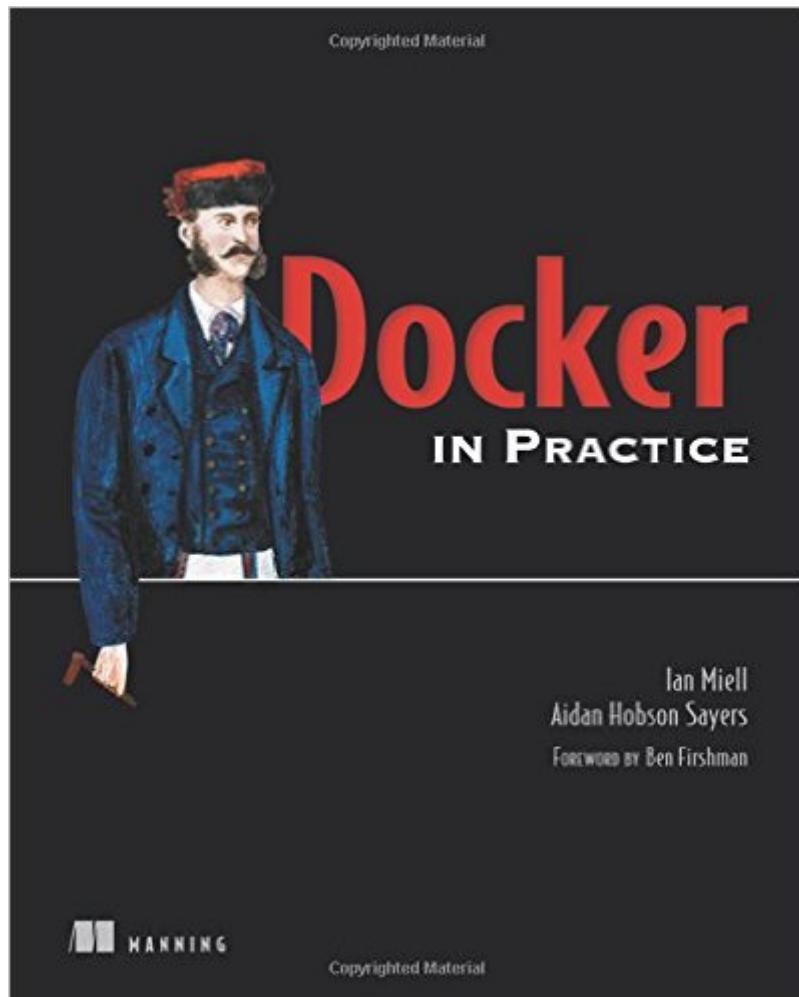


The book was found

Docker In Practice



Synopsis

Summary An open source container system, Docker makes deploying applications painless and flexible. Docker is powerful and simple to use, and it makes life easier for developers and administrators alike providing shorter build times, fewer production bugs, and effortless application roll-out. About the Book Docker in Practice is a hands-on guide that covers 101 specific techniques you can use to get the most out of Docker. Following a cookbook-style Problem/Solution/Discussion format, this practical handbook gives you instantly useful solutions for important problems like effortless server maintenance and configuration, deploying microservices, creating safe environments for experimentation, and much more. As you move through this book, you'll advance from basics to Docker best practices like using it with your Continuous Integration process, automating complex container creation with Chef, and orchestration with Kubernetes. What's InsideSpeeding up your DevOps pipelineCheaply replacing VMsStreamlining your cloud workflowUsing the Docker HubNavigating the Docker ecosystem About the Reader For anyone interested in real-world Docker. About the Authors Ian Miell and Aidan Hobson Sayers have contributed to Docker and have extensive experience building and maintaining commercial Docker-based infrastructures in large-scale environments.

Table of Contents

PART 1: DOCKER FUNDAMENTALS

- DISCOVERING DOCKER
- UNDERSTANDING DOCKER - INSIDE THE ENGINE ROOM

PART 2: DOCKER AND DEVELOPMENT

- USING DOCKER AS A LIGHTWEIGHT VIRTUAL MACHINE
- DAY-TO-DAY DOCKER
- CONFIGURATION MANAGEMENT - GETTING YOUR HOUSE IN ORDER

PART 3: DOCKER AND DEVOPS

- CONTINUOUS INTEGRATION: SPEEDING UP YOUR DEVELOPMENT PIPELINE
- CONTINUOUS DELIVERY: A PERFECT FIT FOR DOCKER PRINCIPLES
- NETWORK SIMULATION: REALISTIC ENVIRONMENT TESTING WITHOUT THE PAIN

PART 4: DOCKER IN PRODUCTION

- CONTAINER ORCHESTRATION: MANAGING MULTIPLE DOCKER CONTAINERS
- DOCKER AND SECURITY
- PLAIN SAILING - DOCKER IN PRODUCTION AND OPERATIONAL CONSIDERATIONS
- DOCKER IN PRODUCTION: DEALING WITH CHALLENGES

Book Information

Paperback: 372 pages

Publisher: Manning Publications; 1 edition (May 14, 2016)

Language: English

ISBN-10: 1617292729

ISBN-13: 978-1617292729

Product Dimensions: 0.8 x 7.2 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars See all reviews (1 customer review)

Best Sellers Rank: #100,826 in Books (See Top 100 in Books) #26 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Tools #27 in Books > Computers & Technology > Web Development & Design > Web Services #43 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Testing

Customer Reviews

There are by now quite a few introductory books on Docker, but they mostly suffer from the same faults: they cover only the simple things. Doing simple things with Docker is very simple, and hardly needs a book-length explanation, but as soon as you try to do something non-trivial with Docker, things get complicated very quickly. "Docker in Practice" is completely unafraid of this, and dives straight into solving real-world problems with containers: transitioning from VMs, breaking down a system into microservices, persisting volumes, advanced image building techniques, continuous integration and Selenium testing, etcd and confd, network simulation, security, monitoring, performance, and debugging. It also addresses what I think is the biggest issue with Docker in production today: configuration management and orchestration. Many people are still treating Docker as a 'lite' alternative to full-fat CM tools: Puppet, Chef, and so on, but they're in for an unpleasant surprise as the disease of 'container sprawl' sets in: fragile manual setups frozen as hard-to-maintain images, rapidly getting out of sync, with no central infrastructure-as-code repository, change control, or versioning. Full marks to the authors for tackling this head on, with detailed worked examples of managing Dockerfiles with traditional Unix tools such as Perl and make, Docker-native tools like Docker Compose, Helios, Swarm, and Kubernetes, and 'pure' CM tools such as Chef Solo. The Docker ecosystem is fluid and developing extremely fast; accordingly, the authors have wisely decided to make their survey of tools broad but shallow, giving just enough information in each recipe to get you up and running with a particular technique, but not so much detail that the book would rapidly become out of date. Finally, they are refreshingly honest about the bugs and shortcomings of Docker and associated tools, and provide practical advice and tips for actually getting stuff to work. For me, this is the one essential Docker book.

[Download to continue reading...](#)

Docker in Practice Starting a Medical Practice: The Physician's Handbook for Successful Practice Start-Up (Practice Success! Series) Ready, Set, Practice: Elements of Landscape Architecture

Professional Practice Practice Makes Perfect Algebra (Practice Makes Perfect (McGraw-Hill))
MCAT Chemistry and Physics: Strategy and Practice: Timed Practice for the Revised MCAT MCAT
Psychology and Sociology: Strategy and Practice (MCAT Strategy and Practice) CPC Practice
Exam 2016: Includes 150 practice questions, answers with full rationale, exam study guide and the
official proctor-to-examinee instructions McGraw-Hill Education 5 TEAS Practice Tests, 2nd Edition
(Mcgraw Hill's 5 Teas Practice Tests) Adult CCRN Strategies, Practice, and Review with 2 Practice
Tests (Kaplan Test Prep) Common Core Practice - 8th Grade English Language Arts: Workbooks to
Prepare for the PARCC or Smarter Balanced Test: CCSS Aligned (CCSS Standards Practice)
(Volume 11) SSAT & ISEE 2017 Strategies, Practice & Review with 6 Practice Tests: For Private
and Independent School Admissions (Kaplan Test Prep) NCLEX-RN 2016 Strategies, Practice and
Review with Practice Test (Kaplan Test Prep) ACT 2016-2017 Strategies, Practice, and Review with
6 Practice Tests: Online + Book (Kaplan Test Prep) SAT 2017 Strategies, Practice & Review with 3
Practice Tests: Online + Book (Kaplan Test Prep) New GED® Test Strategies, Practice, and
Review with 2 Practice Tests: Book + Online " Fully Updated for the 2014 GED
(Kaplan Test Prep) GED Test 2017 Strategies, Practice & Review with 2 Practice Tests: Online +
Book (Kaplan Test Prep) SSAT Upper Level Practice Questions: SSAT Practice Tests & Exam
Review for the Secondary School Admission Test MCAT Verbal Practice: 108 Passages for the
New CARS Section (More MCAT Practice) Miller Analogies Skill Practice!: Practice Test Questions
for the Miller Analogies Test Kaplan GMAT 2016 Strategies, Practice, and Review with 2 Practice
Tests: Book + Online (Kaplan Test Prep)

[Dmca](#)