

Modeling Enterprise Architecture with TOGAF®

A Practical Guide Using
UML and BPMN

Philippe Desfray - Gilbert Raymond



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Vasconcelos,2022-11-08 This textbook provides guidance to both students and practitioners of enterprise architecture EA on how to develop and maintain enterprise models Rather than providing yet another list of EA notations and frameworks from A to Z it focuses on methods to perform such tasks The problem of EA maintenance named Enterprise Cartography is an important aspect addressed in this book because EA is a never ending challenge that increases as the organization transformations pace also increases The long time perspective also entails the evolution of architectural frameworks and notations something that does not occur when developing new models Thus a catalogue of patterns principles and methods is presented to develop and maintain EA models and views After a general introduction to the book in chapter 1 chapter 2 presents basic concepts for EA modeling Chapter 3 further details the set of EA concepts needed to present the patterns and principles which are subsequently introduced in chapter 4 Next chapter 5 describes enterprise cartography concepts and principles The remaining book then turns to techniques and methodologies In chapter 6 an EA development method is summarized In chapter 7 an enterprise strategy design approach is proposed while in chapter 8 a business process design methodology is described Chapters 9 and 10 focus on information architecture and information systems architecture design approaches including information systems architecture planning and application portfolio management Eventually chapter 11 describes a method for enterprise cartography EC design Last not least several case studies on EA and EC are proposed in the last chapter

Practical Model-Driven Enterprise Architecture Mudar Bahri,Joe Williams,2022-05-13 Bridge the gap between theory and reality by implementing real world examples using the Sparx EA tool and ArchiMate 3.1 specification to develop sophisticated enterprise architecture models serving every unit in your organization Key Features Discover the various artifacts that enterprise architects need to develop for stakeholders to make sound decisions Build a functional enterprise architecture repository that is rich in information references and metamodels Learn how to use Sparx Enterprise Architect from scratch Book Description Most organizations face challenges in defining and achieving evolved enterprise architecture practices which can be a very lengthy process even if implemented correctly Developers for example can build better solutions only if they receive the necessary design information from architects and decision makers can make appropriate changes within the organization only if they know the implications of doing so The book starts by addressing the problems faced by enterprise architecture practitioners and provides solutions based on an agile approach to enterprise architecture using ArchiMate 3.1 as an industry standard and Sparx EA as the modeling tool You ll learn with the help of a fictional organization that has three business units each expecting something different from you as the enterprise architect You ll build the practice satisfy the different requirements of each business unit and share the knowledge with others so they can follow your steps Toward the end you ll learn how to put the diagrams and the content that you have developed into documents presentations and web pages that can be published and shared with any stakeholder By the end of this book you ll be able to build a functional enterprise architecture practice that supports every part of your organization

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Advances in Conceptual Modeling Tiago Prince Sales, João Araújo, José Borbinha, Giancarlo Guizzardi, 2023-10-26. This book constitutes the refereed proceedings of 7 workshops held at the 42nd International Conference on Conceptual Modeling ER 2023 held in Lisbon, Portugal, during November 6-9, 2023. The 28 full and 2 short papers were carefully reviewed and selected out of 53 submissions. Topics of interest span the entire spectrum of conceptual modeling, including research and practice in areas such as theories of concepts and ontologies, techniques for transforming conceptual models into effective implementations, and methods and tools for developing and communicating conceptual models. The following workshops are included in this volume: CMLS 4th International Workshop on Conceptual Modeling for Life Sciences, CMOMM4FAIR Third Workshop on Conceptual Modeling Ontologies and Meta-data Management for Findable, Accessible, Interoperable, and Reusable FAIR Data, EmpER 6th International Workshop on Empirical Methods in Conceptual Modeling, JUSMOD Second International Workshop on Digital Justice, Digital Law, and Conceptual Modeling, OntoCom 9th International Workshop on Ontologies and Conceptual Modeling, QUAMES 4th International Workshop on Quality and Measurement of Model Driven Software Development, SmartFood First Workshop on Controlled Vocabularies and Data Platforms for Smart Food Systems.

Electronic Government: Concepts, Methodologies, Tools, and Applications Anttiroiko, Ari-Veikko, 2008-03-31. Provides research on e-government and its implications within the global context. Covers topics such as digital government, electronic justice, government to government information policy, and cyber infrastructure research and methodologies.

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