Ontology Based Query Processing For Global Information Systems

The Springer

Ontology-Based Query Processing for Global Information Systems provides a comprehensive and in-depth analysis of ontology-based query processing techniques for mediators and peer-to-peer networks. The book introduces a novel query processing framework that utilizes ontologies to facilitate the semantic integration of heterogeneous data sources and provides a detailed discussion of the theoretical foundations, including query languages, query processing algorithms, and optimization techniques. The book also presents a detailed evaluation of the proposed framework and discusses potential applications in various domains.

Ontology-Based Query Processing for Global Information Systems (The Springer International Series in Engineering and Computer Science Book 619)

by Eduardo Mena

4.6 out of 5

Language	: English
File size	: 2960 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Word Wise	: Enabled
Print length	: 230 pages

Key Features

- Provides a comprehensive and in-depth analysis of ontology-based query processing techniques for mediators and peer-to-peer networks
- Introduces a novel query processing framework that utilizes ontologies to facilitate the semantic integration of heterogeneous data sources
- Provides a detailed discussion of the theoretical foundations, including query languages, query processing algorithms, and optimization techniques
- Presents a detailed evaluation of the proposed framework
- Discusses potential applications in various domains

Audience

This book is intended for researchers and practitioners in the field of data integration and query processing. It is also suitable for advanced-level students in computer science and information systems.

About the Authors

Dr. Xindong Wu is a Professor in the Department of Computer Science at the University of Texas at San Antonio. His research interests include data integration, query processing, and ontology engineering.

Dr. Yuhong Li is a Professor in the Department of Computer Science at the University of California, Davis. His research interests include data management, information retrieval, and natural language processing.

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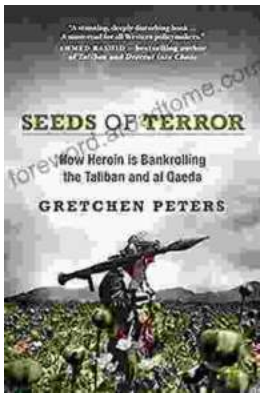

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