



# CentOS 7 Linux Server Cookbook - Second Edition

By *Oliver Pelz, Jonathan Hobson*

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**CentOS 7 Linux Server Cookbook - Second Edition** By Oliver Pelz, Jonathan Hobson

**Over 80 recipes to get up and running with CentOS 7 Linux server**

## About This Book

- A practical guide to install, configure, administer and maintain CentOS 7 servers
- An in-depth guide to the CentOS 7 operating system, exploring its various new features and changes in server administration
- Presents tricks and solutions to tackle common server issues with the help of practical examples and real-life scenarios

## Who This Book Is For

This book is targeted at beginner and more experienced system administrators alike who want to use CentOS as their server solution. Readers do not need much pre-knowledge or experience at all to work with this book.

## What You Will Learn

- Install and configure CentOS 7 Linux server system from scratch using normal and advanced methods
- Maintain a performance-based and secure server solution by deploying expert configuration advice and managing software packages
- Monitor, manage and develop your server's file system to maintain a stable performance
- Gain best practice methods on sharing files and resources through a network
- Install and configure common standard services such as web, mail, FTP, database and domain name server technologies
- Introduce you to the world of operating-system-level virtualization using the Docker platform.
- Understand the fundamentals of the Security-Enhanced Linux access control architecture

- Monitor your IT infrastructure using Nagios

## In Detail

This book will provide you with a comprehensive series of starting points that will give you direct access to the inner workings of the latest CentOS version 7 and help you trim the learning curve to master your server.

You will begin with the installation and basic configuration of CentOS 7, followed by learning how to manage your system, services and software packages. You will then gain an understanding of how to administer the file system, secure access to your server and configure various resource sharing services such as file, printer and DHCP servers across your network. Further on, we cover advanced topics such as FTP services, building your own DNS server, running database servers, and providing mail and web services. Finally, you will get a deep understanding of SELinux and you will learn how to work with Docker operating-system virtualization and how to monitor your IT infrastructure with Nagios.

By the end of this book, you will have a fair understanding of all the aspects of configuring, implementing and administering CentOS 7 Linux server and how to put it in control.

## Style and approach

This book is a practical reference guide with hands-on examples and solutions to real-world administration problems. It covers in-depth and comprehensive information on CentOS 7 and its new features.

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## **Editorial Review**

About the Author

### **Oliver Pelz**

Oliver Pelz has more than 10 years of experience as a software developer and system administrator. He graduated with a diploma degree in bioinformatics and is currently working at the German Cancer Research center in Heidelberg where he has authored and co-authored several scientific publications in the field of Bioinformatics. As well as developing web applications and biological databases for his department and scientists all over the world, he administers a division-wide Linux-based data center and has set up two high-performance CentOS clusters for the analysis of high-throughput microscope and genome sequencing data. He loves writing code, riding his mountain bike in the Black Forest of Germany and has been an absolute Linux and open source enthusiast for many years. He has contributed to several open-source projects in the past and also worked as a reviewer on the book CentOS High Performance, Packt Publishing. He maintains an IT tech blog at [www.oliverpelz.de](http://www.oliverpelz.de).

### **Jonathan Hobson**

Jonathan Hobson is a web developer, systems engineer, and applications programmer. For more than 20 years, he has been working behind the scenes to support companies, organizations, and individuals around the world to realize their digital ambitions. With an honors degree in both english and history and as a respected practitioner of many computer languages, Jonathan enjoys writing code, publishing articles, building computers, playing the video games, and getting 'out and about' in the big outdoors. He has been using CentOS since its inception, and over the years, it has not only earned his trust, but it has also become his first choice for a server solution. CentOS is a first class community-based enterprise class operating system. It is a pleasure to work with and because of this, Jonathan has written this book so that his knowledge and experience can be passed on to others.

## **Users Review**

**From reader reviews:**

### **June Edwards:**

Why? Because this CentOS 7 Linux Server Cookbook - Second Edition is an unordinary book that the inside of the publication waiting for you to snap the item but latter it will distress you with the secret it inside. Reading this book adjacent to it was fantastic author who else write the book in such remarkable way makes the content within easier to understand, entertaining way but still convey the meaning totally. So , it is good for you because of not hesitating having this nowadays or you going to regret it. This unique book will give you a lot of benefits than the other book have such as help improving your talent and your critical thinking way. So , still want to hold off having that book? If I were you I will go to the book store hurriedly.

**John Charles:**

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**Chad West:**

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**Maria Trussell:**

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