Chapter 1: Getting Started

JNIX: What is it	1
Components: UNIX Operating System	2
Files and Processes	
Directory Structure	4
JNIX Processes	
JNIX: Good Design and Concise Code	6
JNIX Application Programming Interface	
JNIX Networking	٤
JNIX: Why its Popularity	g
Jser Interface	
Jser Portability	11
Solaris	12
Solaris History	12
Supported Architectures	13
/ersions	
Sun Java Enterprise System Components	
Sun Java Desktop System	17
Open Source Software	
ntegrated Development Tools	18
OTrace	19
System Analysis Tools	
Network	
File Systems	22
/O Performance	22
/irtualization	23

Chapter 2: UNIX Operating System

Features and Facilities	'
Operating System Structure	2
Multi-User Operating Systems	
Handling Programs	
Processes	
Foreground and Background Tasks	
System Start I In	-

Chapter 3: Commands and Utilities

Getting Started	1
Logging in to a UNIX System	1
pwd -print working directory	1
Basic Commands and Utilities	2
ls - list files	2
cat - concatenate	3
rm - remove	
head	5
tall	5
lp - line printer	
wc - word count	6

SYS-ED/COMPUTER EDUCATION TECHNIQUES, INC. (UNIX Ess - Solaris 10 - 8.4)

TOC: Page 1

UNIX Essentials Featuring Solaris 10 Op System

Table	of	Contents

Control Characters	23
Special Characters	25
Digits	27
Upper Case Characters	28
Lower Case Characters	30
Editing: Functional Organization	32
Simple Text Editing	37
Line-oriented Patterns	37

Chapter 5: Mail

Purpose and Function	٠ '
Modes of Operation	2
Compose Mode	3
Sending a Mail Message Contained in a File to a User	4
Specifying the Subject Content When Sending a Message	
Command Mode	
Help	
Reading the Current Message	8
Mail Headers	
Reading Specific Messages	10
Saving a Mail Message	11
Saving the Current Mail Message to a File	11
Message Management	12
Deleting the Current Message	12
Replying to a Mail Message	
Forwarding a Mail Message	12
Working in Compose Mode	
Using Different Mail Folders	
Executing Shell Commands	
Sending Mail to People at Other Host Machines or Sites	14

Chapter 6: Shell Environment

Purpose and Function	1
Shell Commands	1
Shell Variables	2
Predefined Shell Variables.	2
Shell Arguments and Quotes	
Shell Standard Input and Output	
Standard Device Redirection Operators	
Redirecting stdout	
Redirecting stderr	
Pipelines	8
Command Substitution	
Shell Positional Parameters	
Predefined Special Shell Variables	
Shell Conditional Tests	
Examples of Shell Scripts	
Batch Processing and UNIX Scheduling Priorities	
UNIX Batch Processing	
UNIX Scheduling Priorities.	
CTITY COLOGUING . HOLIOC	

pr - print 6.6 who 77 mesg - message		
mesg - message 7 ger - call - calendar 8 man - manual 8 piping Commands 8 password 9 w - move 9 Directory Management 10 cyd - change directory 15 mkdir - make directory 11 mridir - remove directory 11 set 11 Shell Variables 12 echo 38 Background Processing 14 sleep 14	pr - print	6
grep 7 cal - calendar 8 man - manual 8 Piping Commands 8 passwd - password 9 mv - move 9 Directory Management 10 pwd - print working directory 10 mkdir - make directory 11 mrdir - remove directory 11 set 11 Shell Variables 12 echo 13 Background Processing 14 step 14	who	7
grep 7 cal - calendar 8 man - manual 8 Piping Commands 8 passwd - password 9 m' - move 5 Directory Management 10 pwd - print working directory 1c mkdir - make directory 11 mrdir - remove directory 11 set 11 Shell Variables 12 echo 13 Background Processing 14 step 14	mesg - message	7
cal - calendar 8 man - manual 8 Piping Commands 8 password 9 mv - move 9 Directory Management 10 pud - print working directory 10 cd - change directory 11 midir - make directory 11 Set 11 Stell Variables 11 echo 13 Background Processing 14 sleep 14	greo	7
man - manual 8 Piping Commands 8 passwd - password 9 m' - move 9 Directory Management 10 pwd - print working directory 10 cd - change directory 11 mkdir - make directory 11 mdir - remove directory 11 Set 11 Shell Variables 12 echo 13 Background Processing 14 step 14	cal - calendar	8
Piping Commands 8 passwd - password 9 mv - move 9 Directory Management 10 pwd - print working directory 10 cd - change directory 11 mfdir - remove directory 11 rmdir - remove directory 11 Set 11 Shell Variables 11 echo 13 Background Processing 14 step 14		
passwd - password 9 mv - move 9 Directory Management 10 pwd - print working directory 10 cd - change directory 11 mkdir - make directory 11 rmdir - renove directory 11 set 11 Shell Variables 12 echo 13 Background Processing 14 slep 14		
mv - move 9 Directory Management 10 pwd - print working directory 10 cd - change directory 11 mdir - make directory 11 rmdir - remove directory 11 Set 11 Shell Variables 12 echo 13 Background Processing 14 sleep 14		
Directory Management 10 pwd - print working directory 10 od - change directory 11 mkdir - make directory 11 reference directory 11 set 11 Shell Variables 12 echo 13 Background Processing 14 slep 14		
pwd - print working directory 10 of - change directory 11 mkdir - make directory 11 rmdir - remove directory 11 set 11 Shell Variables 12 echo 13 Background Processing 14 sleep 14		
cd - change directory. 11 mkdir - make directory 11 rmdir - remove directory 11 set 11 Shell Variables 12 echo 13 Background Processing 14 sleep 14		
mkdir - make directory 11 mrdir - remove directory 11 set 11 Shell Variables 12 echo 13 Background Processing 14 sleep 14		
rmdir - remove directory 11 set 11 Shell Variables 12 echo. 13 Background Processing 14 sleep 14		
set 11 Shell Variables 12 echo 13 Background Processing 14 slep 14		
echo 13 Background Processing 14 sleep 14		
echo 13 Background Processing 14 sleep 14	Shell Variables	12
sleep		
sleep	Background Processing	14
DOS Commands and LINIX: Equivalence		
DOG Continuation and Oters. Equivalence	DOS Commands and UNIX: Equivalence	15

Chapter 4: vi Text Editor

Purpose and Function	
Specifying Terminal Type	
Editing a File	
Getting Out of the Editor	
Moving Around in a File	
Scrolling and Paging	
Searching, Goto, and Previous Context	
Moving Around on the Screen	
Moving within a Line	
Making Changes	
Inserting	
Making Minor Corrections	
Operator Corrections	
Operating on Lines	
Undoing	
Moving, Rearranging and Duplicating Text.	
Low Level Character Motions.	
High Level Text Objects	
Rearranging and Duplicating Text	
New Files: Writing, Quitting, and Editing	
Escaping to a Shell	
Marking and Returning	
Options, Set, and Editor Startup Files	
Recovery	
Recovering Lost Lines	
Character Functions	

SYS-ED/COMPUTER EDUCATION TECHNIQUES, INC. (UNIX Ess - Solaris 10 - 8.4)

TOC: Page 2

UNIX Essentials Featuring Solaris 10 Op System

Table of Contents

Chapter 7: CDE: Common Desktop Environment

Common Desktop Environment	1
Front Panel	
File Manager	3
Application Manager	. 4
Session Manager	5
CDE Desktop Tools	6
Application Development Tools	7
Windows and the Window Manager	8
Title Bar	
Window Menu	9
Active Window	11
Window Tiling	12
Iconification	12

Chapter 8: Networking

rlogin - Logging In Remotely	3
rcp: Copying Files Remotely	
rsh - Executing Commands Remotely	
rusers - Viewing User Information	
finger	
ftp - File Transfer Protocol	8
ftp Site	9
Invoking ftp	9
ftp Command Interpreter	10
ftp: Basic Operations	
Commands	
TCP/IP	
TCP Services	
TCP/IP Protocols	19
The TCP Level	
Network Card Configuration	20

Chapter 9: Script Programming

Script Fundamentals	1-
PATH	
Variables	
Command Line Arguments	
Command Substitution	
Arithmetic Expansion	
Control Constructs	1
If Then Flif Flse	1
Do While	1
For Service Se	
Case	1
Control Constructs. If. Then. Elif. Else Do. While.	1 1 1

Chapter 10: Working Environment

Environment Variables	ď
Initialization Files - Modifying	1
Default Shells	
User Profile	
Environment Variables - Setting	
User Profile	
PATH Variable - Setting	
Command Aliases	
Command Prompt - Changing	
Useful Variables	
Outline Buffell File Beautiful and	