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| Nota di contenuto       | Book Title -- Inner title -- Copyright -- Dedicated -- About the Authors -- About the Reviewer -- Acknowledgements -- Preface -- Code Bundle and Coloured Images -- Piracy -- Table of Contents -- Chapter 1: Docker and Kubernetes 101 -- Introduction -- Structure -- Objectives -- Introduction to Docker -- Introduction to Kubernetes -- Kubernetes architecture -- Principles of immutability, declarative and self-healing -- Installing Kubernetes -- Installing Kubernetes locally using Minikube -- Installing Kubernetes in Docker -- Kubernetes client -- Checking the version -- Checking the status of Kubernetes Master Daemons -- Listing all worker nodes and describing the worker node -- Strategies to validate cluster quality -- Cost-efficiency as measure of quality -- Conclusion -- Points to remember -- Multiple choice questions -- Answers -- Chapter 2: PODs -- Introduction -- Structure -- Objectives -- Concept of Pods -- CRUD operations on Pods -- Creating and running Pods -- Listing Pods -- Deleting Pods -- Accessing PODs -- Accessing via port forwarding -- Running commands inside PODs using exec -- Accessing logs -- Managing resources -- Resource requests: Minimum and maximum limits to PODs -- Data persistence -- Internal: Using data volumes with PODs -- External: Data on remote disks -- Health checks -- Startup probe -- Liveness probe -- Readiness probe -- POD security -- Pod Security Standards -- Pod Security Admissions -- Conclusion -- Points to |

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