

1. Record Nr.	UNINA9910992790403321
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Titolo	Kubernetes Recipes : A Practical Guide for Container Orchestration and Deployment / / by Grzegorz Stencel, Luca Berton
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2025
ISBN	979-88-6881-325-2
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XXXVII, 749 p. 142 illus.)
Disciplina	005.3
Soggetti	Application software - Development Modular programming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1: Introduction to Kubernetes -- 2: Configuring Stateless Applications -- 3: Configuring Stateful Applications -- 4: Kubernetes on Cloud Providers -- 5: Developer Experience in Kubernetes -- 6: Scaling and Resiliency -- 7: Storage in Kubernetes -- 8: Networking in Kubernetes -- 9: Performance Observability in Kubernetes -- 10:Control Plane Administration and Package Management -- 11: Security in Kubernetes -- 12: Emerging and Advanced Kubernetes Concepts -- 13: Best Practices in Kubernetes -- 14: Additional Kubernetes Resources.
Sommario/riassunto	Kubernetes Recipes is your essential guide to using Kubernetes for container orchestration providing a hands-on, problem-solving approach to address the intricacies of deployment, scaling, and day-to-day operations. The book's format, organized for easy lookup, ensures that you can swiftly find detailed solutions to your challenges in your Kubernetes journey. Beginning with the fundamentals, the book covers Kubernetes installation, working with the Kubernetes API, and understanding application primitives for efficient deployment. It teaches monitoring and troubleshooting strategies, providing practical insights into handling issues that may arise in your clusters. Whether new to Kubernetes or seeking advanced insights, the book covers a broad spectrum of topics, including managing specialized workloads, handling volumes and configuration data, implementing scaling strategies, and ensuring security. Kubernetes Recipes is not merely a theoretical guide; it equips you with practical skills for everyday tasks,

such as using the Kubernetes client effectively, creating and modifying fundamental workloads, managing services, and exploring the Kubernetes API. It doesn't stop at the basics but extends to advanced areas like developing Kubernetes, monitoring and logging practices, and exploring the ecosystem with tools like Helm. With this comprehensive guide, you not only build a strong foundation in Kubernetes but also gain insights into the intricacies of its ecosystem. Whether you are looking to troubleshoot common issues, implement security measures, or develop applications for Kubernetes, this book is your go-to resource. It provides practical, actionable solutions for every step of learning this industry-leading containerization platform.

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