

# From Enterprise Architecture To It Governance Elements Of Effective It Management

This is likewise one of the factors by obtaining the soft documents of this From Enterprise Architecture To It Governance Elements Of Effective It Management by online. You might not require more grow old to spend to go to the books opening as capably as search for them. In some cases, you likewise get not discover the statement From Enterprise Architecture To It Governance Elements Of Effective It Management that you are looking for. It will extremely squander the time.

However below, with you visit this web page, it will be therefore certainly easy to get as well as download lead From Enterprise Architecture To It Governance Elements Of Effective It Management

It will not admit many become old as we tell before. You can accomplish it even if ham it up something else at house and even in your workplace. consequently easy! So, are you question? Just exercise just what we allow below as skillfully as review From Enterprise Architecture To It Governance Elements Of Effective It Management what you next to read!

*Strategic Enterprise Architecture Management* Frederik Ahlemann 2012-01-05 The Enterprise Architecture Management (EAM) discipline deals with the alignment of business and information systems architectures. While EAM has long been regarded as a discipline for IT managers, this book takes a different stance: It explains how top executives can use EAM to leverage their strategic planning and controlling processes, as well as how it can contribute to their sustainable competitive advantage. Based on the analysis of best practices from eight leading European companies from various industries, the book presents the crucial elements of successful EAM. It outlines what executives need to do in terms of governance, processes, methodologies, and culture in order to bring their management to the next level. Beyond this, the book points out how EAM could develop in the next decade, thus allowing today's managers to prepare for the future architecture management.

*Enterprise, Business-Process and Information Systems Modeling* Terry Halpin 2011-06-17 This book contains the refereed proceedings of the 12th International Conference on Business Process Modeling, Development and Support (BPMDS 2011) and the 16th International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2011), held together with the 23rd International Conference on Advanced Information Systems Engineering (CAISE 2011) in London, UK, in June 2011. The 22 papers accepted for BPMDS were selected from 61 submissions and cover a wide spectrum of issues related to business processes development, modeling, and support. They are grouped into sections on BPMDS in practice, business process improvement, business process flexibility, declarative process models, variety of modeling paradigms, business process modeling and support systems development, and interoperability and mobility. The 16 papers accepted for EMMSAD were chosen from 31 submissions and focus on exploring, evaluating, and enhancing current information modeling methods and methodologies. They are grouped in sections on workflow and process modeling extensions, requirements analysis and information systems development, requirements evolution and information systems evolution, data modeling languages and business rules, conceptual modeling practice, and enterprise architecture.

*Enterprise and Organizational Modeling and Simulation* Robert Pergl 2017-09-27 This book constitutes the refereed proceedings of the 13th International Workshop on Enterprise and Organizational Modeling and Simulation, EOMAS 2017, held in Essen, Germany, in June 2017. The main focus of EOMAS is on the role, importance, and application of modeling and simulation within the extended organizational and enterprise context. The 12 full papers presented in this volume were carefully reviewed and selected from 26 submissions. They were organized in topical sections on formal methods, conceptual modeling, and enterprise engineering.

*An Introduction to Enterprise Architecture* Scott A. Bernard 2004 Uses case studies to explain the concept of enterprise architecture, and how to develop an enterprise architecture management plan in your organisation.

*Ontology, Conceptualization and Epistemology for Information Systems, Software Engineering and Service Science* Miguel-Angel Sicilia 2010-10-22 This book constitutes the post-proceedings of the International Workshop on Ontology, Conceptualization and Epistemology for Information Systems, Software Engineering and Service Sciences (ONTOSE 2010), held at the CAISE 2010 conference in Hammamet, Tunisia, June, 2010. The 10 papers presented in this volume were carefully revised and selected from 25 submissions. They are grouped in sections on enterprise and service architectures, ontology applications, ontology visualization and query expansion, and ontologies for services.

*Sustainable Enterprise Architecture* Kirk Hausman 2011-03-10 Enterprise architecture requires an understanding of all technologies, strategies, and data consumption throughout the enterprise. To this end, one must strive to always broaden knowledge of existing, as well as emerging trends and solutions. As a trade, this role demands an understanding beyond the specificities of technologies and vendor products

*The Practice of Enterprise Modeling* Jennifer Horkoff 2016-10-27 This volume constitutes the proceedings of the 9th IFIP WG 8.1 Conference on the Practice of Enterprise Modeling held in November 2016 in Skövde, Sweden. The PoEM conference series started in 2008 and aims to provide a forum sharing knowledge and experiences between the academic community and practitioners from industry and the public sector. The 18 full papers and 9 short papers accepted were carefully reviewed and selected from 54 submissions and cover topics related to information systems development, enterprise modeling, requirements engineering, and process management. In addition, the keynote by Robert Winter on "Establishing 'Architectural Thinking' in Organizations" is also included in this volume.

*Service Science and Knowledge Innovation* Kecheng Liu 2014-04-28 This book constitutes the refereed proceedings of the 15th IFIP WG 8.1 International Conference on Informatics and Semiotics in Organisations,

ICISO 2014, held in Shanghai, China, in May 2014. The 39 revised papers presented at the main conference were carefully reviewed and selected from 88 submissions. Additionally, 10 papers were selected for presentation at two workshops held in the framework of ICISO 2014. The papers have been organized in the following topical sections: organizational semiotics: theory and concepts; organizational semiotics and applications; finance and service science; enterprise architecture; modelling and simulation and decision making and knowledge management. The last two sections contain papers from the Workshop on e-Health, the New Frontier of Service Science Innovation and the International Workshop on Information Engineering and Management.

*Architecture and Patterns for IT Service Management, Resource Planning, and Governance: Making Shoes for the Cobbler's Children* Charles T. Betz 2006-11-17 Architecture and Patterns for IT Service Management, Resource Planning, and Governance: Making Shoes for the Cobbler's Children provides an independent examination of developments in Enterprise Resource Planning for Information. Major companies, research firms, and vendors are offering Enterprise Resource Planning for Information Technology, which they label as ERP for IT, IT Resource Planning and related terms. This book presents on-the-ground coverage of enabling IT governance in architectural detail, which can be used to define a strategy for immediate execution. It fills the gap between high-level guidance on IT governance and detailed discussions about specific vendor technologies. It provides a unique value chain approach to integrating the COBIT, ITIL, and CMM frameworks into a coherent, unified whole. It presents a field-tested, detailed conceptual information model with definitions and usage scenarios, mapped to both process and system architectures. This book is recommended for practitioners and managers engaged in IT support in large companies, particularly those who are information architects, enterprise architects, senior software engineers, program/project managers, and IT managers/directors.

*Empowering Businesses With Collaborative Enterprise Architecture Frameworks* Iyamu, Tiko 2020-08-07 Increasingly, organizations allocate a substantial financial budget to the acquisition, implementation, and management of IT solutions. IT solutions are employed strategic partners in supporting business strategic outcome, and the solutions are tools used to support operational activities within an environment. Given the vast amounts being invested in IT solutions and development, there is a need for a better return and outcome for organizations. Empowering Businesses With Collaborative Enterprise Architecture Frameworks is an essential reference source that provides readers with pragmatic, implementable strategies and direction to create IT with collaborative capabilities that can reduce the cost of running IT within an organization. Moreover, the book offers pragmatic roadmaps to adopting disruptive IT solutions effectively and efficiently and towards gaining a better understanding of enterprise architecture as a means to business decision making. Featuring research on topics such as business engineering, cloud computing, and open systems, this book is ideally designed for managers, directors, and other business decision makers; government and industry policymakers; business and enterprise architects; industry professionals; academicians; researchers; and students.

*Governance of the Extended Enterprise* IT Governance Institute 2005-03-18 Discover how to implement an effective IT governance structure for the long-term success of an extended enterprise IT is no longer an enabler of corporate strategy, it is now the keyelement of corporate strategy. Governance of the ExtendedEnterprise explores how some of the world's most successfulenterprises have integrated information technology with businessstrategies, culture, and ethics to optimize information value,attain business objectives, and capitalize on technologies inhighly competitive environments. Providing a process for change and a governance model, Governanceof the Extended Enterprise encompasses the latest emergingpractices from major information and knowledge businesses,providing a major new knowledge resource for enterprises. It alsoopens up new avenues of practice in strategy setting, enterprisemanagement, control assessment, and risk management. From sales-force automation to workgroup collaboration, formsprocessing to knowledge management systems, customer service totechnical support, Governance of the Extended Enterprise will helpreaders improve IT governance in all facets of their organization.

*Service-Oriented Computing. ICSOC/ServiceWave 2009 Workshops* Asit Dan 2010-09-16 Annotation. This book constitutes the refereed proceedings of the International Workshops on Service-Oriented Computing, ICSOC/ServiceWave 2009, held in Stockholm, Sweden, in November 2009. The book includes papers of workshops on trends in enterprise architecture research (TEAR 2009), SOA, globalization, people, and work (SG-PAW), service oriented computing in logistics (SOC-LOG), non-functional properties and service level agreements management in service oriented computing (NFPSLAM-SOC 09), service monitoring, adaptation and beyond (MONA+), engineering service-oriented applications (WESOA09), and user-generated services

(UGS2009). The papers are organized in topical sections on business models and architecture; service quality and service level agreements track; and service engineering track.

*Practice-Driven Research on Enterprise Transformation* Erik Proper 2012-06-23 This volume constitutes the proceedings of the 4th Working Conference on Practice-Driven Research on Enterprise Transformation (PRET), held in Gdańsk, Poland, on June 27, 2012, as the industrial track of the 24th International Conference on Advanced Information Systems Engineering (CAISE 2012). Restructuring, divesting, improving performance, and merging are among the usual transformation activities that enterprises conduct to provide answers to the challenging demands put on them. To foster the much-needed debate between researchers and practitioners on these topics, the number of papers accepted for PRET is kept low, providing the authors and the audience with ample time to engage in discussions about both the practical implications of results and the theoretical underpinnings of phenomena observed in industrial practice. This year, five papers were selected after careful review, and each paper is between 20 and 25 pages long, to allow for the presentation of details. The topics covered include enterprise architecture, business and IT alignment, and business process management and evaluation.

*Trends in Enterprise Architecture Research and Practice-Driven Research on Enterprise Transformation* Stephan Aier 2012-10-06 This volume constitutes the proceedings of the combined 7th International Workshop on Trends in Enterprise Architecture Research (TEAR 2012) and the 5th Working Conference on Practice-Driven Research on Enterprise Transformation (PRET-5), held in Barcelona, Spain, October 23-24, 2012, and co-located with The Open Group's Conference on Enterprise Architecture, Cloud Computing, and Security. Joining the forces of the two events with The Open Group Conference provided the unique opportunity for an intensive exchange between practitioners as well as for discussions on standardization efforts and academic research in the areas of enterprise transformation and enterprise architecture (EA). Based on careful reviews by at least three Program Committee members, 18 papers were chosen for inclusion in these proceedings. They were presented in six sessions on enterprise architecture management (EAM) effectivity, languages for EA, EAM and the ability to change, advanced topics in EA, governing enterprise transformations, and EA applications.

*Fundamentals of Enterprise Architecture Management* Jörg Ziemann 2022-06-22 This textbook provides a comprehensive, holistic, scientifically precise, and practically relevant description of Enterprise Architecture Management (EAM). Based on state-of-the-art concepts, it also addresses current trends like disruptive digitization or agile methods. The book is structured in five chapters. The first chapter offers a comprehensive overview of EAM. It addresses questions like: what does EAM mean, what is the history of EAM, why do enterprises need EAM, what are its goals, and how is it related to digitalization? It also includes a short overview of essential EAM standards and literature. The second chapter provides an overview of Enterprise Architecture (EA). It starts with clarifying basic terminology and the difference between EA and EAM. It also gives a short summary of existing EA frameworks and methods for structuring the digital ecosystem into layers and views. The third chapter addresses the strategic and tactical context of the EAM capability in an enterprise. It defines essential terms and parameters in the context of enterprise strategy and tactics as well as the operative, organizational context of EAM. The fourth chapter specifies the detailed goals, processes, functions, artifacts, roles and tools of EAM, building the basis for an EAM process framework that provides a comprehensive overview of EAM processes and functions. Closing the circle, the last chapter describes how to evaluate EAM in an enterprise. It starts by laying out core terminology, like "metric" and "strategic performance measurement system" and ends with a framework that integrates the various measuring areas in the context of EA and EAM. This textbook focuses on two groups: First, EAM scholars, ie bachelor or master students of Business Information Systems, Business Administration or Computer Science. And second, EAM practitioners working in the field of IT strategy or EA who need a reliable, scientifically solid, and practically proven state-of-the-art description of essential EAM methods.

*The Practice of Enterprise Modeling* Janis Grabis 2013-11-01 This volume constitutes the proceedings of the 6th IFIP WG 8.1 Conference on the Practice of Enterprise Modeling held in November 2013 in Riga, Latvia. The focus of the PoEM conference series is on advances in the practice of enterprise modeling through a forum for sharing knowledge and experiences between the academic community and practitioners from industry and the public sector. The 19 papers accepted were carefully reviewed and selected from 80 submissions. They reflect different topics of enterprise modeling including quality of models, change management and transformation, approaches and tools for agility and flexibility, enterprise modeling and business processes, enterprise modeling and information systems and enterprise modeling cases. Additionally, one of the two keynotes is also included in this volume.

*ArchiMate® 3.0 Specification* The Open Group 2016-06-13 The ArchiMate® Specification, an Open Group Standard, defines an open and independent modeling language for Enterprise Architecture that is supported by different tool vendors and consulting firms. The ArchiMate language enables Enterprise Architects to describe, analyze, and visualize the relationships among business domains in an unambiguous way. This book is the official specification of the ArchiMate 3.0 modeling language from The Open Group. ArchiMate 3.0 is a major update to ArchiMate 2.1. The ArchiMate 3.0 Specification supports modeling throughout the TOGAF® Architecture Development Method (ADM). New features in Version 3.0 include elements for modeling the enterprise at a strategic level, such as capability, resource, and outcome. It also includes support to model the physical world of materials and equipment. Furthermore, the consistency and structure of the language have been improved, definitions have been aligned with other standards, and its usability has been enhanced in various other ways. The intended audience is threefold: • Enterprise Architecture practitioners, such as architects (e.g., business, application, information, process, infrastructure, and,

obviously, enterprise architects), senior and operational management, project leaders, and anyone committed to work within the reference framework defined by the Enterprise Architecture. • Those who intend to implement the ArchiMate language in a software tool; they will find a complete and detailed description of the language in this book. • The academic community, on which we rely for amending and improving the language, based on state-of-the-art research results in the Enterprise Architecture field.

*Human Benefit through the Diffusion of Information Systems Design Science Research* Jan Pries-Heje 2010-03-10 This book constitutes the proceedings of the 2010 Joint International Working Conference of the International Federation for Information Processing Working Groups 8.2 and 8.6. Both working groups are part of IFIP Technical Committee 8, the technical committee addressing the field of Information Systems. IFIP WG 8.2, the International Federation of Information Systems and Organizations, was established in 1977. IFIP WG 8.6, Diffusion, Transfer and Implementation of Information Technology, was established in 1994. In accordance with their respective themes, both IFIP WG 8.2 and IFIP WG 8.6 have long had an interest in the human impact of information systems. In December 1998, they held a joint working conference in Helsinki, Finland, on the theme "Information Systems: Current Issues and Future Challenges." The two working groups' joint interest in and collaboration on research concerning the human side of IS is continued and extended through this joint working conference, held on the campus of Curtin University of Technology, from March 30 to April 1, 2010, in Perth, Western Australia. This conference, "Human Benefit Through the Diffusion of Information Systems Design Science Research," combines the traditional themes of the two working groups with the growing interest within the IS research field in the area of design science research.

*Enterprise, Business-Process and Information Systems Modeling* Ilia Bider 2010-05-20 This book contains the proceedings of two well established scientific events held in connection with the CAISE conferences relating to the areas of enterprise, business-processes, and information systems modeling: – The 11th International Workshop on Business Process Modeling, Development and Support (BPMDS 2010); – The 15th International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2010). The two events are introduced briefly below. BPMDS 2010 BPMDS 2010 was the 11th in a series of workshops that have successfully served as a forum for raising and discussing new ideas in the area of business process development and support. The BPMDS series has produced 10 workshops from 1998 to 2009. Eight of these workshops, including the last seven (BPMDS 2003–BPMDS 2009) were held in conjunction with CAISE conferences. The BPMDS workshops focus on topics relating to IT support for business processes, which addresses key issues that are relevant to the continuous development of information systems theory. The continued interest in these topics within the industrial and academic IS communities is reflected by the success of the last BPMDS workshops and the emergence of new conferences devoted to this theme. Previous BPMDS workshops focused on the different phases in the business process lifecycle as well as the drivers that motivate and initiate business process design and evolution.

*Handbook of Research on Innovations in Systems and Software Engineering* Díaz, Vicente García 2014-08-31 Professionals in the interdisciplinary field of computer science focus on the design, operation, and maintenance of computational systems and software. Methodologies and tools of engineering are utilized alongside the technological advancements of computer applications to develop efficient and precise databases of information. The Handbook of Research on Innovations in Systems and Software Engineering combines relevant research from all facets of computer programming to provide a comprehensive look at the challenges and changes in the field. With information spanning topics such as design models, cloud computing, and security, this handbook is an essential reference source for academicians, researchers, practitioners, and students interested in the development and design of improved and effective technologies. *Business Process Management: Blockchain and Central and Eastern Europe Forum* Claudio Di Ciccio 2019-08-26 This book constitutes the contributions presented at the Blockchain Forum and the Central and Eastern Europe Forum (CEE Forum) held at the 17th International Conference on Business Process Management, BPM 2019, which took place in Vienna, Austria, in September 2019. The Blockchain Forum deals with the use of blockchain for collaborative information systems. Conceptual, technical and application-oriented contributions are pursued within the scope of this theme. The Blockchain Forum received a total of 31 submissions; 10 full and 1 short paper were accepted for publication in this book. The objective of the CEE Forum is to foster discussion for BPM academics from Central and Eastern Europe to disseminate their research, compare results and share experiences. For the CEE Forum 16 submissions were received and 6 full and 2 short papers were accepted for publication. The book also contains one invited talk in full-paper length and 6 poster papers from the CEE Forum.

*Enterprise Interoperability* Raúl Poler 2009-10-13 One of the trends in the global market is the increasing collaboration among enterprises. Constant changes in inter- and intra-organizational environments will persist in the future. Organizations have to flexibly and continuously react to (imminent) changes in markets and trading partners. Large companies but also SMEs have to cope with internal changes from both a technical (e.g., new information, communication, software and hardware technologies) and an organizational point of view (e.g., merging, re-organization, virtual organizations, etc.). In this context, the competitiveness of an enterprise depends not only on its internal performance to produce products and services, but also on its ability to seamlessly interoperate with other enterprises. External and internal collaborative work needs more interoperable solutions. The International Workshop on Enterprise Interoperability, IWEI, aims at identifying and discussing challenges and solutions with respect to enterprise interoperability, both at the business and the technical level. The workshop promotes the development of a scientific foundation for specifying, analyzing and validating interoperability solutions; an architectural framework for addressing interoperability problems from different viewpoints and at different levels of abstraction; a maturity model to evaluate and rank

interoperability solutions with respect to distinguished quality criteria; and a working set of practical solutions and tools that can be applied to interoperability problems to date. IWEI is organized by the IFIP Working Group 5.8 on Enterprise Interoperability.

**Software Business** Eriks Klotins 2021-01-21 This book constitutes the refereed proceedings of the 11th International Conference on Software Business, ICSOB 2020, which was held during November 16-18, 2020. The conference was originally planned to take place in Karlskrona, Sweden, but changed to an online format due to the COVID-19 pandemic. The 13 full papers and 5 short papers presented were carefully reviewed and selected from 39 submissions. They deal with a range of topics including practices for engineering and marketing software-intensive products, extracting business value from machine learning based software components, ethical considerations of the software business, software ecosystems, and pedagogy of teaching entrepreneurship and software business.

**Resource Management and Efficiency in Cloud Computing Environments** Turuk, Ashok Kumar 2016-11-08 Today's advancements in technology have brought about a new era of speed and simplicity for consumers and businesses. Due to these new benefits, the possibilities of universal connectivity, storage and computation are made tangible, thus leading the way to new Internet-of Things solutions. Resource Management and Efficiency in Cloud Computing Environments is an authoritative reference source for the latest scholarly research on the emerging trends of cloud computing and reveals the benefits cloud paths provide to consumers. Featuring coverage across a range of relevant perspectives and topics, such as big data, cloud security, and utility computing, this publication is an essential source for researchers, students and professionals seeking current research on the organization and productivity of cloud computing environments.

**Enterprise Architecture Patterns** Thierry Perroud 2013-07-19 Every enterprise architect faces similar problems when designing and governing the enterprise architecture of a medium to large enterprise. Design patterns are a well-established concept in software engineering, used to define universally applicable solution schemes. By applying this approach to enterprise architectures, recurring problems in the design and implementation of enterprise architectures can be solved over all layers, from the business layer to the application and data layer down to the technology layer. Inversini and Perroud describe patterns at the level of enterprise architecture, which they refer to as Enterprise Architecture Patterns. These patterns are motivated by recurring problems originating from both the business and the underlying application, or from data and technology architectures of an enterprise such as identity and access management or integration needs. The Enterprise Architecture Patterns help in planning the technological and organizational landscape of an enterprise and its information technology, and are easily embedded into frameworks such as TOGAF, Zachman or FEA. This book is aimed at enterprise architects, software architects, project leaders, business consultants and everyone concerned with questions of IT and enterprise architecture and provides them with a comprehensive catalogue of ready-to-use patterns as well as an extensive theoretical framework to define their own new patterns.

**e-Infrastructure and e-Services for Developing Countries** Amos Nungu 2015-04-20 This book constitutes the thoroughly refereed proceedings of the 6th International Conference on e-Infrastructure and e-Services for Developing Countries, AFRICOMM 2014, held in Kampala, Uganda, November 24-25, 2014. The 31 revised full papers were carefully selected from 57 submissions and cover topics such as communication infrastructure, health, IoT, cloud computing and TVWS, ICT4D applications, access to information, and ICT4D miscellaneous.

**Global Business Expansion: Concepts, Methodologies, Tools, and Applications** Management Association, Information Resources 2018-04-06 As businesses seek to compete on a global stage, they must be constantly aware of pressures from all levels: regional, local, and worldwide. The organizations that can best build advantages in diverse environments achieve the greatest success. Global Business Expansion: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on the emergence of new ideas and opportunities in various markets and provides organizational leaders with the tools they need to be successful. Highlighting a range of pertinent topics such as market entry strategies, transnational organizations, and competitive advantage, this multi-volume book is ideally designed for researchers, scholars, business executives and professionals, and graduate-level business students.

**From Enterprise Architecture to IT Governance** Klaus D. Niemann 2007-08-19 This book shows its readers how to achieve the goal of genuine IT governance. The key here is the successful development of enterprise architecture as the necessary foundation. With its capacity to span and integrate business procedures, IT applications and IT infrastructure, enterprise architecture opens these areas up to analysis and makes them rich sources of critical data. Enterprise architecture thereby rises to the status of a crucial management information system for the CIO. The focused analysis of the architecture (its current and future states) illuminates the path to concrete IT development planning and the cost-effective and beneficial deployment of IT. Profit from the author's firsthand experience - proven approaches firmly based in enterprise reality.

**Advances in Enterprise Engineering III** Antonia Albani 2009-06-04 In the era of continuous changes in internal organizational settings and external business environments - such as new regulations and business opportunities - modern enterprises are subject to extensive research and study. For the understanding, design, and engineering of modern enterprises and their complex business processes, the discipline of enterprise engineering requires sound engineering principles and systematic approaches based on rigorous theories. Along with that, a paradigm shift seems to be needed for addressing these issues adequately. The main paradigm shift is the consideration of an enterprise and its business processes as a social system. In its social setting, an enterprise and its business processes represent actors

with certain authorities and assigned roles, who assume certain responsibilities in order to provide a service to its environment. Second to that, a paradigm shift is to look at an enterprise as an artifact purposefully designed for a certain mission and goal. The need for this paradigm shift, along with the complexity and agility of modern enterprises, gives inspiration for the emerging discipline of enterprise engineering that requires development of new theories and methodologies. To this end, the prominent methods and tools of modeling and simulation play a significant role. Both (conceptual) modeling and simulation are widely used for understanding, analyzing, and engineering an enterprise (its organization and business processes).

**Enterprise Architecture** Martin Op't Land 2008-12-03 This book is positioned as a first in a series of books on enterprise architecture needed for a Master of Enterprise Architecture program, and is targeted both at university students and practitioners with a drive to increase their understanding of these fields. As an introductory book, this book aims to explore the concept of enterprise architecture. At first glance, writing such an introductory book might seem as a straight forward task of setting up a structure and filling in "the blanks." However, writing this book turned out to be a pleasant journey of discovery. Based on our past experiences, each of us had a clear understanding of enterprise architecture, based on several years of experience and insight in the field. However, when we started writing this book, and each of us exposed our individual understandings, it became apparent that our understanding of the field differed in several ways. This prompted several discussions leading to an abundance of new insights. Without exception, these discussions took place in a pleasant and open atmosphere, fueled by our shared drive for understanding and increased insight. We are now even more convinced than before, that the field of enterprise architecture is a true multi-disciplinary profession. In the resulting book, we would like to share our insights, while also hoping to continue our discussions, now also involving you as a reader. We also realize that the journey is still far from complete. While this introductory book provides an overview of the field of enterprise architecture from the perspective of our insights, many aspects need further refinement.

**Practice-Driven Research on Enterprise Transformation** Frank Harmsen 2010-10-29 This volume constitutes the proceedings of the Second Working Conference on Practice-Driven Research on Enterprise Transformation (PRET), held in Delft, The Netherlands, on November 11, 2010. PRET acts as a platform to bridge the gap between theory and practice, and strives for synergy and cross-fertilization between industry and academia. Thus all authors have been asked to combine theory and practice by using real-life case studies and referring to practical experiences. The 9 papers presented were carefully reviewed and selected from 24 submissions, and are grouped in three sections on situational transformation; portfolio, program and project management; and enterprise architecture to align business and IT.

**Enterprise and Organizational Modeling and Simulation** Joseph Barjis 2010-10-19 Enterprises of the 21st century are crucial components in delivering services to society and contributing to economic prosperity. Service is delivered when an enterprise is conducting its business within its business environment. With the growing complexity of modern business processes and continuously changing business environment, enterprise study (enterprise engineering) requires profound engineering approaches with properties such as ability for reengineering, scalability, adaptability, and reimplementation. Enterprises are purposefully designed and implemented systems to fulfill certain functions. As any system, enterprises are objects of continuous improvements, redesign and reimplementation. Usually, a redesigning activity is triggered by changes in the business environment, where the enterprise is functioning (delivering its service), or an internal need for efficiency. The departure point for any design or redesign activity pertinent to an enterprise is first to understand the enterprise business processes. Therefore, in the overall enterprise engineering activities, business process modeling plays a central role. However, an extended enterprise and organizational study involves both analysis and design activities, in which modeling and simulation play prominent roles. The growing role of modeling and simulation attracts serious attention of researchers in the context of enterprises. Modeling and simulation are the tools and methods that are effective, efficient, economic, and widely used in enterprise engineering, organizational study, and business process management. Complementary insights of modeling and simulation in enterprise engineering constitute a whole cycle of study of these complex sociotechnical system enterprises.

**Enterprise Architecture for Global Companies in a Digital IT Era** Yoshimasa Masuda 2019-02-05 This book investigates solutions incorporated by architecture boards in global enterprises to resolve issues and mitigate related architecture risks, while also proposing and implementing an adaptive integrated digital architecture framework (AIDAF) and related models and approaches/platforms, which can be applied in companies to promote IT strategies using cloud/mobile IT/digital IT. The book is divided into three main parts, the first of which (Chapters 1-2) addresses the background and motivation for AIDAF in connection with IT strategies for cloud/mobile IT/digital IT. The second part (Chapter 3) provides an overview of strategic enterprise architecture (EA) frameworks and related models in the era of digital IT, elaborates on the essential elements of EA frameworks in the era of cloud/mobile IT/digital IT, and advocates using AIDAF and related models for architecture assessment/risk management and knowledge management on digital platforms. In turn, the third part (Chapters 4-7) demonstrates the application and benefits of AIDAF and several related approaches/models, as shown in three case studies. "I found this book to be a very nice contribution to the EA community of practice. I can recommend this book as a textbook for digital IT strategists/practitioners, EA practitioners, students in universities and graduate schools." (From the Foreword by Scott A. Bernard) "In this new age of the digital information society, it is necessary to advocate a new EA framework. This book provides state-of-the-art knowledge and practices about EA frameworks beneficial for IT practitioners, IT strategists, CIO, IT architects, and even students. It serves as an introductory textbook for all who drive the information society in this era." (From the Foreword by Jun Murai)

**Designing Enterprise Architecture Frameworks** Liviu Gabriel Cretu 2016-04-19 This book gathers together a critical body of knowledge on what enterprise architecture (EA) is and how it can be used to better organize the functions of systems across an enterprise for an effective business-IT alignment. The chapters provide a solid foundation for a cross-disciplinary professional practice.

**Security Management in Mobile Cloud Computing** Munir, Kashif 2016-08-01 Mobile Cloud Computing (MCC) has experienced explosive growth and is expected to continue to rise in popularity as new services and applications become available. As with any new technology, security issues continue to be a concern and developing effective methods to protect sensitive information and data on the cloud is imperative. Security Management in Mobile Cloud Computing explores the difficulties and challenges of securing user data and information on mobile cloud platforms. Investigating a variety of protocols and architectures that can be used to design, create, and develop security mechanisms, this publication is an essential resource for IT specialists, researchers, and graduate-level students interested in mobile cloud computing concepts and security.

**Service-Oriented Computing - ICSOC 2008 Workshops** George Feuerlicht 2009-04-21 This book constitutes the thoroughly refereed papers presented at five international workshops held in conjunction with the 6th International Conference on Service-Oriented Computing, ICSOC 2008, in Sydney, Australia, in December 2008. The volume contains 41 reviewed and improved papers presented at the 4th International Workshop on Engineering Service-Oriented Applications (WESOA 2008), the Second International Workshop on Web APIs and Services Mashups (Mashups 2008), the First International Workshop on Quality-of-Service Concerns in Service Oriented Architectures (QoS-CSOA 2008), the First Workshop on Enabling Service Business Ecosystems (ESBE 2008), and the Third International Workshop on Trends in Enterprise Architecture Research (TEAR 2008). The papers offer a wide range of hot topics in service-oriented computing: management and analysis of SOA processes; development of mashups; QoS and trust models in service-oriented multi-agent systems; service ecosystems, service standardization, and evolutionary changes of Web services; governance aspects of SOA, enterprise models and architectures.

**Architectural Coordination of Enterprise Transformation** Henderik A. Proper 2018-04-05 Architectural coordination of enterprise transformation (ACET) integrates and aggregates local information and provides different viewpoints, such as financial, structural, or skill perspectives to the respective stakeholder groups, with the aim of creating a consensus and shared understanding of an enterprise transformation among the stakeholders. Its core purpose is to inform decision-makers with both local and enterprise-wide concerns so that the overall transformation goals can be successfully pursued, i.e. reducing inconsistencies and including local decisions in the overarching goals. This book consists of three major parts, framed by an introduction and a summary. To enable readers to gain a better understanding of the issues involved in real-world enterprise transformations as well as the possible role of architectural coordination and the associated challenges, Part I provides an analysis of status quo of corporate ACET practice. Part II then continues with an exploration of the challenges facing ACET from a theoretical perspective. Based on these challenges, Part

III then presents a collection of components for a possible design theory for ACET. Instead of an integrated method, this collection of components constitutes method fragments that can be arranged in different ways depending on the perspective taken, the actual enterprise architecture management approach, the enterprise transformation type and the transformation's context.

**Enterprise Architecture at Work** Marc Lankhorst 2017-03-10 Lankhorst and his co-authors present ArchiMate® 3.0, enterprise modelling language that captures the complexity of architectural domains and their relations and allows the construction of integrated enterprise architecture models. They provide architects with concrete instruments that improve their architectural practice. As this is not enough, they additionally present techniques and heuristics for communicating with all relevant stakeholders about these architectures. Since an architecture model is useful not only for providing insight into the current or future situation but can also be used to evaluate the transition from 'as-is' to 'to-be', the authors also describe analysis methods for assessing both the qualitative impact of changes to an architecture and the quantitative aspects of architectures, such as performance and cost issues. The modelling language presented has been proven in practice in many real-life case studies and has been adopted by The Open Group as an international standard. So this book is an ideal companion for enterprise IT or business architects in industry as well as for computer or management science students studying the field of enterprise architecture. This fourth edition of the book has been completely reworked to be compatible with ArchiMate® 3.0, and it includes a new chapter relating this new version to other standards. New sections on capability analysis, risk analysis, and business architecture in general have also been introduced.

**Applying Business Capabilities in a Corporate Buyer M&A Process** Andreas Freitag 2014-10-01 As a first step towards applying Enterprise Architecture Management (EAM) in Mergers and Acquisitions (M&A), Andreas Freitag investigates the end-to-end applicability of business capabilities in the M&A process of a corporate buyer organization. Enterprises still struggle to manage M&A efficiently. A significant number of merger projects do not reach the expected goals or fail completely. Therefore, companies attempt to improve their M&A capability by establishing the required skills, organization, processes and methods. EAM is an approach for business and IT planning, promising to contribute to the success of business transformation challenges such as M&A. Business capability models are an essential element of a state of the art EAM approach. They are frequently used as a starting point to work collaboratively with business and IT stakeholders.

**SOA Source Book** The Open Group 2009-04-04 Software services are established as a programming concept, but their impact on the overall architecture of enterprise IT and business operations is not well-understood. This has led to problems in deploying SOA, and some disillusionment. The SOA Source Book adds to this a collection of reference material for SOA. It is an invaluable resource for enterprise architects working with SOA. The SOA Source Book will help enterprise architects to use SOA effectively. It explains: What SOA is How to evaluate SOA features in business terms How to model SOA How to use The Open Group Architecture Framework (TOGAF™) for SOA SOA governance This book explains how TOGAF can help to make an Enterprise Architecture. Enterprise Architecture is an approach that can help management to understand this growing complexity.