1.	Record Nr.	UNINA9910568245303321
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	Titolo	A Complete Guide to Docker for Operations and Development : Test-Prep for the Docker Certified Associate (DCA) Exam / / by Engy Fouda
	Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2022
	ISBN	9781484281178
		1484281179
	Edizione	[1st ed. 2022.]
	Descrizione fisica	1 online resource (199 pages) : illustrations
	Disciplina	005.3
	Soggetti	Application software - Development
		Application software - Development - Computer programs
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di bibliografia	Includes index.
	Nota di contenuto	Part 1: Docker Fundamentals -- Chapter 1: An introduction to SD-WAN -- Chapter 2: Installation and Configuration -- Chapter 3: Image and Containers Creation, Management, and Registry -- Chapter 4: Storage and Volumes -- Chapter 5: Deploying vBond -- Chapter 6: Docker Enterprise Edition/Mirantis Kubernetes Edition installation. Chapter 7: Universal Control Plane (UCP) -- Chapter 8: Docker Trusted Registry (DTR) -- Chapter 9: Microservices -- Chapter 10: Orchestration -- Chapter 11: Security, RBAC, and DCT -- Chapter 12: DCA exam guide -- Part 2: Exam Prep Quizzes -- Chapter 13: Orchestration Quiz -- Chapter 14: Image Creation, Management, and Registry Quiz -- Chapter 15:Installation and Configuration Quiz -- Capter 16: Networking Quiz -- Chapter 17: Security Quiz -- Chapter 18: Storage and Volumes Quiz. .
	Sommario/riassunto	Harness the power of Docker by containerizing your code with all its libraries and file systems to consistently run anywhere. This book is your source for learning all about Docker operations and development. It's divided into two units and focuses on the topics that the Docker Certified Associate exam covers. Unit 1 covers the Docker fundamentals, such as Docker Enterprise for Operations, Docker Enterprise for Developers, Swarm, and an introduction to Kubernetes. You will learn how to install Docker Community Edition, Docker

Enterprise Edition with Kubernetes and CLI. Also, you will learn the Docker cycle, container lifecycle, develop applications in any language, wrap, build, ship, and deploy them for production. Finally, you will learn how to create a Swarm cluster, deploy an app to it, and manage it with the best practices according to the current technologies. Unit 2 provides quizzes to help you prepare for the certification test. The DCA exam format and the question style has changed since Mirantis acquired Docker. To accommodate this, the quizzes mirror these changes. You will: Understand the difference between containerization and virtualization Install Docker CE on various platforms and manage the resources Write Dockerfile, Docker Compose YAML, and Kubernetes manifest YAML files Compare microservices and monolithic applications Containerize monolithic applications.