

Chapter 1: UNIX Administration
You will learn: <ul style="list-style-type: none">• The different UNIX variants.• Features of the UNIX operating system.• Running commands.• Utilities.
Chapter 2: System Administration Tasks
You will learn: <ul style="list-style-type: none">• Tasks for the system administrator.• Managing new user accounts.• Providing user support.• Administrator responsibilities.• Monitoring performance.• Network responsibilities.
Chapter 3: UNIX Installation
You will learn: <ul style="list-style-type: none">• Planning for installations.• Domain names.• Disk partitions.• Booting options.
Chapter 4: Startup and Shutdown
You will learn: <ul style="list-style-type: none">• Starting routines and scripts.• Startup configuration files.• Use of RC scripts.• Shutdown procedures.

<p>Chapter 5: User Administration</p> <p>You will learn:</p> <ul style="list-style-type: none"> • Adding new users. • Use of passwords and password files. • User maintenance commands.
<p>Chapter 6: File System and Disk Administration</p> <p>You will learn:</p> <ul style="list-style-type: none"> • What a file system is. • The function of an inode. • Mounting and unmounting a file systems. • Listing information about file systems. • File system commands.
<p>Chapter 7: Kernel Basics and Configuration</p> <p>You will learn:</p> <ul style="list-style-type: none"> • The functions of a kernel. • How to recognize the difference between user and kernel mode. • Configuration files for the kernel. • Memory, I/O and CPU options.
<p>Chapter 8: Networking</p> <p>You will learn:</p> <ul style="list-style-type: none"> • The TCP/IP featureset. • TCP/IP commands. • How to resolve TCP/IP problems. • How to use TCP/IP log files.
<p>Chapter 9: Accounting</p> <p>You will learn:</p> <ul style="list-style-type: none"> • Accounting features. • Generate accounting reports. • Starting and stopping accounting statistics.

<p>Chapter 10: Performance Monitoring</p> <p>You will learn:</p> <ul style="list-style-type: none"> • Computer resources. • Performance and monitoring tools. • Memory and I/O monitoring. • Process monitoring.
<p>Chapter 11: Printers</p> <p>You will learn:</p> <ul style="list-style-type: none"> • Setting up a printer. • Managing a printer or a pool of printers. • Starting printing services and scheduling.
<p>Chapter 12: FTP Administration</p> <p>You will learn:</p> <ul style="list-style-type: none"> • The administration requirements for FTP. • The FTP connections. • FTP and its associated commands. • How to use the netrc file.
<p>Chapter 13: Backing Up and Restoring the System</p> <p>You will learn:</p> <ul style="list-style-type: none"> • Backup and restore commands. • How to use tar and cpio. • The backup/restore associated with a UNIX variant.
<p>Chapter 14: Bourne Scripts</p> <p>You will learn:</p> <ul style="list-style-type: none"> • Coding scripts. • Use of special variables. • Testing external programs. • Design and layout of Bourne scripts.
<p>Chapter 15: Shell Fundamentals</p> <p>You will learn:</p> <ul style="list-style-type: none"> • How to create a shell program. • The different shells. • How to use and work with positional parameters. • Command substitution.

Chapter 16: Bourne Shell Programming

You will learn:

- The Bourne programming featureset.
- How to use Bourne statements.
- How to code a data entry program.
- Coding a built in test.

Chapter 17: Process Handling

You will learn:

- How to use built-in commands.
- String comparisons.
- File attributes.
- Arrays in Korn shells.