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by step Hands On) in 2019 Deploy
Docker container to Kubernetes
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Full Course [2020] Live Coding -
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Kubernetes Service AKS using

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Azure DevOps Docker Platform

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Jenkins Master and Slave (on-demand) with Docker Containers

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you need to learn Kubernetes
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using deployments of k8s: Hands
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Course - Learn Docker in 5 Hours
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Deploying a Web Application
Manage Docker Easily With VS

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Create A Flask App In Python and
Docker Tutorial 2 ~~DIAMOL 18:~~
~~Writing and managing application~~
~~logs with Docker~~ Managing
Containers with Ansible Docker
Hands On Deploy Administer

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'Docker Hands on: Deploy, Platform Administer...' certainly provides a good overview of the possible options to maintain a docker ecosystem beyond the scope of a POC or small environment. The book also covers advance tools and technologies integrated/used

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with docker such as consul,
jenkins, chef, vagrant, coreOS etc.

Amazon.com: Docker Hands on:
Deploy, Administer Docker ...

This book will help our readers to
appreciate the docker technology
and focusses on Hands on

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Implementation of Docker Platform

Ecosystem. We will introduce our readers to Containerization and docker technology, book covers the complete docker ecosystem and provides tutorials for installation, configuration, deployment, administration of the

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This Kubernetes Docker Complete Course will help you to understand how to run, deploy and maintain your applications on Kubernetes. If you are into DevOps, then this is a technology you need to learn.

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Kubernetes has gained a lot of popularity lately and it is a well-aimed skill by companies.

Kubernetes + Docker Complete
Course - 2 in 1 Hands On! |
Udemy

There is no doubt that book

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Hands on: Deploy, Administer ...
Docker Client: This performs
Docker build pull and run
operations to establish

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Administration with the Docker Platform
Host. The Docker command uses the Docker API to call the queries to be run. 2. Docker Host: This component contains Docker Daemon, Containers and its images. The images will be the kind of metadata for the

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Docker Interview Questions and
Answers | Schoolingfree

In this classroom you will find a
mix of labs and tutorials that will
help Docker users, including
SysAdmins, IT Pros, and

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Developers. There is a mix of hands-on tutorials right in the browser, instructions on setting up and using Docker in your own environment, and resources about best practices for developing and deploying your own applications.

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Administer Docker Classroom Platform

7.1 What are Docker Volumes 7.2
Deploying a Multi-Tier Application
using Docker Network 7.3 Using
Docker Compose to deploy
containers 7.4 What is Container
Orchestration 7.5 Container
Orchestration Tools 7.6

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Introduction to Docker Swarm 7.7

Deploying a 2-Node Cluster using
Docker Swarm. Hands-on Exercise
– 1. Creating Docker Volumes 2.
Using Docker Compose to deploy
multiple containers

DevOps Training in New York -

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Online DevOps Certification...

Good Hands on with the kubernetes objects. Deploy & Maintain projects on cloud using kubernetes following the devops cicd with a proper well tested failover & ... Skills include deploying on AWS using Docker,

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ECS via CI/CD cloud frameworks
Administer Docker Platform
and DataDog. ... AWS System
Admin new.

Kubernetes Jobs, Employment |
Indeed.com

'Docker Hands on: Deploy,
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A good overview of the possible options to maintain a docker ecosystem beyond the scope of a POC or small environment. The book also covers advance tools and technologies integrated/used with docker such as consul, jenkins, chef, vagrant, coreOS etc.

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Amazon.com: Customer reviews:

Docker Hands on: Deploy ...

You can deploy Splunk Enterprise inside a Docker container by downloading and launching the required Splunk Enterprise image in Docker. The image is an

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executable package that includes everything you need to run Splunk Enterprise. For universal forwarder instructions, see [Deploy and run a universal forwarder inside a Docker container in the Forwarder Manual](#).

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Deploy and run Splunk Enterprise
inside a Docker container ...

The Docker Weekly is a email
newsletter with the latest content
on Docker and the event agenda
for the upcoming weeks. Meet the
Captains Select members of the
community that are both experts in

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their field and are passionate about sharing their Docker knowledge with others.

Docker Documentation | Docker Documentation

With Docker, there are great hands-on systems you can use to get

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started right away, with nothing to download or install. The best place to start is the Play With Docker online classroom (PWD). PWD was started by a couple of our Docker Captains to do exactly what the name implies: get hands-on experience and learn.

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A Day in the Life of a Docker

Admin - Docker Blog

Kubernetes - Kubernetes Docker -

Kubernetes AWS - Kubernetes

Cloud. Be able to understand,

administer, and deploy

Kubernetes. Get started with

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Containerization and run containers
on Kubernetes. Make applications
running on Kubernetes using load
balancing. Duration: 6h 45m

A Complete Guide to Kubernetes
& Docker - Hands On ...
100% Hands-On Kubernetes

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Solutions, Docker Container Platform
Deployment & Administrator, Live
Labs for DevOps on Kubernetes
Rating: 3.9 out of 5 3.9 (158
ratings) 11,142 students

Kubernetes MasterClass :
Kubernetes Hands-On Practical ...

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When running Docker Engine in swarm mode, we can use a docker stack to deploy a complete application stack to the swarm. Dockerfile is a document that contains all the commands a user could call on the command line to assemble an image. The docker

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build command builds an image
from a Dockerfile.

Certified Kubernetes
Administrator Training: Detailed
Guides

On the defensive side, it will be
analyzed the common security

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issues and a secure way of
Administer Docker Platform
building docker images and YAML
deployment files for Swarm and
Kubernetes, the right
implementation of RBAC access
management and vulnerability
scanners on files and CI/CD
pipelines will also be presented

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with many other best practices.

Attack and Defense on Docker,
Swarm and Kubernetes ...

docker -d will already be running
as a service and the docker
command line tool is included in
the PATH, so it ' s ready to use..

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Note: The default firewall for the Docker One-Click is UFW, which is a front end to iptables. However, Docker modifies iptables directly to set up communication to and from containers. This means that UFW won't give you a full picture of the firewall settings.

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"Feeling uncertain about how to use Docker in the real world? This course will put you at ease. Beginning with single-app deployments and managing a

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database all the way to building a dynamic architecture with automated service discovery, the course gives examples and code on how to build and deploy your apps in a Docker environment. To get the most out of the class, learners will need access to the

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toolsets listed in the bullets below, and have a basic understanding of Docker and basic Docker commands." --Resource description page.

Updated for Docker Community
Edition v18.09! Docker book

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designed for SysAdmins, SREs, Operations staff, Developers and DevOps who are interested in deploying the open source container service Docker. In this book, we'll walk you through installing, deploying, managing, and extending Docker. We're going to

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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 lifecycle, from testing to production, and see

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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.

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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

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Docker containers as part of your testing pipeline. * Build multi-container applications and environments. * Learn about orchestration using Compose and Swarm for the orchestration of Docker containers and Consul for

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service discovery. * Explore the
Docker API. * Getting Help and
Extending Docker.

Manage Linux Servers on-
premises and cloud with advanced
DevOps techniques using
Kubernetes **KEY FEATURES**

Where To Download Docker Hands On Deploy

Detailed coverage on architecture of Web Servers, Databases, and Cloud Servers. Practical touch on deploying your application and managing cloud infrastructure using Docker and Terraform. Simplified implementation of Infrastructure as Code with

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Vagrant. Explore the use of different cloud services for better provisioning, scalability, and reliability of enterprise applications. DESCRIPTION Hands-on DevOps with Linux brings you advanced learnings on how to make the best use of Linux

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commands in managing the DevOps infrastructure to keep enterprise applications up-to-date. The book begins by introducing you to the Linux world with the most used commands by DevOps experts and teaches how to set up your own infrastructure in your environment.

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The book covers exclusive coverage on production scenarios using Kubernetes and how the entire container orchestration is managed. Throughout the book, you will get accustomed to the most widely used techniques among DevOps Engineers in their

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routine. You will explore how
infrastructure as code works,
working with Vagrant, Docker and
Terraform through which you can
manage the entire cloud
deployment of applications along
with how to scale them on your
own. **WHAT YOU WILL LEARN**

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Create Infrastructure as Code to replicate the configuration to your infrastructure. Learn best methods and techniques to build continuous delivery pipeline using Jenkins. Learn to Distribute and scale your applications using Kubernetes. Get insights by

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analyzing millions of server logs
using Kibana and Logstash. WHO
THIS BOOK IS FOR This book is
best suited for DevOps Engineers
and DevOps professionals who
want to make best use of Linux
commands in managing the DevOps
infrastructure daily. It is a good

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Administer Docker Platform
handy guide for Linux

administrators and system
administrators too to get familiar
with the use of Linux in Devops
and advance their skillset in
DevOps. TABLE OF CONTENTS
1. Getting started with Linux 2.
Working with Bash 3. Setting up a

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service 4. Configuring a reverse proxy with Nginx 5. Deploying your application using Docker 6. Automating your Infrastructure as Code 7. Creating your infrastructure using cloud services 8. Working with Terraform 9. Working with Git 10. Continuous

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Integration and Continuous Platform
Delivery using Jenkins 11.
Deploying and scaling your
application using Kubernetes 12.
Logs with open source Tools

A practical guide to rapidly and
efficiently mastering Docker

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Administer Docker Platform
containers, along with tips and
tricks learned in the field. About
This Book Use Docker containers,
horizontal node scaling, modern
orchestration tools (Docker
Swarm, Kubernetes, and Mesos)
and Continuous
Integration/Continuous Delivery to

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manage your infrastructure.

Increase service density by turning often-idle machines into hosts for numerous Docker services. Learn what it takes to build a true container infrastructure that is scalable, reliable, and resilient in the face of

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Administer complexities from using container infrastructures. Find out how to identify, debug, and mitigate most real-world, undocumented issues when deploying your own Docker infrastructure. Learn tips and tricks of the trade from existing

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Docker infrastructures running in production environments. Who This Book Is For This book is aimed at system administrators, developers, DevOps engineers, and software engineers who want to get concrete, hands-on experience deploying multi-tier web

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Administer Docker Platform applications and containerized microservices using Docker. This book is also for anyone who has worked on deploying services in some fashion and wants to take their small-scale setups to the next level (or simply to learn more about the process). What You Will

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Learn Set up a working Platform
development environment and
create a simple web service to
demonstrate the basics Learn how
to make your service more usable
by adding a database and an app
server to process logic Add
resilience to your services by

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Administer Docker Platform
Learning how to horizontally scale
with a few containers on a single
node Master layering isolation and
messaging to simplify and harden
the connectivity between
containers Learn about numerous
issues encountered at scale and
their workarounds, from the kernel

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up to code versioning Automate
the most important parts of your
infrastructure with continuous
integration In Detail Deploying
Docker into production is
considered to be one of the major
pain points in developing large-
scale infrastructures, and the

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documentation available online
leaves a lot to be desired. With
this book, you will learn
everything you wanted to know to
effectively scale your deployments
globally and build a resilient,
scalable, and containerized cloud
platform for your own use. The

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book starts by introducing you to the containerization ecosystem with some concrete and easy-to-digest examples; after that, you will delve into examples of launching multiple instances of the same container. From there, you will cover orchestration, multi-

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node setups, volumes, and almost every relevant component of this new approach to deploying services. Using intertwined approaches, the book will cover battle-tested tooling, or issues likely to be encountered in real-world scenarios, in detail. You will

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also learn about the other Platform supporting components required for a true PaaS deployment and discover common options to tie the whole infrastructure together. At the end of the book, you learn to build a small, but functional, PaaS (to appreciate the power of the

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containerized service approach)
and continue to explore real-world
approaches to implementing even
larger global-scale services. Style
and approach This in-depth
learning guide shows you how to
deploy your applications in
production using Docker (from the

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basic steps to advanced concepts) and how to overcome challenges in Docker-based infrastructures. The book also covers practical use-cases in real-world examples, and provides tips and tricks on the various topics.

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Enhance your skills in building
scalable infrastructure for your
cloud-based applications Key
Features Learn to design a
scalable architecture by building
continuous integration (CI)
pipelines with Kubernetes Get an
in-depth understanding of role-

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Administer Docker (RBAC),
continuous deployment (CD), and
observability Monitor a
Kubernetes cluster with
Prometheus and Grafana Book
Description Kubernetes is among
the most popular open-source
platforms for automating the

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Administer, Scaling, and Platform
operations of application
containers across clusters of
hosts, providing a container-
centric infrastructure. Hands-On
Microservices with Kubernetes
starts by providing you with in-
depth insights into the synergy

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Administer Docker Platform
between Kubernetes and
microservices. You will learn how
to use Delinkcious, which will
serve as a live lab throughout the
book to help you understand
microservices and Kubernetes
concepts in the context of a real-
world application. Next, you will

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get up to speed with setting up a CI/CD pipeline and configuring microservices using Kubernetes ConfigMaps. As you cover later chapters, you will gain hands-on experience in securing microservices, and implementing REST, gRPC APIs, and a

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Delinkcious data store. In addition to this, you ' ll explore the Nuclio project, run a serverless task on Kubernetes, and manage and implement data-intensive tests. Toward the concluding chapters, you ' ll deploy microservices on Kubernetes and learn to maintain a

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well-monitored system. Finally, you ' ll discover the importance of service meshes and how to incorporate Istio into the Delinkcious cluster. By the end of this book, you ' ll have gained the skills you need to implement microservices on Kubernetes with

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the help of effective tools and best practices. What you will learn

- Understand the synergy between Kubernetes and microservices
- Create a complete CI/CD pipeline for your microservices on Kubernetes
- Develop microservices on Kubernetes with the Go kit

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Manage and monitor your system using Kubernetes and open-source tools Expose your services through REST and gRPC APIs Implement and deploy serverless functions as a service Externalize authentication, authorization and

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Administrator Docker Platform
traffic shaping using a service
mesh Run a Kubernetes cluster in
the cloud on Google Kubernetes
Engine Who this book is for This
book is for developers, DevOps
engineers, or anyone who wants to
develop large-scale microservice-
based systems on top of

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Kubernetes. If you are looking to use Kubernetes on live production projects or want to migrate existing systems to a modern containerized microservices system, then this book is for you. Coding skills, together with some knowledge of Docker, Kubernetes,

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and cloud concepts will be useful.
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A step-by-step guide to building microservices using Python and Docker, along with managing and orchestrating them with Kubernetes Key Features Learn to use Docker containers to create,

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operate, and deploy your Platform
microservices Create workflows to
manage independent deployments
on coordinating services using CI
and GitOps through GitHub, Travis
CI, and Flux Develop a REST
microservice in Python using the
Flask framework and Postgres

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database Book Description Platform

Microservices architecture helps create complex systems with multiple, interconnected services that can be maintained by independent teams working in parallel. This book guides you on how to develop these complex

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systems with the help of
containers. You'll start by learning
to design an efficient strategy for
migrating a legacy monolithic
system to microservices. You'll
build a RESTful microservice with
Python and learn how to
encapsulate the code for the

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services into a container using Docker. While developing the services, you'll understand how to use tools such as GitHub and Travis CI to ensure continuous delivery (CD) and continuous integration (CI). As the systems become complex and grow in size,

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you'll be introduced to Kubernetes and explore how to orchestrate a system of containers while managing multiple services. Next, you'll configure Kubernetes clusters for production-ready environments and secure them for reliable deployments. In the

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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

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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

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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

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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

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complex multi-service systems by
adopting microservices and
containers. Although familiarity
with Python programming is
assumed, no prior knowledge of
Docker is required.

Start deploying, managing, and

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Administer Docker Platform
scaling containerized applications
into AWS container infrastructure
using Docker on Amazon EC2,
Amazon Elastic Container Service
(ECS), and AWS Elastic
Kubernetes Service (EKS). This
step by step practical book will
cover all the available container

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services on AWS and review the usage of each one based on your required scale and cost. Further, you will see how to set up each environment and finally deploy, manage, and scale containerized applications on each one. In the chapter about Elastic Kubernetes

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Service (EKS), you will learn the process of building and managing Kubernetes clusters on AWS and see how to provision hosts in a matter of minutes, while deploying containers in seconds and making them available globally. Deploy Containers on AWS shows you

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how to get started with AWS
container offerings and manage
production or test environments of
containerized applications using a
hands-on approach with step-by-
step instructions. What You Will
Learn Deploy and manage
containers with Docker on Amazon

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EC2 Store and retrieve container images using the Amazon EC2 container registry Orchestrate containers with Amazon Elastic Container Service (ECS) Run Kubernetes-managed infrastructure on AWS (EKS) Monitor, manage, back up, and

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restore containers on AWS Who
This Book Is For Developers, cloud
and systems administrators, and
architects

Get hands-on recipes to automate
and manage Linux containers with
the Docker 1.6 environment and

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Administer Docker Platform
jump-start your Puppet development About This Book
Successfully deploy DevOps with
proven solutions and recipes
Automate your infrastructure with
Puppet and combine powerful
DevOps methods Deploy and
manage highly scalable

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Administer Docker Platform
streamline the way you manage
your applications Who This Book
Is For This Learning Path is for
developers, system administrators,
and DevOps engineers who want to
use Puppet, Docker, and
Kubernetes in their development,

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QA, or production environments.

This Learning Path assumes experience with Linux administration and requires some experience with command-line usage and basic text file editing.

What You Will Learn Discover how to build high availability

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Kubernetes clusters Deal with
inherent issues with container
virtualization and container
concepts Create services with
Docker to enable the swift
development and deployment of
applications Make optimum use of
Docker in a testing environment

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Create efficient manifests to streamline your deployments
Automate Puppet master deployment using Git hooks, r10k, and PuppetDB In Detail With so many IT management and DevOps tools on the market, both open source and commercial, it's

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difficult to know where to start. DevOps is incredibly powerful when implemented correctly, and here's how to get it done. This Learning Path covers three broad areas: Puppet, Docker, and Kubernetes. This Learning Path is a large resource of recipes to ease

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your daily DevOps tasks. We begin with recipes that help you develop a complete and expert understanding of Puppet's latest and most advanced features. Then we provide recipes that help you efficiently work with the Docker environment. Finally, we show you

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how to better manage containers in different scenarios in production using Kubernetes. This course is based on these books: Puppet Cookbook, Third Edition Docker Cookbook Kubernetes Cookbook Style and approach This easy-to-follow tutorial-style guide teaches

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Administer Docker Platform
you precisely how to configure
complex systems in Puppet and
manage your containers using
Kubernetes.

Go from zero to sixty deploying
and running a Kubernetes cluster
on Microsoft Azure! This hands-on

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practical guide to Microsoft's
Azure Kubernetes Service (AKS),
a managed container orchestration
platform, arms you with the tools
and knowledge you need to easily
deploy and operate on this
complex platform. Take a journey
inside Docker containers,

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Administer Docker, Kubernetes
container registries, Kubernetes
architecture, Kubernetes
components, and core Kubectl
commands. Drawing on hard-
earned experience in the field, the
authors provide just enough theory
to help you grasp important
concepts, teaching the practical

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straightforward knowledge you need to start running your own AKS cluster. You will dive into topics related to the deployment and operation of AKS, including Rancher for management, security, networking, storage, monitoring, backup, scaling, identity, package

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management with HELM, and AKS
in CI/CD. What You Will Learn
Develop core knowledge of Docker
containers, registries, and
Kubernetes Gain AKS skills for
Microsoft ' s fastest growing
services in the cloud Understand
the pros and cons of deploying and

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Administer AKS Deploy and manage applications on the AKS platform Use AKS within a DevOps CI/CD process Who This Book Is For IT professionals who work with DevOps, the cloud, Docker, networking, storage, Linux, or Windows. Experience with cloud,

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DevOps, Docker, or application development is helpful.

Start using Kubernetes in complex big data and enterprise applications, including Docker containers. Starting with installing Kubernetes on a single node, the

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book introduces Kubernetes with a simple Hello example and discusses using environment variables in Kubernetes. Next, Kubernetes Microservices with Docker discusses using Kubernetes with all major groups of technologies such as relational

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databases, NoSQL databases, and in the Apache Hadoop ecosystem. The book concludes with using multi container pods and installing Kubernetes on a multi node cluster. /div "a concise but clear introduction to containers, Docker and Kubernetes, using simple real-

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world examples to pass on the
core concepts, via repetition, and
is a very useful enabler." 10/10
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