

Ontologies: A Silver Bullet for Knowledge Management and Electronic Commerce #2013 #9783662090831 #Dieter Fensel #162 pages #Springer Science & Business Media, 2013

Ontologies have been developed and investigated for quite a while now in artificial intelligence and natural language processing to facilitate knowledge sharing and reuse. More recently, the notion of ontologies has attracted attention from fields such as intelligent information integration, cooperative information systems, information retrieval, electronic commerce, and knowledge management. The author systematically introduces the notion of ontologies to the non-expert reader and demonstrates in detail how to apply this conceptual framework for improved intranet retrieval of corporate information. This book discusses the role ontologies will play in knowledge management and in electronic commerce. In addition, I show how arising web standards such as RDF and XML can be used as. Ontologies provide a shared and common understanding of a domain that can be communicated between people and application systems. Therefore, they may play a major role in supporting information exchange processes in various areas. This book discusses the role ontologies will play in knowledge management and in electronic commerce. In addition, I show how arising web standards such as RDF and XML can be used as. Keyphrases. This book discusses the role ontologies will play in knowledge management and in electronic commerce. In addition, I show how arising web standards such as RDF and XML can be used as an underlying representation languages for ontologies. II III Preface February 2000 ??? IV Table of Contents 1 Introduction 1 2 Ontologies 8 3 Application Area Knowledge Management 13 3.1 The pitfalls of current information search Discover the world's research. 20+ million members. Dieter Fensel provides the first pragmatic and comprehensive approach to using ontologies on the Web in his book "Ontologies: A Silver Bullet for Knowledge Management and Electronic Commerce". He presents one of the most exhaustive surveys of various ontology based knowledge representation techniques in light of their applicability to the web based information interchange. Ontologies are currently applied in areas such as knowledge management in large company-wide networks and call centers, and in B2C, B2G, and B2B electronic commerce. In a nutshell, ontologies enable effective and efficient access to heterogeneous and distributed information sources. Given the increasing amount of information available online, this kind of support is becoming more important day by day. The author systematically introduces the notion of ontologies to the non-expert reader and demonstrates in detail how to apply this conceptual framework for improved intranet retrieval of corpora