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Descrizione fisica	1 online resource (XV, 402 p. 167 illus.)
Disciplina	005.133
Soggetti	Java (Computer program language)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Introductions -- 1 - Cloud and Big Data -- 2 - Spring Boot -- 3 - Spring Integration -- 4 - Spring Batch -- 5 - Spring Cloud -- 6 - Spring Cloud Stream -- 7 - Spring Cloud Stream Binders -- 8 -- Spring Cloud Data Flow Introduction & Installation -- Part II. Spring Cloud Data Flow: Internals -- 9 - Spring Cloud Data Flow Internals -- 10 - Custom Streams Apps with Spring Cloud Data Flow -- 11 - Task and Batch Apps with Spring Cloud Data Flow -- 12 - Monitoring.
Sommario/riassunto	Work with big data applications by using Spring Cloud Data Flow as a unified, distributed, and extensible system for data ingestion and integration, real-time analytics and data processing pipelines, batch processing, and data export. With this book you will develop a foundation for creating applications that use real-time data streaming by combining different technologies and use the full power of Spring Cloud Data Flow. The first part of Spring Cloud Data Flow introduces the concepts you will need in the rest of the book. It begins with an overview of the cloud, microservices, and big data, before moving on to the Spring projects essential to modern big data applications in Java: Spring Integration, Spring Batch, Spring Cloud Stream, and Spring Cloud Task. The second part of the book covers the internals of Spring Cloud Data Flow, giving you the insights and knowledge required to build the applications you need. You'll learn how to use Spring Data Flow's DSL and how to integrate with third-party cloud platform solutions, such as Kubernetes. Finally, the book covers Spring Cloud

Data Flow applications to impart practical, useful skills for real-world applications of the technologies covered throughout the rest of the book. You will: See the Spring Cloud Data Flow internals Create your own Binder using NATs as Broker Mater Spring Cloud Data Flow architecture, data processing, and DSL Integrate Spring Cloud Data Flow with Kubernetes Use Spring Cloud Data Flow local server, Docker Compose, and Kubernetes Discover the Spring Cloud Data Flow applications and how to use them Work with source, processor, sink, tasks, Spring Flo and its GUI, and analytics via the new Micrometer stack for realtime visibility with Prometheus and Grafana.
