

# Metadata Solutions Using Metamodels Repositories XML And Enterprise Portals To Generate Information On Demand

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Business Intelligence Roadmap - Larissa Terpeluk Moss 2003  
This software will enable the user to learn

about business intelligence roadmap.  
*Dictionary of XML Technologies and the Semantic Web* - Vladimir

Geroimenko 2012-12-06  
The emerging Second-Generation Web is based entirely on XML and related technologies. It is intended to result in the creation of the Semantic Web, on which computers will be able to deal with the meaning ("semantics") of Web data and hence to process them in a more effective and autonomous way. This new version of the Web introduces a multitude of novel concepts, terms, and acronyms. Purpose, Scope and Methods This dictionary is an effort to specify the terminological basis of emerging XML and Semantic Web technologies. The ultimate goal of this dictionary is even broader than just to define the meaning of new words - it aims to develop a proper understanding of these leading-edge

technologies. To achieve this, comprehensible definitions of technical terms are supported by numerous diagrams and code snippets, clearly annotated and explained. The main areas covered in this dictionary are: (1) XML syntax and core technologies, such as Namespaces, Infoset and XML Schema; (2) all the major members of the XML family of technologies, such as XSLT, XPath and XLink; (3) numerous XML-based domain-specific languages, such as NewsML (News Markup Language); (4) the concept and architecture of the Semantic Web; (5) key Semantic Web technologies, such as RDF (Resource Description Framework), RDF Schema and OWL (Web Ontology Language); and (6) Web services, including WSDL (Web Services Description Language) and SOAP (Simple Object Access Protocol).

## **Information Quality and Governance for Business Intelligence**

- Yeoh, William 2013-12-31

Business intelligence initiatives have been dominating the technology priority list of many organizations. However, the lack of effective information quality and governance strategies and policies has been meeting these initiatives with some challenges. Information Quality and Governance for Business

Intelligence presents the latest exchange of academic research on all aspects of practicing and managing information using a multidisciplinary approach that examines its quality for organizational growth. This book is an essential reference tool for researchers, practitioners, and university students specializing in business

intelligence, information quality, and information systems.

*Building and Maintaining a Data Warehouse* - Fon Silvers 2008-03-18

As it is with building a house, most of the work necessary to build a data warehouse is neither visible nor obvious when looking at the completed product. While it may be easy to plan for a data warehouse that incorporates all the right concepts, taking the steps needed to create a warehouse that is as functional and user-friendly as it is theoreti

## **Knowledge Management**

### **Data Warehousing and Mining: Concepts, Methodologies, Tools, and Applications**

- Wang, John 2008-05-31

In recent years, the science of managing and analyzing large datasets has emerged as a

critical area of research. In the race to answer vital questions and make knowledgeable decisions, impressive amounts of data are now being generated at a rapid pace, increasing the opportunities and challenges associated with the ability to effectively analyze this data.

**The Australian Library Journal** - 2008

*Data Strategy* - Sid Adelman 2005

Without a data strategy, the people within an organization have no guidelines for making decisions that are absolutely crucial to the success of the IT organization and to the entire organization. The absence of a strategy gives a blank check to those who want to pursue their own agendas, including those who want to try new database management systems, new

technologies (often unproven), and new tools. This type of environment provides no hope for success. Data Strategy should result in the development of systems with less risk, higher quality systems, and reusability of assets. This is key to keeping cost and maintenance down, thus running lean and mean. Data Strategy provides a CIO with a rationale to counter arguments for immature technology and data strategies that are inconsistent with existing strategies. This book uses case studies and best practices to give the reader the tools they need to create the best strategy for the organization.

**Knowledge Management** - Murray E. Jennex  
2008-01-01

Provides comprehensive, in-depth coverage of all issues related to

knowledge management, including conceptual, methodological, technical, and managerial issues. Presents the opportunities, future challenges, and emerging trends related to this subject.

*On the Move to Meaningful Internet Systems 2005: CoopIS, DOA, and ODBASE* - R. Meersman 2005-10-27

This two-volume set LNCS 3760/3761 constitutes the refereed proceedings of the three confederated conferences CoopIS 2005, DOA 2005, and ODBASE 2005 held as OTM 2005 in Agia Napa, Cyprus in October/November 2005. The 89 revised full and 7 short papers presented together with 3 keynote speeches were carefully reviewed and selected from a total of 360 submissions. Corresponding with the three OTM 2005 main

conferences CoopIS, DOA, and ODBASE, the papers are organized in topical sections on workflow, workflow and business processes, mining and filtering, petri nets and process management, information access and integrity, heterogeneity, semantics, querying and content delivery, Web services, agents, security, integrity and consistency, chain and collaboration management, Web services and service-oriented architectures, multicast and fault tolerance, communication services, techniques for application hosting, mobility, security and data persistence, component middleware, java environments, peer-to-peer computing architectures, aspect oriented middleware, information integration and modeling, query processing, ontology

construction, metadata, information retrieval and classification, system verification and evaluation, and active rules and Web services.

Web-Based Supply Chain Management and Digital Signal Processing: Methods for Effective Information

Administration and Transmission -

Ramachandra, Manjunath  
2009-10-31

Presents trends and techniques for successful intelligent decision-making and transfer of products through digital signal processing.

**Conference Record** - 2004

**The Internet**

**Encyclopedia** - Hossein Bidgoli 2004

The Internet

Encyclopedia in a 3-volume reference work on the internet as a business tool, IT platform, and communications and

commerce medium.

**Communication of Complex Information** - Michael J. Albers 2004-12-13

The amount of information available for any realistic complex situation is likely to overwhelm most users, as well as stymie any designer tasked with presenting the information. Providing large amounts of information in a coherent and usable format remains an unresolved problem. Choosing, structuring, formatting, and displaying information to allow easy access and to facilitate understanding are critical issues for effective design. To build an effective design that addresses complex information needs, one must look at research from psychology, sociology, human computer interaction, and

technical communication, and develop a complete picture of the situation. This book develops a foundation for analysis and design of the approaches to providing complex information in real-world situations. Author Michael Albers takes the view that the content of the information system is the most important component. As such, this volume presents the analysis that needs to be done before the interface is designed and before content is created. It strives to provide clear understanding of how the user thinks and what the user needs, so interface operation, content, and presentation can maximize their respective potentials in communicating with a user. This volume is intended for technical communicators, human-computer interaction

designers, and information designers. It will also be useful for system designers and researchers, and those studying adaptive hypertext and related topics.

Aligning Business and IT with Metadata - Hans Wegener

2007-08-20  
Financial services institutions like international banks and insurance companies frequently need to adapt to changes in their environments, yet manage risk and ensure regulatory compliance. The author Hans Wegener reveals how metadata can be used to achieve a successful and technological evolution. This unique approach is divided into three parts to: Explain how metadata can be used to increase an organization's ability to adopt changes  
Outline the peculiarities of financial corporations

and how they affect value creation and solution design Present the practical side of effectively managing metadata and sustaining long term success Wegener firstly illustrates the peculiarities of both metadata management and the financial services industry. He combines both, puts them into context of use, and explains where and how this makes life difficult, as well as where and how value is created. This enables the reader to understand the impact of metadata management on his/her organization, its typical side effects, necessities, and benefits. The book then goes onto reveal how different crosscutting concerns managed in large financial corporations (change, risk, and compliance management) can

revolutionize business by supporting them with metadata management. This provides a blueprint to be used in strategic planning. Finally, the mechanics of three important practical areas are discussed in-depth, namely managing evolution, quality, and sustainability. This provides helpful scripts for practitioners to be used in real-life.

Filtering the Web to Feed Data Warehouses -  
Witold Abramowicz  
2011-06-28

Information is a key factor in business today, and data warehousing has become a major activity in the development and management of information systems to support the proper flow of information. Unfortunately, the majority of information systems are based on structured information



stored in organizational databases, which means that the company is isolated from the business environment by concentrating on their internal data sources only. It is therefore vital that organizations take advantage of external business information, which can be retrieved from Internet services and mechanically organized within the existing information structures. Such a continuously extending integrated collection of documents and data could facilitate decision-making processes in the organization. Filtering the Web to Feed Data Warehouses discusses areas such as: - how to use data warehouse for filtering Web content - how to retrieve relevant information from diverse sources on the Web - how to handle the time aspect - how to

mechanically establish links among data warehouse structures and documents filtered from external sources - how to use collected information to increase corporate knowledge and gives a comprehensive example, illustrating the idea of supplying data warehouses with relevant information filtered from the Web.

**Human-Information Interaction and Technical Communication: Concepts and Frameworks**

- Albers, Michael J.  
2012-02-29

"This book works to provide practical knowledge based on a sound theoretical foundation for allowing people to engage in a meaningful dialogue as they make decisions with respect to designing that communication"--  
Provided by publisher.

*Generic Model Management*  
- Sergey Melnik  
2004-04-28

Many challenging problems in information systems engineering involve the manipulation of complex metadata artifacts or models, such as database schema, interface specifications, or object diagrams, and mappings between models. Applications solving metadata manipulation problems are complex and hard to build. The goal of generic model management is to reduce the amount of programming needed to solve such problems by providing a database infrastructure in which a set of high-level algebraic operators are applied to models and mappings as a whole rather than to their individual building blocks. This book presents a systematic study of the concepts and algorithms for generic model management. The first

prototype of a generic model management system is described, the algebraic operators are introduced and analyzed, and novel algorithms for implementing them are developed. Using the prototype system and the operators presented, solutions are developed for several practically relevant problems, such as change propagation and reintegration.

Cases on

Telecommunications and Networking - Khosrow-

Pour, D.B.A., Mehdi  
2006-04-30

"This book presents a wide range of the most current issues related to the planning, design, maintenance, and management of telecommunications and networking technologies and applications in organizations" -- Provided by publisher.

**Metadata for Information Management and Retrieval**

- David Haynes 2004

What is metadata and what do I need to know about it? These are two key questions for the information professional operating in the digital age as more and more information resources are available in electronic format. This is a thought-provoking introduction to metadata written by one of its leading advocates. It assesses the current theory and practice of metadata and examines key developments - including global initiatives and multilingual issues - in terms of both policy and technology. Subjects discussed include: What is metadata? definitions and concepts Retrieval environments: web; library catalogues; documents and records management; GIS; e-Learning Using metadata to enhance retrieval: pointing to content; subject retrieval;

language control and indexing Information management issues: interoperability; information security; authority control; authentication and legal admissibility of evidence; records management and document lifecycle preservation issues Application of metadata to information management: document and records management; content management systems for the internet Managing metadata: how to develop a schema Standards development: Dublin Core; UK Government metadata standards (eGIF); IFLA FRBR Model for cataloguing resources Looking forward: the semantic web; the Web Ontology Working Group. Readership: This book will be essential reading for network-oriented librarians and information workers in all sectors and for LIS

students. In addition, it will provide useful background reading for computer staff supporting information services. Publishers, policy makers and practitioners in other curatorial traditions such as museums work or archiving will also find much of relevance.

*Consultants & Consulting Organizations Directory*  
- Cengage Gale  
2009-05-08

Information Resource Science - Tatyana Berestova 2020-08-24

This book is devoted to a new scientific research area termed 'Information Resource Science'. The majority of previous publications about information resources are simply a description of new research and developments or a marketing presentation of information resources. As such,

while applicative knowledge about information resources is dynamically developing today, there is no actual theoretical study of information resource science. This book serves to solve basic issues of information resource theory, and fills the numerous lacunae that exist in the theoretical knowledge of information resources. The solutions presented here will help in dealing with applied problems of information resource science, which will, ultimately, have a positive effect on the practice of creating and using one of the most important modern sources of activity for both the individual and society.

**Metadata Solutions** - Adrienne Tannenbaum 2002  
Introduces concepts for organizing data within a company to make it more accessible and meaningful. The author

explains where databases went wrong in the 1990s, describes metadata-based technologies and standards, and illustrates the various implementation options by depicting five distinct metadata solutions for the same problem.

### **Information Technology and Innovation Trends in Organizations -**

Alessandro D'Atri  
2011-07-07

The book examines a wide range of issues that characterize the current IT based innovation trends in organisations. It contains a collection of research papers focusing on themes of growing interest in the field of Information System, Organization Studies, and Management. The book offers a multi-disciplinary view on Information Systems aiming to disseminate academic knowledge. It might be particularly

relevant to IT practitioners such as information systems managers, business managers and IT consultants. The volume is divided into XIV sections, each one focusing on a specific theme. A preface written by Joey George, president of the Association for Information Systems opens the text. The content of each section is based on a selection of the best papers (original double blind peer reviewed contributions) presented at the annual conference of the Italian chapter of AIS, which has been held in Naples, Italy, on October 2010.

### Architecture of Reliable Web Applications

Software - Radaideh, Moh'd A. 2006-12-31

"This book presents new concepts regarding reliability, availability,

manageability, performance, scalability, and secured-ability of applications, particularly those that run over the Web. It examines causes of failure in Web-based information system development projects, and indicates that to exploit the unprecedented opportunities offered by e-service applications, businesses and users alike need a highly available, reliable, and efficient telecommunication infrastructure" -- Provided by publisher.

**On the Move to Meaningful Internet Systems ...: CoopIS, DOA, and ODBASE - 2004**

*Business Information Systems* - Witold Abramowicz 2014-05-17  
This book contains the refereed proceedings of the 17th International

Conference on Business Information Systems, BIS 2014, held in Larnaca, Cyprus, in May 2014. The BIS conference series follows trends in academic and business research; thus, the theme of the BIS 2014 conference was "Big Data: Problems Solved and Remaining Challenges." Currently, big data is one of the most prominent trends in areas such as recommendation engines, fraud detection, risk modeling, marketing campaign and social network analysis. The 22 revised full papers were carefully reviewed and selected from 58 submissions. They are grouped into sections on big data, business process management, ontologies and conceptual modeling, collaboration, service science and interoperability and specific BIS

applications.  
Business Intelligence -  
David Loshin 2003-07-10  
Business Intelligence  
describes the basic  
architectural components  
of a business  
intelligence  
environment, ranging  
from traditional topics  
such as business process  
modeling, data modeling,  
and more modern topics  
such as business rule  
systems, data profiling,  
information compliance  
and data quality, data  
warehousing, and data  
mining. This book  
progresses through a  
logical sequence,  
starting with data model  
infrastructure, then  
data preparation,  
followed by data  
analysis, integration,  
knowledge discovery, and  
finally the actual use  
of discovered knowledge.  
The book contains a  
quick reference guide  
for business  
intelligence  
terminology. Business

Intelligence is part of  
Morgan Kaufmann's Savvy  
Manager's Guide series.  
\* Provides clear  
explanations without  
technical jargon,  
followed by in-depth  
descriptions. \*  
Articulates the business  
value of new technology,  
while providing relevant  
introductory technical  
background. \* Contains a  
handy quick-reference to  
technologies and  
terminologies. \* Guides  
managers through  
developing,  
administering, or simply  
understanding business  
intelligence technology.  
\* Bridges the business-  
technical gap. \* Is Web  
enhanced. Companion  
sites to the book and  
series provide value-  
added information,  
links, discussions, and  
more.  
**Data Warehousing and  
Mining** - 2008  
"This collection offers  
tools, designs, and  
outcomes of the

utilization of data mining and warehousing technologies, such as algorithms, concept lattices, multidimensional data, and online analytical processing. With more than 300 chapters contributed by over 575 experts from around the globe, this authoritative collection will provide libraries with the essential reference on data mining and warehousing"-- Provided by publisher.  
Architecture and Patterns for IT Service Management, Resource Planning, and Governance  
- Charles T. Betz  
2011-09-23  
IT in a World of Continuous Improvement -  
- Architecture Approach  
-- Patterns for the IT Processes -- Patterns for the IT Lifecycles --  
APPENDIX A: Extended Definitions for the IT Architectural --  
APPENDIX B: Fundamentals

of Computing for the Business -- APPENDIX C: Production and Services -- REFERENCES -- INDEX.  
*Information Systems* - Steven R. Gordon  
2003-02-05  
Written from the manager's perspective, this new Third Edition prepares readers to improve the management of information using the latest information systems and technologies. The book shows how to analyze a situation, evaluate existing systems for managing information, design the features of new systems, and consider the issues associated with implementing them.  
**Spillover of Adsorbed Species: International Symposium Proceedings** - Gerard Meurant  
2000-04-01  
Spillover of Adsorbed Species: International Symposium Proceedings  
Data Warehousing in the



Age of Big Data - Krish  
Krishnan 2013-05-02  
Data Warehousing in the  
Age of the Big Data will  
help you and your  
organization make the  
most of unstructured  
data with your existing  
data warehouse. As Big  
Data continues to  
revolutionize how we use  
data, it doesn't have to  
create more confusion.  
Expert author Krish  
Krishnan helps you make  
sense of how Big Data  
fits into the world of  
data warehousing in  
clear and concise  
detail. The book is  
presented in three  
distinct parts. Part 1  
discusses Big Data, its  
technologies and use  
cases from early  
adopters. Part 2  
addresses data  
warehousing, its  
shortcomings, and new  
architecture options,  
workloads, and  
integration techniques  
for Big Data and the  
data warehouse. Part 3

deals with data  
governance, data  
visualization,  
information life-cycle  
management, data  
scientists, and  
implementing a Big  
Data-ready data  
warehouse. Extensive  
appendixes include case  
studies from vendor  
implementations and a  
special segment on how  
we can build a  
healthcare information  
factory. Ultimately,  
this book will help you  
navigate through the  
complex layers of Big  
Data and data  
warehousing while  
providing you  
information on how to  
effectively think about  
using all these  
technologies and the  
architectures to design  
the next-generation data  
warehouse. Learn how to  
leverage Big Data by  
effectively integrating  
it into your data  
warehouse. Includes  
real-world examples and

use cases that clearly demonstrate Hadoop, NoSQL, HBASE, Hive, and other Big Data technologies Understand how to optimize and tune your current data warehouse infrastructure and integrate newer infrastructure matching data processing workloads and requirements

**Beginning Relational Data Modeling** - Sharon Lee Allen 2006-11-03

\*Immediately accessible to anyone who must design a relational data model—regardless of prior experience

\*Concise, straightforward explanations to a usually complex/ jargon-rich discipline

\*Examples are based on extensive author experience modeling for real business systems

*The Data Warehouse ETL Toolkit* - Ralph Kimball 2011-04-27

Cowritten by Ralph

Kimball, the world's leading data warehousing authority, whose previous books have sold more than 150,000 copies Delivers real-world solutions for the most time- and labor-intensive portion of data warehousing—data staging, or the extract, transform, load (ETL) process Delineates best practices for extracting data from scattered sources, removing redundant and inaccurate data, transforming the remaining data into correctly formatted data structures, and then loading the end product into the data warehouse Offers proven time-saving ETL techniques, comprehensive guidance on building dimensional structures, and crucial advice on ensuring data quality

Knowledge Management in the Construction Industry - Abdul Samad Kazi 2005-01-01

Annotation Presents a portfolio of concepts, methods, models, and tools supported by real life case studies from various corners of the globe providing insights into the management of knowledge in the construction industry.

**Big Data and Internet of Things: A Roadmap for Smart Environments** - Nik Bessis 2014-03-11

This book presents current progress on challenges related to Big Data management by focusing on the particular challenges associated with context-aware data-intensive applications and services. The book is a state-of-the-art reference discussing progress made, as well as prompting future directions on the theories, practices, standards and strategies that are related to the emerging computational technologies and their

association with supporting the Internet of Things advanced functioning for organizational settings including both business and e-science. Apart from inter-operable and inter-cooperative aspects, the book deals with a notable opportunity namely, the current trend in which a collectively shared and generated content is emerged from Internet end-users. Specifically, the book presents advances on managing and exploiting the vast size of data generated from within the smart environment (i.e. smart cities) towards an integrated, collective intelligence approach. The book also presents methods and practices to improve large storage infrastructures in response to increasing demands of the data intensive applications. The book contains 19

self-contained chapters that were very carefully selected based on peer review by at least two expert and independent reviewers and is organized into the three sections reflecting the general themes of interest to the IoT and Big Data communities: Section I: Foundations and Principles Section II: Advanced Models and Architectures Section III: Advanced Applications and Future Trends The book is intended for researchers interested in joining interdisciplinary and transdisciplinary works in the areas of Smart Environments, Internet of Things and various computational technologies for the purpose of an integrated collective computational intelligence approach into the Big Data era.

**Business Information Systems Workshops -**  
Witold Abramowicz

2010-09-07  
Business information systems is a rapidly developing domain. There are many topics that deserve attention but have not yet found a place in canonical research. Workshops give researchers the possibility to share preliminary ideas, experimental results, or to discuss research hypotheses. Discussions held during presentations strengthen the paper and prepare it for publication. From our experience, workshops are a perfect instrument with which to create a community around very specific research topics, thus offering the opportunity to promote it. Topics that do not find critical feedback at the main International Conference on Business Information Systems (BIS) may experience fruitful discussion when

confronted with a well-focused audience. Over the last few decades, business informationsystems have been one of the most important factors of the transition toward a knowledge-based economy. At the same time they have been subject to continuous rapid development and innovation driven both by industry and by academia. For the last 12 years these innovations were carefully observed but also shaped by researchers attending BIS yearly.

*Web Mining* - Anthony Scime 2005-01-01

Web Mining is moving the World Wide Web toward a more useful environment in which users can quickly and easily find the information they need. Web Mining uses document content, hyperlink structure, and usage statistics to

assist users in meeting their needed information. This book provides a record of current research and practical applications in Web searching. It includes techniques that will improve the utilization of the Web by the design of Web sites, as well as the design and application of search agents. This book presents research and related applications in a manner that encourages additional work toward improving the reduction of information overflow, which is so common today in Web search results.

**XPath, XLink, XPointer, and XML** - Erik Wilde 2003

Although the Web has grown since its introduction, its technical foundations have remained stable. However, the introduction of XML has heralded a substantial

change in the way in which content can be managed. This book will describe the new hypermedia features of the XLink/XPointer-

enabled Web for developers who are interested in how these new concepts can be used for Web publishing.