COURSE

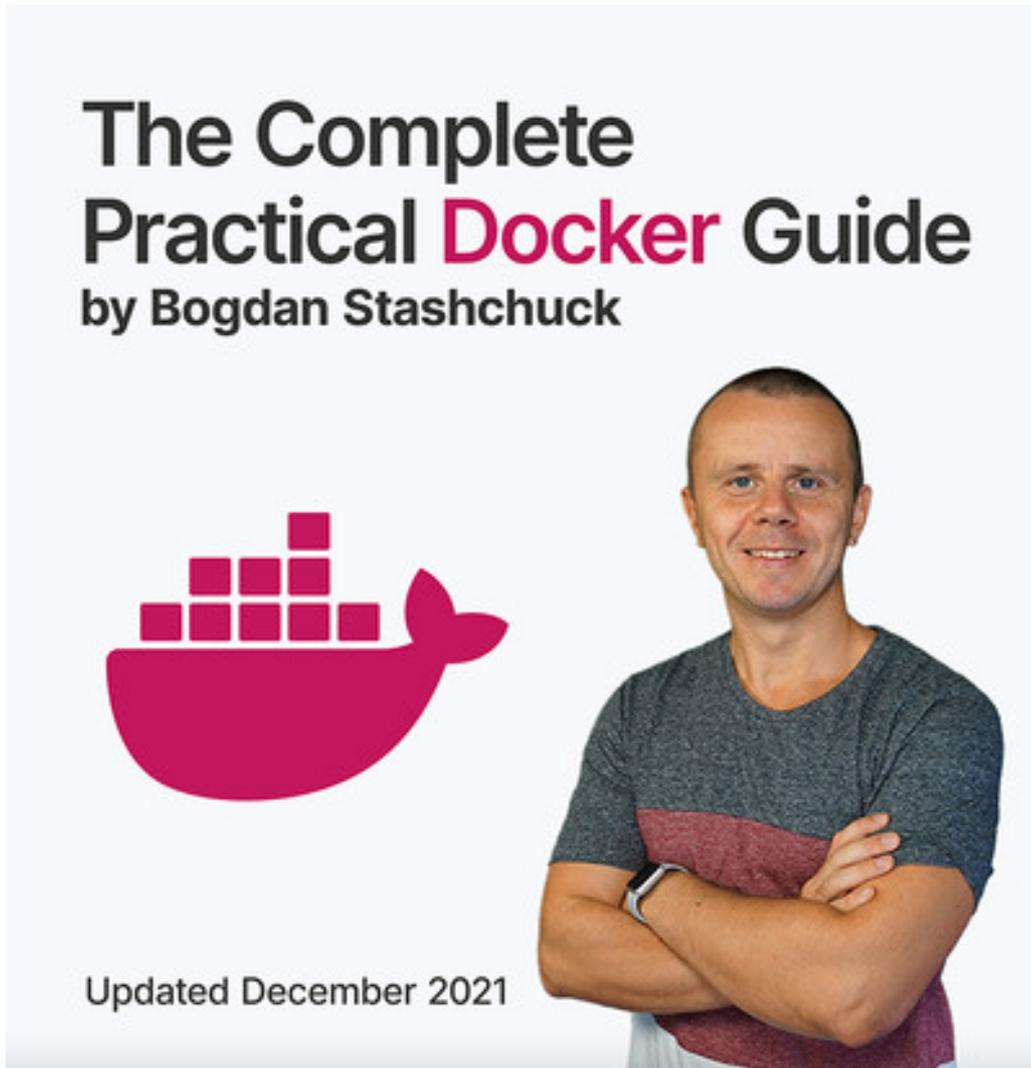# The Complete Practical Docker Guide

★★★★★ 23 reviews

By **Bogdan Stashchuk**

Start

TIME TO COMPLETE:
18h 31m

LEVEL:
Beginner

TOPICS:

Docker

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Docker is a software framework for building, running, and managing containers on servers and the cloud. In this course, you'll start by installing Docker on your computer - macOS, Windows, or Linux. Afterward, you'll jump into tons of practice activities and use different Docker features. You'll pull different Docker images and run multiple containers using them.

In practice sections, you'll perform multiple practice Docker activities, such as running Docker containers in the foreground and background, then connecting to certain processes in Docker from the terminal. After that, you'll learn to expose internal container ports to the outside and add environment variables for containers. You'll also create custom names and hostnames for containers, create a custom bridge network and run multiple containers inside of it, communicate between containers, and persist container folders using volumes mapping.

Next, you'll also learn and practice how to use different Docker images (view and edit them). For that, you will not use the terminal; instead, you'll use the GUI application Visual Studio Code.

By the end of this course, you'll gain fundamental practical knowledge of Docker and be able to easily use it for the development and testing of your applications.

Most importantly, you'll understand Docker's main features such as Docker Volumes, Docker networking, and environment variables.

What You Will Learn

- Learn how to use Docker images and create containers
- Manage Docker containers: start, stop, prune, restart
- Enable port mapping and expose container ports to outside
- Run Node and Python applications using Docker containers
- Create environment variables for Docker containers
- Create custom bridge networks and run multiple containers

Audience

This course is for anyone who is interested in learning about Docker and its components via practical projects. Any software developer who

wants to develop, ship, and run their applications in their regular day-to-day work can highly benefit from this course.

There are no specific requirements, just a desire to make your hands dirty and learn Docker by doing it. Any OS (macOS, Windows, or Linux) will work to get started with this course.

About The Author

Bogdan Stashchuk: Bogdan Stashchuk is an experienced instructor (over 20+ years) with a software engineering background. He teaches complex stuff in an easy step-by-step manner. All his courses include practical exercises, which allow the learners to follow him from the start of any course till the end. Learners will perform all tasks the same way he does in his video lectures. There are a lot of challenging assignments, the solutions for which are discussed inside the course. This is the perfect combination that enables you to really learn and retain gained knowledge for a long period of time.

About the Publisher

Packt helps real-world developers put software to work in new ways with over 7,500 practical books and videos covering over 1,000 technologies. With coverage ranging from introductory programming to new and emerging technologies, as well as expert advice from industry-leading figures, Packt has great content for any technical professional looking to stay relevant and keep their skills up-to-date.

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