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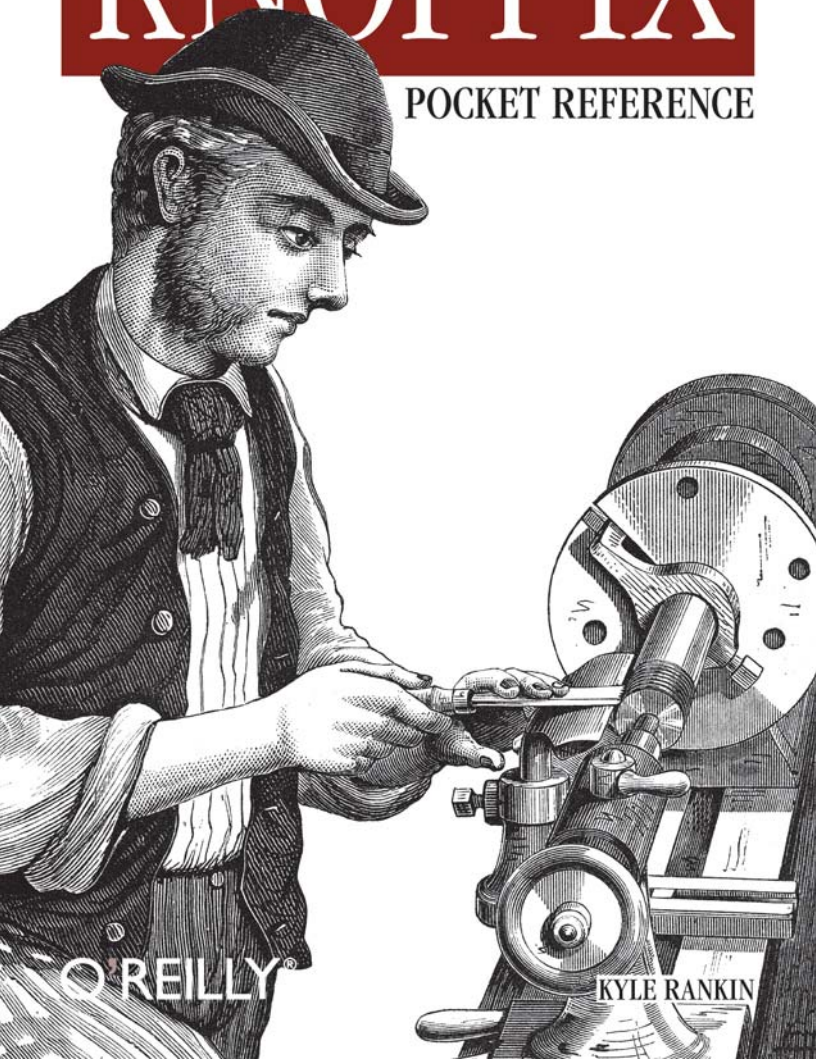

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Knoppix is a Linux distribution that runs entirely from CD. Linux users and system administrators often use Knoppix to demonstrate Linux or other open source programs. But Knoppix's real claim to fame is the tools it offers for troubleshooting and repairing computer problems on both Linux and Windows computers.

Knoppix Pocket Reference shows you how to boot Linux on almost any PC computer, recover data from damaged hard drives, fix corrupt Linux filesystems, virus-scan Windows computers offline, and even perform forensic analysis on a compromised system. And for the truly daring, this book shows you how to customize a Knoppix CD to include only the programs and utilities that you need most.

Knoppix is a versatile tool that belongs next to every PC computer. It is truly the Linux distribution that no Linux or Windows user should be without.

Kyle Rankin is a system administrator who enjoys troubleshooting, problem solving, and system recovery. Besides this handy reference, he is the author of the bestselling *Knoppix Hacks*.

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Knoppix Pocket Reference
by Kyle Rankin

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Knoppix Pocket Reference

Introduction

Knoppix is a complete Linux distribution, created by Klaus Knopper, that runs from a bootable CD-ROM. A Knoppix CD contains over 2 GB of files in its compressed filesystem, including a complete desktop environment, web browsers, an office suite, network tools, and even games. Knoppix requires no installation to use, and when it shuts down, it leaves the underlying system in its previous state.

This book's purpose is to pack all of the information you might need when using Knoppix into a format you can easily carry around with you. Knoppix fits enormous functionality into a pocket size, so why shouldn't its reference do the same? System administrators and power users of Linux and Windows alike will find ready access to the rescue instructions they need when the worst has happened to their system. Knoppix fans will find cheat codes (options passed to Knoppix at boot time) organized into categories and common Knoppix functions documented and easy to locate. Knoppix experts interested in remastering (creating your own live distribution—see the later section "Remaster Knoppix") can quickly determine the function of important files, along with each of the shell commands that make remastering possible.

The official web site for Knoppix is *http://www.knoppix.org*; it contains information about the project, including some documentation and a list of mirror sites for the 700MB CD-ROM