,**
CommandShellGde 11–21
- sending long messages,**
CommandShellGde 12–9
- sendmail utility,** *NetAdmin* 11–16
supplementary documentation for,
DocOverview 3–3
- Serial Line Internet Protocol,**
See SLIP
- server**
 - CDE, *CDEAdvUsr* 86, 93, 99
 - compiling with rpcgen,
OncRpcProgram 2–9
 - NFS daemons, *NetAdmin* 8–4
 - programming of, *OncRpcProgram*
2–20
 - versions of, *OncRpcProgram* 3–26
- server process,** *OncRpcProgram* 1–1
- server/client interaction,**
NetProgGde 4–8
- service types in DLPI,** *NetProgGde*
2–4
- session,** *CDEAdvUsr* 23
customizing a desktop,
CDEAdvUsr 34
starting a desktop, *CDEAdvUsr* 17
- Session Manager**
 - and CDE application development,
CDEProgOverview 8, 34, 50, 71
 - configuring, *CDEAdvUsr* 23
 - customizing in CDE,
CDECompanion 8–1
 - integrating CDE applications
with, *CDEProgGde* 29
- Session Manager save state notice**
responding to with dtksh,
Desktopksh 31
- setld command,** *InstallGde* 10–1,
TechOver 13–5
- setting up system after
installation,** *InstallGde* 7–1
- setup utilities,** *TechOver* 12–3
- shared executable file**
 - dependencies, *AsmLangGde* 9–12
 - dynamic section, *AsmLangGde* 9–5
 - loading considerations,
AsmLangGde 9–3
- shared library,** *TechOver* 7–5
and TLI, *NetProgGde* 3–6
and XTI, *NetProgGde* 3–6
debugging, *Laddebug* 16–1
dynamic linking, *AsmLangGde* 9–4
- shared library file**
 - dependencies, *AsmLangGde* 9–12
 - dynamic section, *AsmLangGde* 9–5
 - loading considerations,
AsmLangGde 9–3
 - quickstart, *AsmLangGde* 9–22
- shared memory**
realtime, *Realttime* 3–1
- shared object file**
 - dependencies, *AsmLangGde* 9–12
 - initialization and termination
functions, *AsmLangGde* 9–22
- shared object list section,**
See liblist section
- sharing software on a local area
network,** *SharingSW* 1–1
- shell,** *CDEAdvUsr* 26, 28, 167, 170,
CommandShellGde 7–1, 8–1
- shell escape (!) subcommand
(ftp),** *CommandShellGde* 12–8
- shell script**
 - compatibility with System V,
CommandShellGde 9–4
 - internationalizing, *InternatProg* 3–23

- showmount command**, *NetAdmin* 8-12
- SIA (security integration architecture)**, *Security* 13-1
- signal**
 - process groups and IDs, *NetProgGde* 4-58
- signaling module**
 - MMI, *AsynchronousTM* 8-7
 - registering with CMM, *AsynchronousTM* 5-2
- Simple Mail Transfer Protocol**,
See SMTP
- Simple Network Management Protocol**,
See SNMP
- sin routine**, *DPML* B-16, DPML-57
- sincos routine**, *DPML* B-17, DPML-58
- sincosd routine**, *DPML* B-17, DPML-58
- sind routine**, *DPML* B-17, DPML-57
- sinh routine**, *DPML* B-17, DPML-59
- sinhcosh routine**, *DPML* B-18, DPML-60
- slattach command**, *TechOver* 3-14
- slhosts file**, *NetAdmin* 4-7
- SLIP**, *TechOver* 3-15
 - See also* connection, PPP and gateways, *NetAdmin* 4-9
 - configuring dial-in system, *NetAdmin* 4-8
 - configuring dial-out system, *NetAdmin* 4-9
 - modem guidelines, *NetAdmin* 4-3
 - troubleshooting, *NetAdmin* 13-29
- Small Computer Systems Interface**,
See SCSI
- SMP**, *SystemAdmin* 3-13, *TechOver* 2-1
 - analyzing crash on, *KernelDebug* 5-11
 - debugging on, *KernelDebug* 2-9
- SMTP**, *TechOver* 3-10
- SNMP**, *NetAdmin* 12-1, *TechOver* 3-11
 - See also* eSNMP
 - Host Resources MIB, *NetAdmin* H-1
 - supported versions, *NetProgGde* 6-4
- sockaddr_dl data structure**, *NetProgGde* E-6
 - and the 802.2 substructure, *NetProgGde* E-10
 - and the Ethernet substructure, *NetProgGde* E-7
- socket interface**
 - supported types, *NetProgGde* 4-1
- sockets**
 - advanced topics, *NetProgGde* 4-41
 - and handling out-of-band data, *NetProgGde* 4-45
 - application programming interface, *NetProgGde* 4-6
 - binding in DLI, *NetProgGde* E-18
 - binding names to, *NetProgGde* 4-22
 - BSD, *NetProgGde* 4-37
 - calculating buffer size in DLI, *NetProgGde* E-20
 - closing, *NetProgGde* 4-36
 - coexistence with STREAMS, *NetProgGde* 7-1
 - common errors, *NetProgGde* 4-40
 - communication properties, *NetProgGde* 4-3
 - comparison with XTI, *NetProgGde* 3-45
 - creating, *NetProgGde* 4-19
 - creating for DLI, *NetProgGde* E-16
 - deactivating in DLI, *NetProgGde* E-22
 - establishing client connections, *NetProgGde* 4-23
 - establishing server connections, *NetProgGde* 4-25

- filling the `sockaddr_dl` structure, *NetProgGde* E-18
- getting socket options, *NetProgGde* 4-28
- header files, *NetProgGde* 4-15
- I/O multiplexing, *NetProgGde* 4-55
- increasing buffer size limit, *NetProgGde* C-2
- library calls, *NetProgGde* 4-10
- modes of communication, *NetProgGde* 4-7
- process groups and IDs, *NetProgGde* 4-58
- programming TCP socket buffer sizes, *NetProgGde* C-1
- rewriting applications for XTI, *NetProgGde* 3-44
- selecting protocols, *NetProgGde* 4-42
- setting DLI options, *NetProgGde* E-17
- setting socket options, *NetProgGde* 4-27
- shutting down, *NetProgGde* 4-36
- system calls, *NetProgGde* 4-9
- TCP specific programming information, *NetProgGde* C-1
- transferring data, *NetProgGde* 4-29
- sockets client**
 - connection-oriented program, *NetProgGde* B-6
 - connectionless program, *NetProgGde* B-22
- sockets framework**, *NetProgGde* 1-3, 4-1
 - components, *NetProgGde* 4-2
 - interaction with STREAMS, *NetProgGde* 1-7
 - relationship to XTI, *TechOver* 3-18
- sockets I/O**
 - interrupt driven, *NetProgGde* 4-58
- sockets protocol stack**
 - bridging to STREAMS driver, *NetProgGde* 7-2
- sockets server**
 - connection-oriented program, *NetProgGde* B-2
 - connectionless program, *NetProgGde* B-18
- software distribution kit**, *InstallGde* 1-8
- Software Product Description**, *DocOverview* 3-6
- software subset**
 - installing mandatory, *InstallGde* 5-21
 - installing optional, *InstallGde* 5-23
- sorting file contents**, *CommandShellGde* 3-26
- Source Code Control System**, *See* SCCS
- source file**
 - controlling access to, *ProgGde* 1-6
- source routing**
 - enabling, *NetProgGde* D-1
- SPD**, *See* Software Product Description
- special characters**
 - in CDE help, *CDEHelp* 80, 181
 - in dtpad Text Editor, *CDEUser* 199
 - in dtterm terminal emulator, *CDEUser* 267
- spelling**
 - correcting in dtpad Text Editor, *CDEUser* 206
- spin box guidelines**, *CDEStyle* 250
- sqrt routine**, *DPML* B-18, DPML-61
- srconfig command**, *NetAdmin* 2-24
- stack frame**, *AsmLangGde* 6-6
- stack limit**
 - in calling standard for Alpha systems, *CallStandard* 6-1
- stack trace**, *Ladebug* 7-17, 8-4, 10-8

- standard directory structure for layered product kits,**
ProdKitGde B-1
- standard error,** *CommandShellGde* 6-1
- standard input,** *CommandShellGde* 6-1
- standard library, ANSI C, DECC** 9-1
- standard output,**
CommandShellGde 6-1
- standards,**
See also ANSI standards,
POSIX standards
and XTI, *NetProgGde* 3-1
programming considerations,
ProgGde 1-2
- startppp command,** *NetAdmin* 4-22
- startslip command,** *NetAdmin* 4-5
- Startup Documentation Kit,**
DocOverview 1-7
description of books in,
DocOverview 2-1
- state**
comparing XTI and sockets,
NetProgGde 3-47
managing in XTI, *NetProgGde* 3-22
- static routes,** *NetAdmin* 2-9
- status enquiry**
reporting to CMM,
AsynchronousTM 5-4
- status information (UUCP),**
CommandShellGde 14-27
- status subcommand (ftp),**
CommandShellGde 12-8
- status subcommand (telnet),**
CommandShellGde 13-4
- stopping command execution,**
CommandShellGde 1-6
- storage class,** *DECC* 2-13
- stream editor,**
See sed editor
- STREAMS**
application programming
interface, *NetProgGde* 5-5
coexistence with sockets,
NetProgGde 7-1
components, *NetProgGde* 5-2
configuring drivers, *NetProgGde* 5-25
configuring modules, *NetProgGde*
5-25
device special files, *NetProgGde* 5-29
driver and module processing
routines, *NetProgGde* 5-19
error logging, *NetProgGde* 5-31
event logging, *NetProgGde* 5-31
functions, *NetProgGde* 5-6
header files, *NetProgGde* 5-5
kernel-level functions, *NetProgGde*
5-17
message data structures,
NetProgGde 5-18
messages, *NetProgGde* 5-5
module data structures,
NetProgGde 5-17
synchronization mechanism,
NetProgGde 5-23
- STREAMS driver,** *NetProgGde* 7-3
bridging to sockets protocol stack,
NetProgGde 7-2
- STREAMS framework,** *NetProgGde*
1-3, 5-1
interaction with sockets,
NetProgGde 1-7
relationship to XTI, *TechOver* 3-18
- STREAMS protocol stack**
bridging to BSD driver,
NetProgGde 7-9
- string constant,** *AsmLangGde* 2-3
- string literal,** *DECC* 1-12
in CDE internationalization,
CDEInternatProg 92, 96, 98

striped disk
 LSM, *StorageManager* 2-4

strong symbol, *ProgGde* 2-23

structured exception handling,
ProgGde 11-5

Style Manager, *CDEAdvUsr* 59,
 267, *CDECompanion* 3-2, 4-6

subagent
 implementing, *NetProgGde* 6-12

subcommands (ftp),
CommandShellGde 12-5, 12-7,
 12-8

subdirectory, *CommandShellGde* 2-7

subnet mask, *NetAdmin* 2-5

subpanel, *CDEAdvUsr* 215, 218,
 223, 224, 227, *CDEUser* 62, 63,
 67, 75

subset control program,
ProdKitGde 3-1

subsystem
 administering with *dxkerneltuner*,
SystemAdmin 5-4

subtree, *NetProgGde* 6-6

sunique subcommand (ftp),
CommandShellGde 12-5

superuser, *CommandShellGde* 5-17

Supplementary Documentation,
DocOverview 3-1

svc.conf file, *NetAdmin* 7-18,
TechOver 3-27

svcsetup command, *NetAdmin* 6-11

swap space
 displaying with *kdbx*, *KernelDebug*
 2-32

swapping, *SystemTune* 6-14

symbol table, *AsmLangGde* 8-1
 ANSI name space cleanup,
ProgGde 2-23

format of entries, *AsmLangGde* 8-8

symbolic header, *AsmLangGde* 8-2,
 8-8

symbolic information
 debugging programs with limited,
Ladebug 17-1

symbolic link, *CommandShellGde*
 4-7

symmetrical multiprocessing,
See SMP

synchronized I/O, *Realtime* 8-1

synchronous writes
 speeding up with *Prestoserve*,
Prestoserve 1-1

synchronization mechanism
 in STREAMS, *NetProgGde* 5-23

sysconfig command, *SystemAdmin*
 5-6, *SystemTune* 4-6

syslogd daemon, *SystemAdmin*
 13-2, 13-10

SysMan tools, *CDECompanion*
 5-17, *SystemAdmin* 2-3,
TechOver 13-2

system
 administering remote,
SystemAdmin 2-7
 displaying information about with
kdbx, *KernelDebug* 2-31
 requesting connection to remote,
AsynchronousTM 6-4

system administration, *TechOver*
 13-1
 accounting, *SystemAdmin* 12-1
 backup, *SystemAdmin* 11-1
 booting, *SystemAdmin* 3-1
 customizing, *SystemAdmin* 4-1
 dynamic device recognition,
SystemAdmin 6-1
 environmental monitoring,
SystemAdmin 13-25

- event handling, *SystemAdmin* D-1
- events and errors, *SystemAdmin* 13-1
- file system, *SystemAdmin* 7-2
- graphical user interface, *TechOver* 13-2
- groups, *SystemAdmin* 9-1
- halting, *SystemAdmin* 3-1
- kernel configuration, *SystemAdmin* 5-1
- logging, *SystemAdmin* 13-1
- methods, *SystemAdmin* 2-1
- new features, *SystemAdmin* xix
- printing, *SystemAdmin* 10-1
- remote, *SystemAdmin* 2-4
- restore, *SystemAdmin* 11-1
- role and responsibilities, *SystemAdmin* 1-1
- SCSI/CAM administration, *SystemAdmin* B-1
- security considerations, *Security* 6-15
- system log files, *SystemAdmin* 7-14
- system shutdown, *SystemAdmin* 3-1
- system startup, *SystemAdmin* 3-1
- text-based interface, *TechOver* 13-4
- tools, *SystemAdmin* 2-1
- user error reporting, *SystemAdmin* D-1
- user accounts, *SystemAdmin* 9-1
- System and Network Management Documentation Kit**, *DocOverview* 1-7
 - description of books in, *DocOverview* 2-6
- system call**
 - and DLI, *NetProgGde* E-15
 - sockets, *NetProgGde* 4-9
- system clock**, *SystemAdmin* 3-15
- system configuration**, *SystemAdmin* 2-3
 - dynamic, *TechOver* 13-7
- system crash**, *SystemAdmin* 3-5
 - process of, *KernelDebug* 1-6
- system customization**, *SystemAdmin* 4-1
- system event**
 - analyzing, *DECevent* 1-1
 - reporting, *SystemAdmin* 13-1
- system exerciser**, *SystemAdmin* F-1
- system initialization files**, *SystemAdmin* 4-1
- system monitoring**, *SystemAdmin* 4-23
- system partition**, *See* logical partition
- system performance**, *See also* performance
- system reboot**
 - crash dump information, *KernelDebug* 4-9, *SystemAdmin* 13-17
- system security**, *SystemAdmin* 4-22
- system shutdown**, *SystemAdmin* 3-1
- system startup files**, *SystemAdmin* 4-1
- System V Environment**, *TechOver* 9-2
- System V functionality**, *TechOver* 9-1
- System V habitat**, *CommandShellGde* 9-1, *TechOver* 9-1
 - accessing, *CommandShellGde* 9-2
 - command summary, *CommandShellGde* 9-4
 - location of, *CommandShellGde* 9-3
 - modifying .cshrc file for, *CommandShellGde* 9-2
 - modifying .login file for, *CommandShellGde* 9-2
 - modifying .profile file for, *CommandShellGde* 9-2

setting PATH for,
CommandShellGde 9–2
System V IPC, *ProgGde* 1–7

T

talk command (local communications),
CommandShellGde 11–23

tan routine, *DPML* B–18, DPML–62

tand routine, *DPML* B–18, DPML–62

tanh routine, *DPML* B–19, DPML–63

tape, bootable, *TechOver* 13–8

tapex exerciser, *SystemAdmin* F–12

taso (truncated address support option), *ProgGde* A–1

TCP, *TechOver* 3–4, 3–11
programming information,
NetProgGde C–1
throughput, *NetProgGde* C–1
window size, *NetProgGde* C–1

tcpdump command, *NetAdmin* 14–6

telephone number, specifying with cu command (UUCP),
CommandShellGde 14–4

TELNET, *TechOver* 3–10

telnet command,
CommandShellGde 13–3

Telnet Protocol,
See TELNET

terminal, *SystemAdmin* 4–8

terminal emulator (dtterm),
See dtterm terminal emulator

terminal interface
enhancements for Asian
languages, *InternatProg* 6–9

terminating a connection (local communications),
CommandShellGde 11–22, 11–23

terminating a remote cu connection (UUCP),
CommandShellGde 14–8

terminating a remote tip connection (UUCP),
CommandShellGde 14–14

terminating a UUCP job with the uustat command,
CommandShellGde 14–27

termination handler, *ProgGde* 11–13

testing the kernel, *KernelDebug* 2–39

text editor, *CommandShellGde* 2–1
vi, *CommandShellGde* A–1

text editor widget
in CDE application development,
CDEProgGde 94

text field widget
in CDE application development,
CDEProgGde 73, 82

text input
in CDE internationalization,
CDEInternatProg 34, 115

text input component guidelines,
CDEStyle 252

TFTP, *TechOver* 3–10

Thai,
See non-English environments

Third Degree (Atom tool),
ProgGde 7–1

Thread Independent Services,
TechOver 7–12

thread operation, *DECthreads* 2–1

thread-safe code
how to write, *ProgGde* 12–5

thread-safe library, *DECthreads* 4–1

thread-safe routine
characteristics, *ProgGde* 12-3

threads, *TechOver* 7-12
See also DECthreads software
debugging, *Ladebug* 19-1
programming with, *DECthreads* 3-1

tilde
in pathname, *CommandShellGde*
2-12
in text file, *CommandShellGde* 2-2

time services
NTP, *TechOver* 3-29
TSP, *TechOver* 3-30

Time Synchronization Protocol,
See TSP

time value
formatting rules in a locale,
InternatProg 7-18

time zone, *SystemAdmin* 4-19

timeout change, *OncRpcProgram* 2-19

timer
realtime, *Realtime* 6-1

tip command, *NetAdmin* 4-18, 4-25
options for connecting to a remote
computer, *CommandShellGde*
14-8
using local commands,
CommandShellGde 14-9, 14-12

tis routines, *DECthreads* tis-3

tiuser.h file, *NetProgGde* 3-6

TLI
and XTI, *NetProgGde* 3-1
compatibility with XTI,
NetProgGde 3-43
contrast with XTI, *NetProgGde* 3-43
library and header files,
NetProgGde 3-6

Token Ring, *TechOver* 3-17

Token Ring driver
and canonical addresses,
NetProgGde D-2
enabling source routing,
NetProgGde D-1

tool bar guidelines, *CDEStyle* 45,
89, 227

ToolTalk applications
creating actions for, *CDEAdvUsr* 182

ToolTalk message distribution,
ToolTalkMsg 11

ToolTalk message handling,
AppBuilder 87

ToolTalk Messaging Service,
CDEAdvUsr 29,
CDEProgOverview 5, 16, 33, 47,
ToolTalkMsg 1
features, *ToolTalkMsg* 10
how applications use, *ToolTalkMsg* 9

ToolTalk Messaging Toolkit,
ToolTalkMsg 15, 47

ToolTalk tracing facility (tttrace),
ToolTalkMsg 33

topic hierarchy in CDE help,
CDEHelp 26, 37

trace command, *Ladebug* 7-20, 9-13
with multithreaded applications,
Ladebug 19-3

traceroute command, *NetAdmin*
14-3

tracing in ToolTalk (tttrace),
ToolTalkMsg 33

**transfer models (clipboard,
primary, quick drag)**
CDE guidelines for, *CDEStyle* 173

**transfer-status information
(UUCP)**, *CommandShellGde* 14-27

translation
of message text, *InternatProg* 3-16

translation unit, *DECC* 1-2, 2-3

Transmission Control Protocol,
See TCP

Transport Layer Interface,
See TLI

Trash Can, *CDEUser* 98

Trivial File Transfer Protocol,
See TFTP

troubleshooting
 ATM problems, *AsynchronousTM*
 2–29
 DHCP, *NetAdmin* 3–20
 DMS, *SharingSW* 13–1
 DNS client, *NetAdmin* 13–9
 DNS server, *NetAdmin* 13–7
 LAT, *NetAdmin* 13–33
 LMF, *LicenseManage* A–1
 mail, *NetAdmin* 13–40
 network, *NetAdmin* 13–3, 14–1
 NFS client, *NetAdmin* 13–21
 NFS server, *NetAdmin* 13–18
 NIS client, *NetAdmin* 13–14
 NIS server, *NetAdmin* 13–10
 NTP, *NetAdmin* 13–26
 PPP, *NetAdmin* 13–31
 Prestoserve, *Prestoserve* 4–1
 printer, *SystemAdmin* 10–31
 RIS, *SharingSW* 7–1
 security, *Security* 14–1
 SLIP, *NetAdmin* 13–29
 UUCP, *NetAdmin* 13–24

Tru64 UNIX Documentation Kit,
DocOverview 1–7
See also documentation, online
 documentation
 changes to, *DocOverview* 1–2

trunc routine, *DPML* B–19, DPML–64

truncated address support option,
See taso

try body, *ProgGde* 11–5

try...except statement, *ProgGde* 11–5

try...finally statement, *ProgGde* 11–13

TSP, *TechOver* 3–29

TTSnoop debugger, *ToolTalkMsg* 29

tttrace command, *ToolTalkMsg* 33

tuning, *SystemAdmin* 5–2
 AdvFS, *SystemTune* 9–25
 class scheduler, *SystemAdmin* 4–27
 file systems, *SystemTune* 9–2
 Internet servers, *SystemTune* 4–2
 large-memory systems,
SystemTune 4–2
 LSM, *StorageManager* 15–1,
SystemTune 8–19
 memory, *SystemTune* 6–1
 networks, *SystemTune* 10–7
 NFS, *SystemTune* 9–50
 realtime, *Realtime* 11–1
 UFS, *SystemTune* 9–41

TURBOchannel bus, *TechOver* 6–11

type conversion, *DECC* 6–27

typedef
 using with rpcgen,
OncRpcProgram 2–23

U

UBC, *SystemTune* 9–5, *TechOver* 5–2

UBR, *AsynchronousTM* 3–14

UDP, *TechOver* 3–4, 3–11

uerf command, *NetAdmin* 14–8,
SystemAdmin D–1

UFS, *InstallGde* 5–18, *SystemAdmin*
 7–2, *TechOver* 4–3
 improving performance,
SystemTune 9–35
 monitoring, *SystemTune* 9–37
 tuning, *SystemTune* 9–41

UID, *SystemAdmin* 9–5

UID file search, *CDEInternatProg* 95

UIL (User Interface Language)

- internationalized,
 - CDEInternatProg* 92
 - sample Japanese and English program, *CDEInternatProg* 96
- UIL modules in Application Builder**, *AppBuilder* 14, 17
- Unicode**, *InternatProg* 2–4
- unified buffer cache**,
 - See* UBC
- UNIX File System**,
 - See* UFS
- UNIX shell installation option**,
 - InstallGde* 9–1
- UNIX-to-UNIX Copy Program**,
 - See* UUCP
- unlimited license**
 - registering after installation or upgrade, *LicenseManage* 2–2
- unordered routine**, *DPML* B–19, *DPML*–65
- unspecified bit rate**,
 - See* UBR
- unwinding**
 - in calling standard for Alpha systems, *CallStandard* 5–27
- update administration utility**,
 - InstallGde* 2–41
- update installation**, *InstallGde* 1–13
 - See also* installation
 - from CD-ROM, *InstallGde* 2–9
 - from older versions, *InstallGde* 2–2
 - from RIS server, *InstallGde* 2–13
 - prerequisite tasks, *InstallGde* 2–7
 - process, *InstallGde* 2–6, 2–16
 - quick start, *InstallGde* 2–2
 - tasks after completion, *InstallGde* 2–40
 - worldwide, *InstallGde* 12–1
- updating firmware before installation**, *InstallGde* 1–11
- user account**, *SystemAdmin* 9–1
- user customization issues**
 - and CDE application development, *CDEProgOverview* 59
- User Datagram Protocol**,
 - See* UDP
- user interface**
 - adding functionality with Application Builder, *AppBuilder* 67
 - laying out with Application Builder, *AppBuilder* 21
- User Interface Language**,
 - See* UIL
- user interface object**
 - creating with Application Builder, *AppBuilder* 39
 - editing properties with Application Builder, *AppBuilder* 31
 - grouping and attaching, *AppBuilder* 89
- user mask**, *CommandShellGde* 5–13
- user-defined character (UDC) database**, *InternatProg* 6–18
- using online documentation**,
 - InstallGde* 8–1
- utilupdate utility**, *SharingSW* C–1
- uucleanup command**, *NetAdmin* 9–17
- UUCP**, *CommandShellGde* 14–1, *NetAdmin* 9–1, *TechOver* 3–26
 - cleaning spooling directories, *NetAdmin* 9–17
 - cleaning system log files, *NetAdmin* 9–21
 - configuring, *NetAdmin* 9–11
 - error messages, *NetAdmin* F–1
 - initiating calls to remote hosts, *NetAdmin* 9–23
 - limiting remote executions, *NetAdmin* 9–21

- local commands,
 - CommandShellGde* 14-6
- local host control of file access,
 - CommandShellGde* 14-24
- monitoring status,
 - CommandShellGde* 14-32
- monitoring the transfer queue,
 - NetAdmin* 9-15
- polling remote hosts, *NetAdmin* 9-24
- required hardware, *NetAdmin* 9-2
- scheduling jobs, *NetAdmin* 9-22
- troubleshooting, *NetAdmin* 13-24
- viewing log files, *NetAdmin* 9-20
- uucpsetup command**, *NetAdmin* 9-11
- uudemon.admin script**, *NetAdmin* 9-16
- uudemon.cleantu script**, *NetAdmin* 9-18
- uudemon.hour script**, *NetAdmin* 9-22, 9-23
- uudemon.poll script**, *NetAdmin* 9-24
- uulog command**,
 - CommandShellGde* 14-31,
 - NetAdmin* 9-20
- uumonitor command**,
 - CommandShellGde* 14-32
- uupick command**,
 - CommandShellGde* 14-24
- uusched command**, *NetAdmin* 9-22
- uustat command**,
 - CommandShellGde* 14-27,
 - NetAdmin* 9-15
- uuto command**
 - copying files, local host control options, *CommandShellGde* 14-24
- uutry command**, *NetAdmin* 14-6
- uux command**, *CommandShellGde* 14-18

V

variable

- in dtksh app-defaults file, *Desktopksh* 15
- mail, *CommandShellGde* 11-16

VAX C extension, *DECC* E-1

VC

- activating, *AsynchronousTM* 5-2
- controlling aging of,
 - AsynchronousTM* 6-6
- creating permanent,
 - AsynchronousTM* 7-9
- creating signaling,
 - AsynchronousTM* 7-10
- modifying parameters,
 - AsynchronousTM* 6-6
- modifying QOS parameters,
 - AsynchronousTM* 6-6
- requesting statistics for,
 - AsynchronousTM* 6-9
- requesting status for,
 - AsynchronousTM* 5-5
- restarting, *AsynchronousTM* 5-3
- transmitting data on,
 - AsynchronousTM* 6-6

VC status

- reporting to CMM,
 - AsynchronousTM* 5-4

VendorShell widget

- CDEInternatProg* 14, 18, 19, 87

verbose mode debugging, *Ladebug* 10-20

verbose subcommand (ftp)

- CommandShellGde* 12-8

versioning

- shared library, *TechOver* 7-10

VFS, *TechOver* 4-1

vi text editor, *CommandShellGde* 2-2, A-1

virtual address space, *SystemTune* 6–7

virtual circuit,
See VC

Virtual File System,
See VFS

virtual keys

CDE guidelines for, *CDEStyle* 3

virtual memory, *SystemAdmin* 7–4

virus, *CommandShellGde* 5–21

visibility, *DECC* 2–6

Visual Administrator graphical interface (dxlsm),
StorageManager 10–1, 11–1, 12–1

visual design guidelines
for applications, *CDEStyle* 39

VM subsystem

eager reservation policy, *TechOver* 5–2

external pager, *TechOver* 5–4

kernel memory allocator, *TechOver* 5–4

lazy allocation policy, *TechOver* 5–1

Mach mmap, *TechOver* 5–3

memory reclamation policy,
TechOver 5–5

memory-mapped device interface,
TechOver 5–3

page coloring, *TechOver* 5–4

page-in and page-out clustering,
TechOver 5–3

round-robin swapping, *TechOver* 5–3

shared memory segments, secure,
TechOver 5–3

shared text segments, *TechOver* 5–4

unified buffer cache, *TechOver* 5–2

vmcore.n file, *KernelDebug* 4–10,
SystemAdmin 13–17

vmunix.n file, *KernelDebug* 4–10,
SystemAdmin 13–17

vold daemon (LSM),
StorageManager 1–7

voldiskadm interface (LSM),
StorageManager 9–1

voliod daemon (LSM),
StorageManager 1–7

W

weak symbol, *ProgGde* 2–23

welcome message, *CDEAdvUsr* 13,
25, 27

what command, *ProgSupTools* 6–22

whois command, *NetAdmin* 6–14

wide character and wide-character string,
InternatProg 1–5

widget

and CDE application development,
CDEProgOverview 40, 47, 64,
72, 73

creating, *Desktopksh* 18

customized for CDE applications,
CDEProgGde 69

widget translation

setting with dtksh, *Desktopksh* 37

window

CDE guidelines for, *CDEStyle* 65,
92, 187

customizing, *Ladebug* 2–5

implementing with Application
Builder, *AppBuilder* 6, 22, 35,
116, 138, 139, 143, 147

Window Manager

in CDE internationalization,
CDEInternatProg 20, 124

Window Manager close notice

responding to with dtksh,
Desktopksh 31

Window Manager, Motif (MWM),
XWinSysEnv 1-1

Window menu, *CDEAdvUsr* 247, 249

windowing environment, *TechOver*
8-1

Windows palette, *AppBuilder* 118

**Windows Programming
Documentation Kit,**
DocOverview 1-8
description of books in,
DocOverview 2-13

WLS
installing, *InstallGde* 1-19

workspace, *CDEAdvUsr* 236, 244,
CDEUser 15, 16, 66, 77, 104

workspace backdrop, *CDEUser*
103, 139

Workspace Manager,
CDEProgOverview 70
customizing, *CDEAdvUsr* 241
using to manage application
 windows, *CDEProgGde* 63
using with dtksh, *Desktopksh* 35

Workspace menu, *CDEAdvUsr* 246,
CDEUser 28

workspace switch, *CDEAdvUsr*
216, 236

World Wide Web,
See documentation on the
 World Wide Web

worldwide DMS server setup,
SharingSW 11-17

worldwide installation, *InstallGde*
11-1

worldwide language support,
See WLS

**Worldwide Portability Interfaces
(WPI),** *InternatProg* A-1

worldwide software subsets,
InstallGde F-1

worldwide support, *SystemAdmin*
4-19

worldwide update installation,
InstallGde 12-1

**write command (local
communications),**
CommandShellGde 11-21, 12-9

WWW,
See documentation on the
 World Wide Web

X

X authorization, *CDEAdvUsr* 93

X client, *TechOver* 8-9

X client library, *TechOver* 8-4

X Display Manager,
See xdm utility

X Display Manager Protocol,
See XDMCP

X drawing function
accessing with dtksh, *Desktopksh* 36

X files
locations of, *XWinSysEnv* 2-3

X Image Extension
supplementary documentation for,
DocOverview 3-7

X Logical Font Description,
See XLFD

X server, *CDEAdvUsr* 15, *TechOver*
8-4
font-cache tuning, *InternatProg* 6-42

X server extension, *TechOver* 8-5,
XWinSysEnv 4-1

X session
startup, *XWinSysEnv* 2-8

- X terminal**, *CDEAdvUsr* 3, 7, 88, 94
- X window**
 - configuration, *XWinSysEnv* 2-1
 - managing the environment, *XWinSysEnv* 2-1
- X Window System**, *TechOver* 8-4, *XWinSysEnv* 1-1
 - documentation about, *DocOverview* 3-5, *XWinSysEnv* 1-1
 - location of files on Tru64 UNIX systems, *XWinSysEnv* 2-3
- X/Open standards**
 - and internationalization, *InternatProg* 1-1
 - application development considerations, *ProgGde* 1-2
- X/Open Transport Interface**, *See* XTI
- X11R5 Standard**
 - and CDE compliance, *CDEProgOverview* 37
- X11R6 software**
 - internationalization features in, *InternatProg* 5-1
- Xconfig file**, *CDEAdvUsr* 3, 14, 276
- xdm display manager**, *XWinSysEnv* 2-1
- xdm utility**, *XWinSysEnv* 2-6
 - login process, *XWinSysEnv* 2-7
 - multiuser mode, *XWinSysEnv* 2-7
 - processes, *XWinSysEnv* 2-7
- XDM-AUTHORIZATION-1**
 - Display Manager, *TechOver* 8-8
- XDMCP**, *CDEAdvUsr* 2, 6, 21
- XDR library**, *OncRpcProgram* A-5
- XDR library primitive**, *OncRpcProgram* A-7, A-18
- XDR routine**, *OncRpcProgram* 2-9, A-1
 - compiling, *OncRpcProgram* 2-14
 - enumerations, *OncRpcProgram* 2-22
 - generating with *rpcgen*, *OncRpcProgram* 2-9
 - unions, *OncRpcProgram* 2-26
- XDR stream**, *OncRpcProgram* A-18
- XDR structure**, *OncRpcProgram* 2-25
- XDR union**, *OncRpcProgram* 2-26
- XEvent structure**
 - accessing with *dtksh*, *Desktopksh* 30
- xjoin command**, *NetAdmin* 3-12
- XLFD (X Logical Font Description)**, *CDEInternatProg* 8
- xlsfonts command**, *CDEAdvUsr* 263, 279
- XMI bus**, *TechOver* 6-13
- XMODIFIERS environment variable**, *CDEUser* 300
- xmodmap command**, *CDEUser* 300
- xmodmap keymap format**
 - Display Manager, *TechOver* 8-7
- xntpd daemon**, *NetAdmin* 10-1
- xntpd command**, *NetAdmin* 10-9
- Xservers file**, *CDEAdvUsr* 4, 5, 20
- Xsession file**, *CDEAdvUsr* 17, 19, 25
- Xt and Xlib dependencies in internationalization**, *CDEInternatProg* 101
- XTI**, *NetProgGde* 3-1, *ProgGde* 1-7, *TechOver* 3-18
 - and network programming environment, *NetProgGde* 3-2
 - and standards, *NetProgGde* 3-1
 - and TLI, *NetProgGde* 3-1
 - application programming interface, *NetProgGde* 3-4
 - code migration XPG3 to XNS4.0, *NetProgGde* 3-49
 - comparison with sockets, *NetProgGde* 3-45

- configuring *xtiso*, *NetProgGde* 3–65
 - contrast with TLI, *NetProgGde* 3–43
 - differences between XPG3 and XNS4.0, *NetProgGde* 3–47
 - event tracking, *NetProgGde* 3–14
 - execution modes, *NetProgGde* 3–4
 - functions, *NetProgGde* 3–7
 - handling errors, *NetProgGde* 3–64
 - interoperability of XPG3 and XNS4.0, *NetProgGde* 3–50
 - library and header files, *NetProgGde* 3–6
 - map of functions, events, and states, *NetProgGde* 3–16
 - options, *NetProgGde* 3–51
 - phase-independent functions, *NetProgGde* 3–40
 - porting applications to, *NetProgGde* 3–41
 - relationship to STREAMS and sockets frameworks, *TechOver* 3–19
 - rewriting socket applications for, *NetProgGde* 3–44
 - sequencing functions, *NetProgGde* 3–20
 - service modes, *NetProgGde* 3–4
 - state management by transport providers, *NetProgGde* 3–22
 - states, *NetProgGde* 3–13
 - synchronization of multiple processes, *NetProgGde* 3–19
 - writing connection-oriented applications, *NetProgGde* 3–23
- XTI client**
- connection-oriented program, *NetProgGde* B–15
 - connectionless program, *NetProgGde* B–30
- XTI event**, *NetProgGde* 3–10
- XTI server**
- connection-oriented program, *NetProgGde* B–9
 - connectionless program, *NetProgGde* B–25
- xti.h header file**, *NetProgGde* 3–6 and *t_errno* variable, *NetProgGde* 3–65
- xtiso option**
- configuring, *NetProgGde* 3–65
- ## Y
- y0 routine**, *DPML* B–19, *DPML*–12
- y1 routine**, *DPML* B–20, *DPML*–12
- Y2K**,
- See* year 2000 readiness
- yacc program**, *ProgSupTools* 4–15
- year 2000 readiness**
- supplementary documentation for, *DocOverview* 3–2
- Yellow Pages**,
- See* NIS
- yn routine**, *DPML* B–20, *DPML*–12
- ypcat command**, *NetAdmin* 7–30
- ypmatch command**, *NetAdmin* 7–30
- yppasswd command**, *NetAdmin* 7–29
- ypwhich command**, *NetAdmin* 7–30
- ## Z
- z subcommand (telnet)**,
- CommandShellGde* 13–4
- ZMAGIC file**, *AsmLangGde* 7–24
- segment access permissions, *AsmLangGde* 9–2

How to Order Tru64 UNIX Documentation

You can order documentation for the Tru64 UNIX operating system and related products at the following Web site:

<http://www.businesslink.digital.com/>

If you need help deciding which documentation best meets your needs, see the Tru64 UNIX *Documentation Overview* or call **800-344-4825** in the United States and Canada. In Puerto Rico, call **787-781-0505**. In other countries, contact your local Compaq subsidiary.

If you have access to Compaq's intranet, you can place an order at the following Web site:

<http://asmorder.nqo.dec.com/>

The following table provides the order numbers for the Tru64 UNIX operating system documentation kits. For additional information about ordering this and related documentation, see the *Documentation Overview* or contact Compaq.

Name	Order Number
Tru64 UNIX Documentation CD-ROM	QA-MT4AA-G8
Tru64 UNIX Documentation Kit	QA-MT4AA-GZ
End User Documentation Kit	QA-MT4AB-GZ
Startup Documentation Kit	QA-MT4AC-GZ
General User Documentation Kit	QA-MT4AD-GZ
System and Network Management Documentation Kit	QA-MT4AE-GZ
Developer's Documentation Kit	QA-MT5AA-GZ
General Programming Documentation Kit	QA-MT5AB-GZ
Windows Programming Documentation Kit	QA-MT5AC-GZ
Reference Pages Documentation Kit	QA-MT4AG-GZ
Device Driver Kit	QA-MT4AV-G8

Reader's Comments

Tru64 UNIX
Master Index
AA-RG8NA-TE

Compaq welcomes your comments and suggestions on this manual. Your input will help us to write documentation that meets your needs. Please send your suggestions using one of the following methods:

- This postage-paid form
- Internet electronic mail: readers_comment@zk3.dec.com
- Fax: (603) 884-0120, Attn: UBPG Publications, ZKO3-3/Y32

If you are not using this form, please be sure you include the name of the document, the page number, and the product name and version.

Please rate this manual:

	Excellent	Good	Fair	Poor
Accuracy (software works as manual says)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clarity (easy to understand)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Organization (structure of subject matter)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Figures (useful)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Examples (useful)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Index (ability to find topic)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Usability (ability to access information quickly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please list errors you have found in this manual:

Page	Description
_____	_____
_____	_____
_____	_____
_____	_____

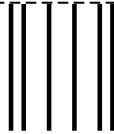
Additional comments or suggestions to improve this manual:

What version of the software described by this manual are you using? _____

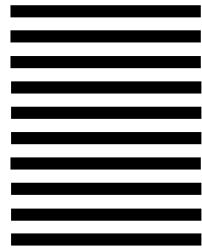
Name, title, department _____
Mailing address _____
Electronic mail _____
Telephone _____
Date _____

----- Do not cut or tear - fold here and tape -----

COMPAQ



NO POSTAGE
NECESSARY IF
MAILED IN THE
UNITED STATES



BUSINESS REPLY MAIL
FIRST CLASS MAIL PERMIT NO. 33 MAYNARD MA

POSTAGE WILL BE PAID BY ADDRESSEE

COMPAQ COMPUTER CORPORATION
UBPG PUBLICATIONS MANAGER
ZK03 3/Y32
110 SPIT BROOK RD
NASHUA NH 03062 9987



----- Do not cut or tear - fold here and tape -----

Cut on this line