

**Mac OS X Tiger Edition**

A Practical Guide to

# UNIX<sup>®</sup> for Mac OS<sup>®</sup> X Users

A large, stylized, blue 3D-rendered letter 'X' with a metallic sheen and a slight shadow, positioned on the left side of the cover.

- » Discover the power of UNIX behind Mac OS X with the perfect tutorial and reference for every OS X user and system administrator!
- » A comprehensive, practical guide *plus* Mark Sobell's user-friendly, 236-page UNIX command reference—fully adapted for OS X—with *hundreds* of realistic, high-quality examples!
- » Covers 91 core utilities, shell programming, editors, and programming tools . . . both traditional UNIX capabilities *and* those created for OS X!

**Mark G. Sobell**  
**Peter Seebach**

## PRAISE FOR MARK SOBELL'S BOOKS

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“If you want to become a real Linux guru, this is one of the better books available. Readable, straightforward, educational, it is a superb reference that blends the educational aspect of a typical book on learning Linux with a typical book of command line references. I highly recommend *A Practical Guide to Linux® Commands, Editors, and Shell Programming*.”

—Harold D. McFarland  
*Editor, Readers Preference Reviews*

“I keep searching for books that collect everything you want to know about a subject in one place, and keep getting disappointed. Usually the books leave out some important topic, while others go too deep in some areas and must skim lightly over the others. *A Practical Guide to Red Hat® Linux®* is one of those rare books that actually pulls it off. Mark G. Sobell has created a single reference for Red Hat Linux that cannot be beat! This marvelous text (with a 4-CD set of Linux Fedora Core 2 included) is well worth the price. This is as close to an ‘everything you ever needed to know’ book that I’ve seen. It’s just that good and rates 5 out of 5.”

—Ray Lodato  
*Slashdot contributor*

“Mark Sobell has written a book as approachable as it is authoritative.”

—Jeffrey Bianchine  
*Advocate, Author, Journalist*

“Excellent reference book, well suited for the sysadmin of a Linux cluster, or the owner of a PC contemplating installing a recent stable Linux. Don’t be put off by the daunting heft of the book. Sobell has striven to be as inclusive as possible, in trying to anticipate your system administration needs.”

—Wes Boudville  
*Inventor*

# Practical Guide to UNIX for Mac OS X Users, A

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sample: Very brief description of what the utility does

at: Executes commands at a specified time

bzip2: Compresses or decompresses files

cal: Displays a calendar

cat: Joins and displays files

cd: Changes to another working directory

chgrp: Changes the group associated with a file

chmod: Changes the access mode (permissions) of a file

chown: Changes the owner of a file and/or the group the file is associated with

cmp: Compares two files

comm: Compares sorted files

configure: Configures source code automatically

cp: Copies files

cpio: Creates an archive, restores files from an archive, or copies a directory

crontab: Maintains crontab files

cut: Selects characters or fields from input lines

date: Displays or sets the system time and date

dd: Converts and copies a file

df: Displays disk space usage

diff: Displays the differences between two files

diskutil: Checks, modifies, and repairs local volumes

ditto: Copies files and creates and unpacks archives

dmesg: Displays kernel messages

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du: Displays information on disk usage by file

echo: Displays a message

expr: Evaluates an expression

file: Displays the classification of a file

find: Finds files based on criteria

finger: Displays information about users

fmt: Formats text very simply

ftp: Transfers files over a network

gcc: Compiles C, Objective-C, and C++ programs

GetFileInfo: Displays file attributes

grep: Searches for a pattern in files

gzip: Compresses or decompresses files

head: Displays the beginning of a file

kill: Terminates a process by PID number

killall: Terminates a process by name

launchctl: Controls the launchd daemon

less: Displays text files, one screen at a time

ln: Makes a link to a file

lpr: Sends files to printers

ls: Displays information about one or more files

make: Keeps a set of programs current

man: Displays documentation for commands

mkdir: Creates a directory

mv: Renames or moves a file

nice: Changes the priority of a command

netdump: Display contents of a NetInfo database

nohup: Runs a command that keeps running after you log out

od: Dumps the contents of a file

open: Opens files, directories, and URLs

otool: Displays object, library, and executable files

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paste: Joins corresponding lines from files

pax: Creates an archive, restores files from an archive, or copies a directory

plutil: Manipulates property list files

pr: Paginates files for printing

ps: Displays process status

rcp: Copies one or more files to or from a remote system

renice: Changes the priority of a process

rlogin: Logs in on a remote system

rm: Removes a file (deletes a link)

rmdir: Removes a directory

rsh: Executes commands on a remote system

scp: Securely copies one or more files to or from a remote system

SetFile: Sets file attributes

sleep: Creates a process that sleeps for a specified interval

sort: Sorts and/or merges files

split: Divides a file into sections

ssh: Securely executes commands on a remote system

stat: Displays information about files

strings: Displays strings of printable characters

stty: Displays or sets terminal parameters

sysctl: Displays and alters kernel variables

tail: Displays the last part of a file

tar: Stores or retrieves files to/from an archive file

tee: Copies standard input to standard output and one or more files

telnet: Connects to a remote system over a network

test: Evaluates an expression

top: Dynamically displays process status

touch: Changes a files access and/or modification time

tr: Replaces specified characters

tty: Displays the terminal pathname

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umask: Establishes the file-creation permissions mask

uniq: Displays unique lines

w: Displays information about system users

wc: Displays the number of lines, words, and bytes

which: Shows where in PATH a command is located

who: Displays information about logged-in users

xargs: Converts standard input into command lines

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