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Titolo	Getting Started with Istio Service Mesh : Manage Microservices in Kubernetes // by Rahul Sharma, Avinash Singh
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Soggetti	Open source software Computer programming Application software Management information systems Open Source Computer Applications Enterprise Architecture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1: Quick tour of Kubernetes -- Chapter 2: Introduction to Service Mesh -- Chapter 3: Installing Istio -- Chapter 4: Istio Gateway -- Chapter 5: Service Deployment -- Chapter 6: Service Resiliency -- Chapter 7: Istio Pilot and Application Metrics -- Chapter 8: Monitoring, Logs and Request Tracing -- Chapter 9: Quota and Policies -- Chapter 10: Service Debugging.
Sommario/riassunto	Build an in-depth understanding of the Istio service mesh and see why a service mesh is required for a distributed application. This book covers the Istio architecture and its features using a hands-on approach with language-neutral examples. To get your Istio environment up and running, you will go through its setup and learn the concepts of control plane and data plane. You will become skilled with the new concepts and apply them with best practices to continuously deliver applications. You will: Discover the Istio architecture components and the Envoy proxy Master traffic management for service routing and application deployment Build

application resiliency using timeout, circuit breakers, and connection pools Monitor using Prometheus and Grafana Configure application security .
