Data Model Patterns

“Learning the basics of a modeling technique is not the same as learning how to use and apply it. To develop a data model of an organization is to gain insights into its nature that do not come easily. Indeed, analysts are often expected to understand subtleties of an organization's structure that may have evaded people who have worked there for years.

Here's help for those analysts who have learned the basics of data modeling (or "entity/relationship modeling") but who need to obtain the insights required to prepare a good model of a real business.

Structures common to many types of business are analyzed in areas such as accounting, material requirements planning, process manufacturing, contracts, laboratories, and documents.

features 150+ figures

“Occasionally a book comes along that can be considered a classic; that isn't tied to any particular product or version. David Hay's book, Data Model Patterns: Conventions of Thought, is such a book. . . . It should be mandatory reading before starting any major data modeling or application development task. No other author has gone beyond the theoretical methodology of creating a data model to actually present and analyze real-world models that we can use every day. This book is well written and well illustrated with numerous examples of the models discussed. This is a 'must buy' for your professional library.”

—Warren Capps, Oracle Developer

About the Author

David C. Hay is a principal of Essential Strategies, a consulting firm based in Houston. A member of the GUIDE Project on Business Rules and the Independent Oracle Consultants Alliance, he has spent more than forty years developing interactive, database-oriented systems, modeling the structure of such diverse companies as Parke-Davis, the Associated Press, Texaco, and the U.S. Forest Service.

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