

# Developing High Quality Data Models

By: **Matthew West**

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## About the book:

A multitude of problems is likely to arise when developing data models. With dozens of attributes and millions of rows, data modelers are always in danger of inconsistency and inaccuracy. The development of the data model itself could result in difficulties presenting accurate data. The need to improve data models begins with getting it right in the first place.

Using real-world examples, *Developing High Quality Data Models* walks the reader through identifying a number of data modeling principles and analysis techniques that enable the development of data models that both meet business requirements and have a consistent basis. The reader is presented with a variety of generic data model patterns that both exemplify the principles and techniques discussed and build upon one another to give a powerful and integrated generic data model. This model has wide applicability across many disciplines in government and industry, including but not limited to energy exploration, healthcare, telecommunications, transportation, military defense, transportation, and more.

## Key Features:

- Uses a number of common data model patterns to explain how to develop data models over a wide scope in a way that is consistent and of high quality
- Offers generic data model templates that are reusable in many applications and are fundamental for developing more specific templates
- Develops ideas for creating consistent approaches to high quality data models

*This book deals with an emerging topic of interest to a large sector of the data modeling community. There is a strong need to explain the development of a generic approach to practitioners in the data modeling community — and this book addresses that need.*

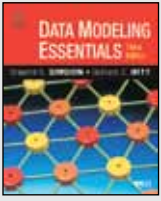
—**Chris Partridge**, Chief Ontologist, BORO Solutions (UK) (Business Object Reference Ontology)

*I expect that application developers will find this book of interest, particularly if they want to grow professionally.*

—**Fred Cummins**, Fellow, Hewlett-Packard Enterprise Services

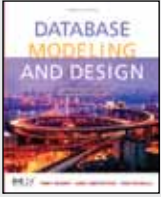
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## About the Author:

**Matthew West** spent over 20 years as a leading data modeler for Shell where he was a key technical contributor to data modeling and data management standards and their application. Matthew was responsible for Shell's Downstream Data Model. He currently serves as the Director of Information Junction, a data architecture and analysis consultancy in the UK. He is also a key contributor to ISO 15926 (Lifecycle integration of process data) and ISO 8000 (Data and Information Quality). Matthew is a Visiting Professor at The University of Leeds.

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