



Learning RHEL Networking

By Andrew Mallett

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Gain Linux administration skills by learning new networking concepts in Red Hat Enterprise Linux 7

About This Book

- Discover how to deploy the networks services Chrony, Network Time Protocol (NTP), Domain Name System (DNS), and Dynamic Host Configuration Protocol (DHCP)
- Deploy RHEL 7 into your Microsoft Active Directory Domain to utilize Single-Sign in Linux and Active Directory with a single account
- Master firewalling your network and server with Firewallld

Who This Book Is For

This book is ideal for administrators who need to learn the networking abilities of Red Hat Enterprise Linux 7. You may not be a Linux administrator already, but you will need to be able to test files in Linux and navigate the filesystem.

What You Will Learn

- Master the new time daemon, chronyd, and understand why it is used over the more traditional NTP
- Delve inside the workings of the kernel-based iSCSI target that shares disks on your network
- Share data with your Windows network and make use of their users and groups for authentication, without the need to replace your existing infrastructure
- Shield your users and data from the ever-present dangers that exist on the Internet by implementing and understanding SELinux
- Deploy Apache 2.4 and make use of its new features
- Provide saleable and fault-tolerant file systems with btrfs, more quickly than you could ever imagine
- Protect your investment using the new firewallld process, enabling you to deploy firewall changes while the firewall is in place

In Detail

Red Hat Enterprise Linux (RHEL) is the most popular Linux distribution currently being used and can be deployed on many platforms. Enterprises that have a large number of systems need to be interconnected, configured, and managed effectively. RHEL networking lets you accomplish these tasks easily.

This is a highly-detailed guide to help with your deployments on RHEL 7 or CentOS 7. This book, based on RHEL 7.1, will introduce to you the fundamentals of networking your systems. You will learn the use of new consistent names to identify your network cards. Soon, you will move on to configuring the basic plumbing of your network, setting up time, network address assignment, and name resolution. Last, the focus moves to configuring the new kernel-based iSCSI target services on RHEL 7 and using the service to host storage area networks.

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Editorial Review

About the Author

Andrew Mallett

Andrew Mallett has been working in the IT industry since 1986. He has worked with Linux technologies since the release of the original Red Hat Linux 7 in 1999. Andrew not only possesses Linux skills and certifications, but also consults and teaches Linux and other technologies. He has written books on Linux on Citrix, which were published by Packt Publishing. Andrew has also been an active participant and works as a volunteer sysop. He is a SUSE Certified Linux Instructor, which enables him to help, support, and develop the official Novell SUSE curriculum worldwide. Andrew currently works for his own company. He can be found on Twitter at <http://theurbanpenguin.com> and @theurbanpenguin. His published video courses on Linux can be found at <http://www.pluralsight.com>.

Users Review

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Jessica Keith:

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