



Integrating Disparate Databases for Composite-Answers (Classic Reprint)

By Stuart E Madnick

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Integrating Disparate Databases for Composite-Answers Many important information systems require multiple independent databases to work together within and/or across organizational boundaries in order to increase productivity. We refer to this type of systems as Composite Information Systems (CIS). A key area of research in CIS is logical connectivity which deals with the process of accessing disparate databases in concert for composite-answers. The major problems that need to be overcome to attain logical connectivity include contradiction, inconsistency, and ambiguity. This paper presents an approach to resolve these problems through enhancing the semantic power of the database integration. This approach exploits concepts drawn from frame-based knowledge representation and rule-based inferencing. An object-oriented prototype is also presented to illustrate the process involved in formulating composite-answers where different levels of abstraction are required. Key Words And Phrases: Distributed Database Systems, Object-Oriented Programming, Organizational Information Systems, Strategic Computing. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology...



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