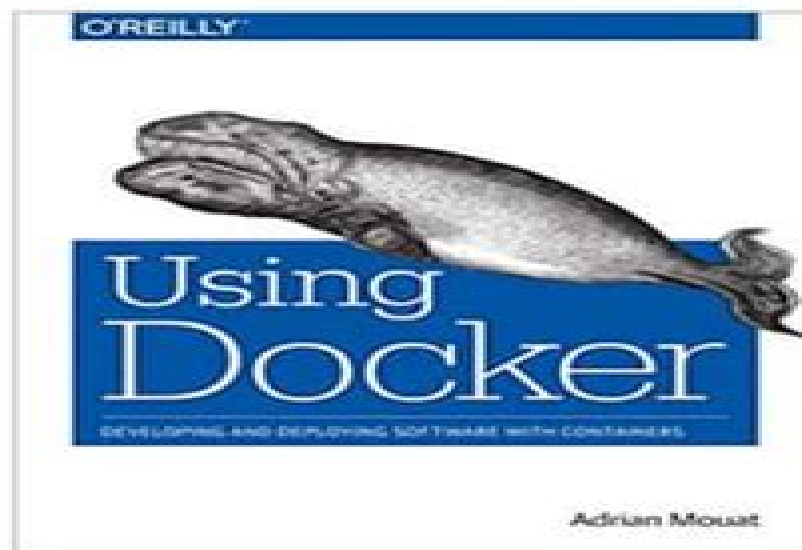


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them for reliable deployments In the concluding chapters you ll learn how to detect and debug critical problems with the help of logs and metrics Finally you ll discover a variety of strategies for working with multiple teams dealing with different microservices for effective collaboration By the end of this book you ll be able to build production grade microservices as well as orchestrate a complex system of services using containers What you will learn Discover how to design test and operate scalable microservices Coordinate and deploy different services using Kubernetes Use Docker to construct scalable and manageable applications with microservices Understand how to monitor a complete system to ensure early detection of problems Become well versed with migrating from an existing monolithic system to a microservice one Use load balancing to ensure seamless operation between the old monolith and the new service Who this book is for This book is for developers engineers or software architects who are trying to move away from traditional approaches for building complex multi service systems by adopting microservices and containers Although familiarity with Python programming is assumed no prior knowledge of Docker is required

Docker for Beginners Michael Brian, 2020-02-26 If you want to Learn Everything about Docker this Book is for you Docker is a software development platform and a virtualization technology that makes it easy for us to develop and deploy apps inside of neatly packaged virtual containerized environments which means that apps run the same no matter where they are or what machine they are running on Docker containers can be deployed to just about any machine without any compatibility issues so your software stays system agnostic making the software simpler to use less work to develop easier to maintain and deploy These containers running on your computer or server act like little microcomputers with very specific jobs each with their operating system and their isolated CPU processes memory and network resources And because of this they can be easily added removed stopped and started again without affecting each other or the host machine This is a preview of what you will learn What containers are What Docker is Why you might need it What it can do for you How to run a Docker container How to build your own Docker image Networking in Docker How to use Docker compose What Docker registry is How to deploy your own private registry Docker for Windows and Mac Introduction to container orchestration tools like Docker swarm and Kubernetes And much more Scroll up and click the BUY NOW button to get started

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overview of VMware Kubernetes and Docker and learn to install Docker on Windows Mac and Linux Once you have understood the Ops and Dev perspective of Docker you will be able to see the big picture and understand what Docker exactly does The book then turns its attention to the more technical aspects guiding you through practical exercises covering Docker engine Docker images and Docker containers You will learn techniques for containerizing an app deploying apps with Docker Compose and managing cloud native applications with Swarm You will also build Docker networks and Docker overlay networks and handle applications that write persistent data Finally you will deploy apps with Docker stacks and secure your Docker environment By the end of this book you will be well versed in Docker and containers and have developed the skills to create deploy and run applications on the cloud What you will learn Become familiar with the applications of Docker and containers Discover how to pull images into Docker host's local registry Find out how to containerize an app with new example apps Cover multi platform builds to test Docker overlay network in the swarm mode Use Docker Compose to deploy and manage multi container applications Share sensitive data with containers and Swarm services securely Who this book is for Whether you are a beginner or an experienced developer looking to utilize Docker to develop and operate cloud native microservices apps this book is for you Anyone who wants to learn Docker orchestration networking imaging and security will also find it useful No prior knowledge of Docker is necessary

Camel in Action Claus Ibsen, Jonathan Anstey, 2018-02-02 Summary Camel in Action Second Edition is the most complete Camel book on the market Written by core developers of Camel and the authors of the highly acclaimed first edition this book distills their experience and practical insights so that you can tackle integration tasks like a pro Forewords by James Strachan and Dr Mark Little Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology Apache Camel is a Java framework that implements enterprise integration patterns EIPs and comes with over 200 adapters to third party systems A concise DSL lets you build integration logic into your app with just a few lines of Java or XML By using Camel you benefit from the testing and experience of a large and vibrant open source community About the Book Camel in Action Second Edition is the definitive guide to the Camel framework It starts with core concepts like sending receiving routing and transforming data It then goes in depth on many topics such as how to develop debug test deal with errors secure scale cluster deploy and monitor your Camel applications The book also discusses how to run Camel with microservices reactive systems containers and in the cloud What's Inside Coverage of all relevant EIPs Camel microservices with Spring Boot Camel on Docker and Kubernetes Error handling testing security clustering monitoring and deployment Hundreds of examples in Java and XML About the Reader Readers should be familiar with Java This book is accessible to beginners and invaluable to experts About the Author Claus Ibsen is a senior principal engineer working for Red Hat specializing in cloud and integration He has worked on Apache Camel for the last nine years where he heads the project Claus lives in Denmark Jonathan Anstey is an engineering manager at Red Hat and a core Camel contributor He lives in

Newfoundland Canada Table of Contents Part 1 First steps Meeting Camel Routing with Camel Part 2 Core Camel Transforming data with Camel Using beans with Camel Enterprise integration patterns Using components Part 3 Developing and testing Microservices Developing Camel projects Testing RESTful web services Part 4 Going further with Camel Error handling Transactions and idempotency Parallel processing Securing Camel Part 5 Running and managing Camel Running and deploying Camel Management and monitoring Part 6 Out in the wild Clustering Microservices with Docker and Kubernetes Camel tooling Bonus online chapters Available at <https://www.manning.com/books/camel-in-action-second-edition> and in electronic versions of this book Reactive Camel Camel and the IoT by Henryk Konsek

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