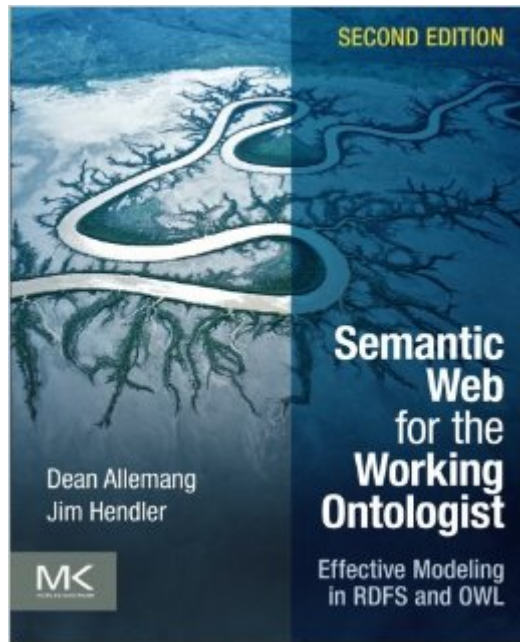# Semantic Web For The Working Ontologist, Second Edition: Effective Modeling In RDFS And OWL

Synopsis

Semantic Web for the Working Ontologist: Effective Modeling in RDFS and OWL, Second Edition, discusses the capabilities of Semantic Web modeling languages, such as RDFS (Resource Description Framework Schema) and OWL (Web Ontology Language). Organized into 16 chapters, the book provides examples to illustrate the use of Semantic Web technologies in solving common modeling problems. It uses the life and works of William Shakespeare to demonstrate some of the most basic capabilities of the Semantic Web. The book first provides an overview of the Semantic Web and aspects of the Web. It then discusses semantic modeling and how it can support the development from chaotic information gathering to one characterized by information sharing, cooperation, and collaboration. It also explains the use of RDF to implement the Semantic Web by allowing information to be distributed over the Web, along with the use of SPARQL to access RDF data. Moreover, the reader is introduced to components that make up a Semantic Web deployment and how they fit together, the concept of inferencing in the Semantic Web, and how RDFS differs from other schema languages. Finally, the book considers the use of SKOS (Simple Knowledge Organization System) to manage vocabularies by taking advantage of the inferencing structure of RDFS-Plus. This book is intended for the working ontologist who is trying to create a domain model on the Semantic Web.Updated with the latest developments and advances in Semantic Web technologies for organizing, querying, and processing information, including SPARQL, RDF and RDFS, OWL 2.0, and SKOS Detailed information on the ontologies used in today's key web applications, including ecommerce, social networking, data mining, using government data, and more Even more illustrative examples and case studies that demonstrate what semantic technologies are and how they work together to solve real-world problems

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Customer Reviews

This is one of the best books I read on Semantic Web and its alternative title should be "The Most Gentle Introduction to the Semantic Web". Gentle indeed, but not in the sense of "semantic web for dummies".One of the authors, Prof. James Hendler, is the co-author of *THE* article that introduced the concept of Semantic Web to the world (Scientific American Magazine, May 2001). Being an expert in a field and writing a top notch technical introduction that strikes a very good balance between utility and clarity do not necessarily go hand in hand, but in this particular case readers like me should consider themselves very lucky because this book is the perfect blend. Not only does it introduce and explain almost all of the concepts in a very clear and lively manner, but it is full of real-world examples. Being far from a dry technical introduction, the book shows "why"s of Semantic Web with "how"s of it.At its current page count, it is only expected that the book avoids some implementation- and programming-related topics, but books such as A Developer's Guide to the Semantic Web can easily fill this gap. On the other hand, despite the abundance of books that jump into nitty gritty details of semantic web programming, the books that describe semantic modeling practices and kindly show the pitfalls of ontology design belong to a very rare species, and this fact alone is one of the reasons why I give five stars in this review.

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