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Titolo	Practical CockroachDB : Building Fault-Tolerant Distributed SQL Databases // by Rob Reid
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2022
ISBN	9781484282243 1484282248
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (264 pages)
Disciplina	005.365
Soggetti	Database management Open source software Database Management Open Source
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. The Reason for CockroachDB -- 2. Installing CockroachDB -- 3. Concepts -- 4. Managing CockroachDB from the Command Line -- 5. Interacting with CockroachDB Instances -- 6. Data Privacy -- 7. Deployment Topologies -- 8. Testing -- 9. Production.
Sommario/riassunto	Get a practical introduction to CockroachDB. This book starts with installation and foundational concepts and takes you through to creating clusters that are ready for production environments. You will learn how to create, optimize, and operate CockroachDB clusters in single and multi-region environments. You will encounter anti-patterns to avoid, as well as testing techniques for integration and load testing. The book explains why CockroachDB exists, goes over its major benefits, and quickly transitions into installing and configuring CockroachDB. Just as quickly, you'll be creating databases, getting data into those databases, and querying that data from your applications. You'll progress to data privacy laws such as GDPR and CCPA, and learn how CockroachDB's global distribution features can help you comply with ever-shifting data sovereignty regulations. From there, you'll move into deployment topologies, guidance on integration testing and load testing, best practices, and a readiness checklist for production

deployments. What You Will Learn Deploy and interact with CockroachDB Design and optimize databases and tables Choose the correct data types for modeling your data Protect data with database and table encryption Achieve compliance with international data privacy regulations Scale your databases in a way that enhances their performance Monitor changes to the data and health of your databases.
