DESCRIPTION

This book addresses issues related to managing data across a distributed database system. It is unique because it covers traditional database theory and current research, explaining the difficulties in providing a unified user interface and global data dictionary. The book gives implementers guidance on hiding discrepancies across systems and creating the illusion of a single repository for users. It also includes three sample frameworks—implemented using J2SE with JMS, J2EE, and Microsoft .Net—that readers can use to learn how to implement a distributed database management system. IT and development groups and computer sciences/software engineering graduates will find this guide invaluable.

ABOUT THE AUTHOR

Saeed K. Rahimi, PhD, is an associate professor with the Graduate Program in Software at the University of St. Thomas. He is also a cofounder of DWSof Corporation and InfoSpan, two companies specializing in metadata management for data warehousing. He had been a database design and implementation consultant, providing services to the industry and the federal government for over thirty years. He has spoken in many national and international conferences and has published many scientific articles. Dr. Rahimi holds a BS in electrical engineering and a PhD, both in computer science, from the University of Minnesota.

Frank S. Haug is an adjunct professor with the Graduate Programs in Software at the University of St. Thomas, where he has taught graduate courses in software development, distributed database management systems, and data warehousing. He has over twenty-five years of experience in academia and industry, working in areas including software development, database
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FEATURES

• includes the state-of-the-practice, bringing together technologies that are both available and popular to build a DDBMS system

• includes architectural and platform issues likely to be found in real-world environments

• covers implementation issues and guides the readers on how to build a DDBMS system

• provides three frameworks—written in Java 2 Standard Edition (J2SE) with JMS, Java 2 Enterprise Edition (J2EE), and .NET—as well as sample code that readers can use as a starter kit for building their own systems

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