



# Pro Linux System Administration (Expert's Voice in Open Source)

*James Turnbull, Peter Lieverdink, Dennis Matotek*

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We can all be Linux experts, provided we invest the time in learning the craft of Linux administration. *Pro Linux System Administration* makes it easy for small- to medium-sized businesses to enter the world of zero-cost software running on Linux and covers all the distros you might want to use, including Red Hat, Ubuntu, Debian, and CentOS. Authors, and systems infrastructure experts **James Turnbull, Peter Lieverdink**, and **Dennis Matotek** take a layered, component-based approach to open source business systems, while training system administrators as the builders of business infrastructure.

If you want to implement a SOHO or SMB Linux infrastructure, *Pro Linux System Administration* clearly demonstrates everything you need. You'll find this book also provides a solid framework to move forward and expand your business and associated IT capabilities, and you'll benefit from the expertise and experienced guidance of the authors. *Pro Linux System Administration* covers

- An introduction to using Linux and free and open source software to cheaply and efficiently manage your business
- A layered model that allows your infrastructure to grow with your business
- Easy and simple-to-understand instructions including configurations, examples, and extensive real-world hints and tips

## What you'll learn

- Linux architecture
- How to build, back up, and recover Linux servers
- Creating basic networks and network services with Linux
- Building and implementing Linux infrastructure and services including mail, web, databases, and file and print
- Implementing Linux security
- Understanding Linux performance and capacity planning issues

## Who this book is for

This book is for small to medium-sized business owners looking to run their own IT, system administrators considering migrating to Linux, and IT systems integrators looking for an extensible Linux infrastructure management approach.

## Table of Contents

1. Introducing Linux
2. Installing Linux
3. Linux Basics
4. Users and Groups
5. Startup and Services

6. Networking and Firewalls
7. Package Management
8. Storage Management and Disaster Recovery
9. Infrastructure Services: NTP, DNS, DHCP, and SSH
10. Mail Services
11. Web and SQL Services
12. File and Print Sharing
13. Backup and Recovery
14. Networking with VPNs
15. Collaborative Services
16. Directory Services
17. Performance Monitoring and Optimization
18. Logging and Monitoring
19. Configuration Management
20. Virtualization

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