



The Docker Book: Containerization is the new virtualization

James Turnbull

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A new book designed for SysAdmins, Operations staff, Developers and DevOps who are interested in deploying the open source container service Docker.

In this book, we'll will walk you through installing, deploying, managing, and extending Docker. We're going to do that by first introducing you to the basics of Docker and its components. Then we'll start to use Docker to build containers and services to perform a variety of tasks.

We're going to take you through the development life cycle, from testing to production, and see where Docker fits in and how it can make your life easier. We'll make use of Docker to build test environments for new projects, demonstrate how to integrate Docker with continuous integration workflow, and then how to build application services and platforms. Finally, we'll show you how to use Docker's API and how to extend Docker yourself.

We'll teach you how to:

- * Install Docker.
- * Take your first steps with a Docker container.
- * Build Docker images.
- * Manage and share Docker images.
- * Run and manage more complex Docker containers.
- * Deploy Docker containers as part of your testing pipeline.
- * Build multi-container applications and environments.
- * Explore the Docker API.
- * Getting Help and Extending Docker.

The Docker Book: Containerization is the new virtualization Details

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From Reader Review The Docker Book: Containerization is the new virtualization for online ebook

Vedran says

The book starts from how to install and configure the Docker Engine, proceeding with explanations of concepts involved and then explaining how to build/orchestrate your own containers.

Each covered Docker feature is explained and then demonstrated on an example guiding the reader through each step along the way. Covered topics include: essential Docker commands, working with Dockerfiles, Docker registries, dockerizing various [simple] applications which use other containerized services (e.g. Redis), building a multi-container CI/CD pipeline and orchestrating containers with Docker Swarm and Docker Compose.

Containerization examples can run on Windows/Linux/macOS hosts and are easy to follow if one has basic familiarity with the Linux command line (since Ubuntu 16.04 is used as a base image), while the containerized applications are simple enough to understand for people with experience in imperative programming (even though they are written in various programming languages e.g. Ruby, Java, JavaScript).

All in all an excellent introductory Docker book, but if you're already experienced with Docker and are looking for production-ready container recipes/advice, you should probably look elsewhere.

Nikolay says

Very good introduction to Docker with some concrete use cases you can apply in your everyday work.

Andrew George says

Got me started

A well written introduction to the world of Docker. I would recommend to anyone looking to move from VM based infrastructure.

Pedro Duarte says

Very good and concise introduction to Docker.

vijender thakur says

Nice

The basics are very well explained . Initial chapters are too good. This book is one pit stop for learning the basics of Docker

Steve says

Project focused and highly detailed.

Sitdhibong Laokok says

???????????????

Kevin Lambert says

I highly recommend this book if you are new to Docker. When I started reading it, I had heard of Docker, but I didn't really have a grasp on what containerization was, or how it could be useful. This book changed that. It provided extremely useful hands-on examples of how to get Docker working and some of the many different use-cases for it. You will start by installing Docker, then building simple images and containers. You will learn how to connect your containers through Docker Networking. You'll learn how to connect volumes between your host and containers, then between containers and how that might be useful. One of my favorite projects was building a basic continuous integration server with a Jenkins container that spawns new containers, runs tests, then destroys those containers. There are a lot of really interesting projects that you will create that show how containerization can help you.

All of the examples come with very well-written instructions and screenshots. I ran my Docker host on an Ubuntu 16.04 VM in VirtualBox for Windows and only ran into a very small number of issues that weren't very difficult to troubleshoot (such as: depending on the Redis version in your container, it may or may not work with the "--protected-mode no" command). Having all of the examples work pretty much flawlessly is saying a lot for a book that was released in 2014 for such a rapidly evolving and growing technology like Docker. That compatibility is largely because the author keeps the content up-to-date with frequent updates (five times so far in 2017 alone) so you can expect the content to be relevant no matter when you read it.

Bottom line: if you want to get up to speed quickly on Docker and get some hands-on experience with what it can do, this is a fantastic resource.

César Bustíos says

Containerization is the new virtualization

Indeed, it is! Docker is a game-changer and an amazing tool we all should be taking advantage of. It completely changes the way we build and ship software.

James Turnbull did a great job at getting someone to learn Docker in a precise and concise way. It was a quick read, a great introduction full of examples and information. The downside is that most parts are already outdated (but that's my fault for waiting so much to read it).

Recommended.

Manuel Garcia says

Quite technical but a good guide / Lab to learn about containers and its orchestration. Better with a computer side.

Jelena K says

Imagine that You have only two days to learn Docker from scratch. Sounds impossible? Oh no. This book is an excellent solution for widening Your knowledge.

You will follow best practices and also working with real examples. But there is one sad thing.. There are too much pages devoted to introduction and installation. I skipped at least 70 pages.. :)

Yiorgos Adamopoulos says

I am unsure as to how to characterize the book. The author makes an honest effort to make it a good introduction to a complex thing like docker is, but to me it is unclear who the audience is: System Administrators who need to learn the basics of docker containers and a bit of orchestration, or developers who need to learn to build systems to work with docker and have never seen it before?

Bruno says

I got the opportunity to work with Docker on my current job, so I needed a quick and practical introduction on the topic. James did a great job explaining the basic concepts with useful and "real world" examples. Instead of going through thousands of outdated tutorials online, this book has everything you need with up2date content.

Vincent Zhu says

the primer and comprehensive book to get me into the wonderful ecosystem, I read it twice actually with latest revision, it's suitable for everyone who wants to apply docker in production and dev. Also, it's worthy for somebody who just want to keep relevant and updated.

Konstantin Root says

Highly recommended for anyone starting to use Docker - it will cover all aspects and will teach you to work with Docker *right way*.

Book is kept up-to-date with latest releases, at least right now ;)
