

Docker: Docker Guide for Production Environment (Programming is Easy) (Volume 8)

By Matthew Gimson



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Docker

Docker Guide for Production Environment

This book is an exploration of how the Docker can be used in a production environment. It is also a continuation of the first part of the book. The book provides you with a guide on how to install the Docker on the various Linux distributions. Most of the Linux distributions explored in this book include Ubuntu, Oracle Linux, Red Hat Enterprise Linux, openSUSE and SUSE Enterprise Linux. Ubuntu and openSUSE are mostly used for normal tasks. The others are largely used in production environments, due to their enterprise support. After reading this book, you will know how to install, test and then uninstall the Docker in these environments. The Docker containers have then been explored in details. Most of its components have been discussed. You will understand the role of most of these elements and how the Docker container works. Docker deployment tools have been discussed. Three tools, namely, the Fig tool, the Drone and the wrapdocker have been explored, thus, on reading this book, you will get to know how to use these tools. The process of developing Docker images with Drone has been discussed, as well as how to deploy the image. Networking in the Docker has also been explored. Commands for both IPV4 and IPV6 have been given. You will know how to configure the Docker so as to allow for incoming connections. Docker orchestration tools have been discussed, thus, you will know how to use these. The last part of this book explores the best practices for Docker security.

Here is a preview of what you'll learn:

- Definition
- Deployment and testing of Docker-based Linux containers

- Deeper understanding of Containers composition and internal processes
- Docker Deployment Tools
- Networking in Docker
- Docker Orchestration
- Docker Security

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