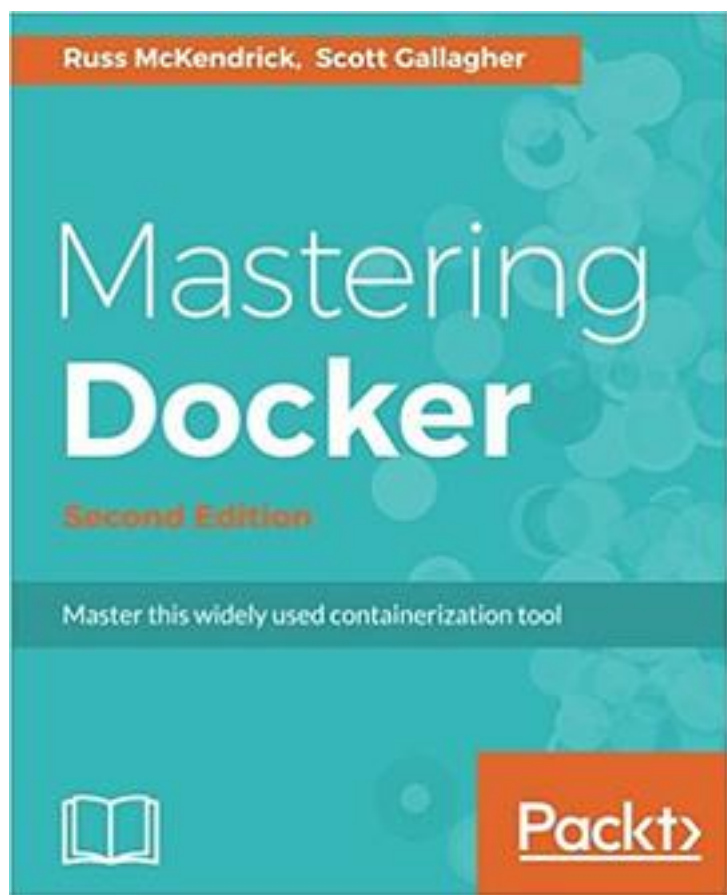# Mastering Docker - Second Edition

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出版者:Packt Publishing

出版时间:2017-7-21

装帧:Paperback

isbn:9781787280243

About This Book

Experience first- and third-party tools such as Docker Compose, Docker Machine, Portainer, and RancherLearn how to leverage Kubernetes, Amazon ECS, and Docker

Swarm and know when each solution is appropriateDiscover how Docker can be integrated into your daily workflows

Who This Book Is For

If you are an I.T Professional and recognize Docker's importance for innovation in everything from system administration to web development, but aren't sure how to use it to its full potential, this book is for you.

What You Will Learn

Become fluent in the basic components and concepts of DockerSecure your containers and files with Docker's security featuresExtend Docker and solve architectural problems using first- and third-party orchestration tools, service discovery, and pluginsLeverage the Linux container virtualization paradigm by creating highly scalable applications

In Detail

Docker has been a game-changer when it comes to how modern applications are deployed and architectured. It has now grown into a key driver of innovation beyond system administration, with an impact on the world of web development and more. But how can you make sure you're keeping up with the innovations it's driving

This book shows you how; it not only demonstrates how to use Docker more effectively, it also helps you rethink and reimagine what's possible with Docker.

You will also cover basic topics such as building, managing and storing images along with best practices to make you confident before delving more deeply into Docker security.

You'll find everything related to extending and integrating Docker in new and innovative ways. Docker Swarm and Docker Compose will help you take control of your containers in an efficient way.

By the end of the book, you will have a broad and detailed sense of exactly what's possible with Docker and how seamlessly it fits in with a range of other platforms and tools.

Style and approach

A clear, concise, and straightforward book to make you a Master in Docker by including topics such as extending and integrating Docker along with different Docker tools, in a way that's accessible and practical. This book has been created to help you put new ideas into practice, and to demonstrate precisely what's possible with Docker.

作者介绍:

About the Author

Russ McKendrick is an experienced solutions architect who has been working in IT and related industries for the better part of 25 years. During his career, he has had varied responsibilities in many different sectors, ranging from looking after an entire IT

infrastructure to providing first-line, second-line, and senior support in both client-facing and internal teams for small and large organizations.Russ works almost exclusively with Linux, using open source systems and tools across both dedicated hardware and virtual machines hosted in public and private clouds at Node4 Limited, where he heads up the Open Source Solutions team.In his spare time, he has written four books on Docker: Monitoring Docker, Extending Docker, and Docker Bootcamp, which are all available now from Packt, as well as contributing to Monitoring and Management With Docker and Containers, which was published by The New Stack.He also buys way too many vinyl records.Scott Gallagher has been fascinated with technology since he played Oregon Trail in elementary school. His love for it continued through middle school as he worked on more Apple IIe computers. In high school, he learned how to build computers and program in BASIC. His college years were all about server technologies such as Novell, Microsoft, and Red Hat. After college, he continued to work on Novell, all the while maintaining an interest in all technologies. He then moved on to manage Microsoft environments and, eventually, what he was most passionate about: Linux environments. Now, his focus is on Docker and cloud environments.

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