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Titolo	Docker orchestration : a concise, fast-paced guide to orchestrating and deploying scalable services with Docker // Randall Smith
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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 third-party 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 multi-host 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.	UNINA9910144031903321
Titolo	Advances in Spatial and Temporal Databases : 8th International Symposium, SSTD 2003, Santorini Island, Greece, July 24 - 27, 2003. Proceedings // edited by Thanasis Hadzilacos, Yannis Manolopoulos, John F. Roddick, Yannis Theodoridis
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003
ISBN	9783540450726 3540450726
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (XIII, 528 p.)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 2750
Disciplina	005.74
Soggetti	Computer industry Computer science Database management Information storage and retrieval systems Application software Artificial intelligence The Computer Industry Computer Science Database Management Information Storage and Retrieval

Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Keynote Address -- Data Modeling for Mobile Services in the Real World -- Access Methods -- Performance Evaluation of Main-Memory R-tree Variants -- The BTR-Tree: Path-Defined Version-Range Splitting in a Branched and Temporal Structure -- Bkd-Tree: A Dynamic Scalable kd-Tree -- Advandced Query Processing -- Efficient Object-Relational Interval Management and Beyond -- Efficient k-NN Search on Streaming Data Series -- On Query Processing and Optimality Using Spectral Locality-Preserving Mappings -- Categorical Range Queries in Large Databases -- Probabilistic Spatial Database Operations -- Validity Information Retrieval for Spatio-Temporal Queries: Theoretical Performance Bounds -- Data Minning and Warehousing -- Exploiting the Multi-Append-Only-Trend Property of Historical Data in Data Warehouses -- Cross-Outlier Detection -- Accessing Scientific Data: Simpler is Better -- Distance-Based Queries -- Optimization of Spatial Joins on Mobile Devices -- On Spatial-Range Closest-Pair Query -- Evaluation of Iceberg Distance Joins -- Mobility and Moving Points Management -- Indexing Objects Moving on Fixed Networks -- On-Line Discovery of Dense Areas in Spatio-temporal Databases -- Accuracy and Resource Consumption in Tracking and Location Prediction -- Modeling and Languages -- Region-Based Query Languages for Spatial Databases in the Topological Data Model -- Query Pre-processing of Topological Constraints: Comparing a Composition-Based with Neighborhood-Based Approach -- Logical Data Expiration for Fixpoint Extensions of Temporal Logics -- A Multi-representation Spatial Data Model -- Similarity Processing -- Learning Similarity with Fuzzy Functions of Adaptable Complexity -- Spatial Similarity Queries with Logical Operators -- Exploiting Spatial Autocorrelation to Efficiently Process Correlation-Based Similarity Queries -- Systems and Implementation Issues -- Automatically Annotating and Integrating Spatial Datasets -- Location- and Time-Based Information Delivery in Tourism -- Building a Robust Relational Implementation of Topology.
Sommario/riassunto	This book constitutes the refereed proceedings of the 8th International Symposium on Spatial and Temporal Databases, SSTD 2003, held at Santorini Island, Greece in July 2003. The 28 revised full papers presented together with a keynote paper were carefully reviewed and selected from 105 submissions. the papers are organized in topical sections on access methods, advanced query processing, data mining and data warehousing, distance-based queries, mobility and moving points management, modeling and languages, similarity processing, systems and implementation issues.