1. Record Nr. UNINA9910162785903321

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Titolo Docker orchestration: a concise, fast-paced guide to orchestrating and

deploying scalable services with Docker / / Randall Smith

Pubbl/distr/stampa Birmingham:,: Packt,, 2017

ISBN 1-78712-920-9

Edizione [1st edition]

Descrizione fisica 1 online resource (277 pages) : color illustrations

Soggetti Open source software

Application software - Development - Automation

Virtual computer systems

Computer software - Development

Linux device drivers (Computer programs)

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Includes index.

Sommario/riassunto

A concise, fast-paced guide to orchestrating and deploying scalable services with Docker About This Book Explore the new features added to the core Docker Engine to make multi-container orchestration easy Leverage tools such as Docker Machine, Swarm, Compose, and thirdparty tools such as Kubernetes, Mesosphere, and CoreOS to orchestrate containers Use Docker Compose with Swarm and apply rolling updates for zero downtime deployments Who This Book Is For This book is aimed at Sysadmins and DevOps engineers who know what Docker does and are now looking to manage multiple containers on multiple hosts using the orchestration feature. What You Will Learn Build scalable, reliable services with Docker See how to manage a service in Docker using Docker Swarm, Kubernetes, and Mesosphere Discover simpler orchestration tools such as CoreOS/Fleet and Rancher Cattle Understand cluster-wide logging, system monitoring, and troubleshooting Build, test, and deploy containers using Continuous Integration Deploy cluster hosts on cloud services and automate your infrastructure In Detail Docker orchestration is what you need when transitioning from deploying containers individually on a single host to

deploying complex multi-container apps on many machines. This book covers the new orchestration features of Docker 1.12 and helps you efficiently build, test, and deploy your application using Docker. You will be shown how to build multi-container applications using Docker Compose. You will also be introduced to the building blocks for multihost Docker clusters such as registry, overlay networks, and shared storage using practical examples. This book gives an overview of core tools such as Docker Machine, Swarm, and Compose which will enhance your orchestration skills. You'll learn how to set up a swarm using the decentralized building block. Next, you'll be shown how to make the most out of the in-built orchestration feature of Docker engine and you'll use third-party tools such as Kubernetes. Mesosphere, and CoreOS to orchestrate your existing process. Finally, you will learn to deploy cluster hosts on cloud services and automate your infrastructure. Style and approach This comprehensive guide will take you through the orchestration feature of Docker. Using practical examples, you will discover various tools that can be used to manage multiple containers with ease.

2. Record Nr. UNICAMPANIAVAN00300068

Autore Richardson, Henry Handel <1870-1946>

Titolo II collegio delle piccole donne / Henry Handel Richardson ; introduzione

di Germaine Greer ; traduzione di Sara Caraffini

Pubbl/distr/stampa Milano, : Garzanti, 2025

Titolo uniforme The Getting of Wisdom

ISBN 978-88-11-01611-3

Descrizione fisica 253 p.; 22 cm

Lingua di pubblicazione Italiano

Formato Materiale a stampa

Livello bibliografico Monografia