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	Collana	Emerging Directions in Database Systems and Applications
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	Soggetti	Linked data Database management Data structures (Computer science) Semantic Web Heterogeneous computing
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	Note generali	An A.K. Peters book. A Chapman and Hall book.
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	Nota di contenuto	Cover; Contents; List of Figures; List of Tables; Preface; About the Editors; List of Contributors; Part I: Introduction; Chapter 1: Linked Data & the Semantic Web Standards; Chapter 2: Aligning Ontologies of Linked Data; Chapter 3: Architecture of Linked Data Applications; Part II: Centralized Query Processing; Chapter 4: Mapping Relational Databases to Linked Data; Chapter 5: Efficient Query Processing in RDF Databases; Chapter 6: Evaluating SPARQL Queries over Linked Data Streams; Part III: Parallel Query Processing; Chapter 7: SPARQL Query Processing in the Cloud Chapter 8: The Bigdata® RDF Graph DatabaseChapter 9: Experiences with Virtuoso Cluster RDF Column Store; Part IV: Distributed Query Processing; Chapter 10: Linked Data Query Processing Based on Link Traversal; Chapter 11: Semantic Navigation on the Web of Data; Chapter 12: Index-Based Source Selection and Optimization; Chapter 13: P2P-Based Query Processing over Linked Data; Chapter 14:

Federated Query Processing over Linked Data; Part V: Reasoning over RDF Data; Chapter 15: On the Use of Abstract Models for RDF/S Provenance; Chapter 16: Incremental Reasoning on RDF Streams Part VI: Linked Data InterfacesChapter 17: Linked Data Services; Chapter 18: Using read-write Linked Data for Application Integration; Bibliography; Back Cover

Sommario/riassunto	With the growing popularity of the Semantic Web, more and more semantic data and data sources become available and accessible for everyone. By establishing semantic links between the data, answers to (complex) queries can be evaluated based on the data on multiple providers instead of just one. This book motivates, introduces, and details techniques for processing heterogeneous structured data on the Web by providing a comprehensive overview for database researchers and practitioners about this new publishing paradigm on the web, and show how the abundance of data published as Linked Data can serve as a fertile ground for database research and experimentation--