

Mastering Archimate Edition Ii

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**ArchiMate® 3.0.1 Specification R&a**  
This volume presents a series of carefully selected papers on the theme of Intelligent Interactive Multimedia Systems and Services (IIMSS-18), but also including contributions on Innovation in Medicine and Healthcare (InMed-18) and Smart Transportation Systems (STS-18). The papers were presented at the Smart Digital Futures 2018 multi-theme conference, which grouped the AMSTA, IDT, InMed, SEEL, STS and IIMSS conferences in one venue in Gold Coast, Australia in June 2018. IIMSS-18 included sessions on 'Cognitive Systems and Big Data Analytics', 'Data Processing and Secure Systems', 'Innovative Information Services for Advanced Knowledge Activity', 'Autonomous System' and ' Image Processing'. InMed-18 papers cover major areas of 'Digital Architecture for Internet of Things, Big data, Cloud and Mobile IT in Healthcare' and 'Advanced ICT for Medical and Healthcare'. STS-18 papers provide a comprehensive overview of various aspects of current research into intelligent transportation technology.  
**The Azure Cloud Native Architecture Mapbook**  
Independently Published  
Enterprise architecture defines a firm's needs for standardized tasks, job roles, systems, infrastructure, and data in core business processes. This book explains enterprise architecture's vital role in enabling - or constraining - the execution of business strategy. It provides frameworks, case examples, and more.

*Open Agile Architecture™* Digital  
Based on an extensive study of the actual industry best practices, this book provides a systematic conceptual description of an EA practice and offers practically actionable answers to the key questions related to enterprise architecture.  
*Intelligent Interactive Multimedia Systems and Services* Packt Publishing Ltd  
The ArchiMate(R) Specification, a standard of The Open Group, 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 3.1 modeling language from The Open Group. This edition of the standard includes a number of corrections, clarifications, and improvements to the previous edition, as well as several additions. The main changes between Version 3.0.1 and Version 3.1 of the ArchiMate Specification are listed below. In addition to these changes, various other minor improvements in definitions and other wording have been made: ?Introduced a new strategy element: value stream ?Added an optional directed notation for the association relationship ?Improved the organization of the metamodel and associated figures ?Further improved and formalized the derivation of relationships The intended audience is threefold: 1.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. 2.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.  
Mastering Microsoft Endpoint Manager Van Haren  
Mastering ArchiMate Edition 3.1 is the fourth edition of a much praised book about the ArchiMate(R) Enterprise Architecture Modeling Language, which is a standard and a Registered Trade Mark of The Open Group. The book gives an introduction to the language, then goes on to show you key aspects of successful modeling, and many different patterns for its use. From Business to Infrastructure, from Risk & Security to Application Exploitation and Maintenance. While the aim of the book is to teach the language, it often also offers necessary background, so that the patterns can make sense to the reader not familiar with a subject. Thus, it also contains introductions to subjects such as virtualization, bitcoin/blockchain, infrastructure as code, processes versus functions, SOA/API, ESB, Terminal Services, etc. It also contains a short introduction to BPMN(TM) in order to describe a linking of both major languages. Forewords by Marc Lankhorst and Jean-Baptiste Sarrodie. Gerben Wierda (1961) is author of Chess and the Art of Enterprise Architecture, and is Lead Architect at APG, one of the largest Fiduciary Managers in the world. Before, he was Lead Architect of the Judiciary of The Netherlands, and Lead Architect of APG Asset Management. He has overseen the construction of one of the largest single ArchiMate models in the world to date. He holds an M.Sc. in Physics from the University of Groningen and an MBA from RSM Erasmus, Rotterdam.

Chess and the Art of Enterprise Architecture Prentice Hall  
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 3.0.1 modeling language from The Open Group. ArchiMate 3.0.1 is a minor update to ArchiMate 3.0, containing the set of corrections from ArchiMate 3.0 Technical Corrigendum No. 1 (U172). This addresses inconsistencies and errors identified since the publication of Version 3.0 in June 2016.The ArchiMate Specification supports modeling throughout the TOGAF® Architecture Development Method (ADM). New features in Version 3 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.  
Architectural Diagrams Morgan Kaufmann  
Enterprise Architecture is the discipline of managing the complexities of the Business-IT landscape. It has been around since the 1980's, when for the first time computers were connected in networks, and the already serious (and unsolved) problem of the complexity of computer programs for relatively simple business needs turned into the huge problem of large networks of them in complex business landscapes. In spite of many 'best practices' and 'frameworks' that have been introduced, Enterprise Architecture is not a great success. After thirty years, we still have the same problems. Chaos is still everywhere. Projects still fail far too often. In this book, (hidden) assumptions behind the existing approaches to enterprise architecture are challenged, and a more realistic perspective that helps us battle the complexities and unpredictabilities of today's Business-IT landscapes is described. Practical suggestions about enterprise architecture governance and products, based on real-world experience with the described approach, complete the book. From general management to IT professionals, everyone who is confronted with the problem of managing Business-IT landscapes can profit from the insights this book offers. No specialist prior knowledge is required. Gerben Wierda is author of Mastering ArchiMate, and was, amongst other things, Lead Architect of the Judiciary in The Netherlands, Lead Architect of APG Asset Management, and is now Team Coordinator Architecture & Design at APG. He holds an M.Sc in Physics from the University of Groningen and an MBA from RSM Erasmus, Rotterdam.  
THE STRATEGY JOURNEY Van Haren  
The authors of the international bestseller Business Model Generation explain how to create value propositions customers can ’ t resist Value Proposition Design helps you tackle the core challenge of every business — creating compelling products and services customers want to buy. This highly practical book, paired with its online companion, will teach you the processes and tools you need to create products that sell. Using the same stunning visual format as the authors ’ global bestseller, Business Model Generation, this sequel explains how to use the “ Value Proposition Canvas ” to design, test, create, and manage products and services customers actually want. Value Proposition Design is for anyone who has been frustrated by new product meetings based on hunches and intuitions; it ’ s for anyone who has watched an expensive new product launch fail in the market. The book will help you understand the patterns of great value propositions, get closer to customers, and avoid wasting time with ideas that won ’ t work. You ’ ll learn the simple process of designing and testing value propositions, that perfectly match customers ’ needs and desires. In addition the book gives you exclusive access to an online companion on Strategyzer.com. You will be able to assess your work, learn from peers, and download pdfs, checklists, and more. Value Proposition Design is an essential companion to the ” Business Model Canvas ” from Business Model Generation, a tool embraced globally by startups and large corporations such as MasterCard, 3M, Coca Cola, GE, Fujitsu, LEGO, Colgate-Palmolive, and many more. Value Proposition Design gives you a proven methodology for success, with value propositions that sell, embedded in profitable business models." Value Proposition Design John Wiley & Sons  
Third edition of the much praised introduction and in-depth book that teaches the leading enterprise architecture modeling language ArchiMate 3.

Includes explanations for many subjects that are modeled, such as SOA/API, ESB, Bitcoin/blockchain, Infrastructure as Code, etc. Also contains a BPMN primer. With 380 diagrams.  
CBAP / CCBA Certified Business Analysis Study Guide Van Haren  
Practical Software Architecture Solutions from the Legendary Robert C. Martin ( “ Uncle Bob ” ) By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books Clean Code and The Clean Coder, legendary software craftsman Robert C. Martin ( “ Uncle Bob ” ) reveals those rules and helps you apply them. Martin ’ s Clean Architecture doesn ’ t merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you ’ ve come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you ’ ll face — the ones that will make or break your projects. Learn what software architects need to achieve — and core disciplines and practices for achieving it Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what ’ s critically important and what ’ s merely a “ detail ” Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures Clean Architecture is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager — and for every programmer who must execute someone else ’ s designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.  
Introduction to Solution Architecture Dom Publishers  
TOGAF is a framework - a detailed method and a set of supporting tools - for developing an enterprise architecture, developed by members of The Open Group Architecture Forum. TOGAF Version 9.1 is a maintenance update to TOGAF 9, addressing comments raised since the introduction of TOGAF 9 in 2009. It retains the major features and structure of TOGAF 9, thereby preserving existing investment in TOGAF, and adds further detail and clarification to what is already proven.It may be used freely by any organization wishing to develop an enterprise architecture for use within that organization (subject to the Conditions of Use). This Book is divided into seven parts: Part I - Introduction This part provides a high-level introduction to the key concepts of enterprise architecture and in particular the TOGAF approach. It contains the definitions of terms used throughout TOGAF and release notes detailing the changes between this version and the previous version of TOGAF. Part II - Architecture Development Method This is the core of TOGAF. It describes the TOGAF Architecture Development Method (ADM) — a step-by-step approach to developing an enterprise architecture. Part III - ADM Guidelines & Techniques This part contains a collection of guidelines and techniques available for use in applying TOGAF and the TOGAF ADM. Part IV - Architecture Content Framework This part describes the TOGAF content framework, including a structured metamodel for architectural artifacts, the use of re-usable architecture building blocks, and an overview of typical architecture deliverables. Part V - Enterprise Continuum & Tools This part discusses appropriate taxonomies and tools to categorize and store the outputs of architecture activity within an enterprise. Part VI - TOGAF Reference Models This part provides a selection of architectural reference models, which includes the TOGAF Foundation Architecture, and the Integrated Information Infrastructure Reference Model (III-RM). Part VII Architecture Capability Framework This section looks at roles, Governance, compliance skills and much more practical guidance  
*要求開発の基礎知識* Springer Science & Business Media  
Improve your Azure architecture practice and set out on a cloud and cloud-native journey with this Azure cloud native architecture guide  
Key FeaturesDiscover the key drivers of successful Azure architectureImplement architecture maps as a compass to tackle any challengeUnderstand architecture maps in detail with the help of practical use casesBook Description Azure offers a wide range of services that enable a million ways to architect your solutions. Complete with original maps and expert analysis, this book will help you to explore Azure and choose the best solutions for your unique requirements. Starting with the key aspects of architecture, this book shows you how to map different architectural perspectives and covers a variety of use cases for each architectural discipline. You'll get acquainted with the basic cloud vocabulary and learn which strategic aspects to consider for a successful cloud journey. As you advance through the chapters, you'll understand technical considerations from the perspective of a solutions architect. You'll then explore infrastructure aspects, such as network, disaster recovery, and high availability, and leverage Infrastructure as Code (IaC) through ARM templates, Bicep, and Terraform. The book also guides you through cloud design patterns, distributed architecture, and ecosystem solutions, such as Dapr, from an application architect's perspective. You'll work with both traditional (ETL and OLAP) and modern data practices (big data and advanced analytics) in the cloud

and finally get to grips with cloud native security. By the end of this book, you'll have picked up best practices and more rounded knowledge of the different architectural perspectives. What you will learnGain overarching architectural knowledge of the Microsoft Azure cloud platformExplore the possibilities of building a full Azure solution by considering different architectural perspectivesImplement best practices for architecting and deploying Azure infrastructureReview different patterns for building a distributed application with ecosystem frameworks and solutionsGet to grips with cloud-native concepts using containerized workloadsWork with AKS (Azure Kubernetes Service) and use it with service mesh technologies to design a microservices hosting platformWho this book is for This book is for aspiring Azure Architects or anyone who specializes in security, infrastructure, data, and application architecture. If you are a developer or infrastructure engineer looking to enhance your Azure knowledge, you'll find this book useful.

TOGAF® 9 Certified Study Guide - 2nd Edition R&a

要求開発の基礎知識として、要求抽出、要求分析、要求仕様化、要求確認、要求管理からなる要求開発プロセスとそこで必要となる技法を解説します。ITシステムの要求開発に携わる技術者ならびに、情報科学系の学生には是非とも目を通していただきたい1冊です。【目次】第1章 要求開発の基礎知識の構成 1.1 IREBの概要 / 1.2 要求開発の必要性 / 1.3 要求工学の基礎技法 第2章 要求開発プロセス 2.1 概要 / 2.2 要求と仕様 / 2.3 要求工学プロセスの基本モデル / 2.4 ISO/IEC/IEEE 29148 要求工学プロセス / 2.5 要求工学プロセスの比較 / 2.6 まとめ 第3章 要求抽出 3.1 概要 / 3.2 要求抽出の位置づけ / 3.3 要求抽出の課題 / 3.4 システム コンテキスト(EU2) / 3.5 要求の種類 / 3.6 要求の情報源(EU3.1) / 3.7 抽出された要求の分類(EU3.2) / 3.8 要求抽出手法 / 3.9 まとめ 第4章 要求分析 4.1 概要 / 4.2 要求分析の活動 / 4.3 要求分析の確認項目 / 4.4 要求分析プロセス / 4.5 概念モデリング / 4.6 まとめ 第5章 要求仕様化 5.1 概要 / 5.2 要求文書構造の種類 / 5.3 要求仕様書の構成 / 5.4 要求間の関係 / 5.5 要求記述項目 / 5.6 要求記述テンプレート / 5.7 要求品質文書 / 5.8 要求文書化の留意点 / 5.9 まとめ 第6章 要求確認 6.1 概要 / 6.2 合意形成(EU7.2, EU7.6) / 6.3 確認原則(EU7.4) / 6.4 品質基準(EU4.6, EU7.3) / 6.5 確認手法(EU7.5) / 6.6 要求確認能力 / 6.7 まとめ 第7章 要求管理 7.1 要求管理 / 7.2 要求変化 / 7.3 要求属性(EU8.1) / 7.4 要求変更管理(EU8.6) / 7.5 まとめ 第8章 モデリング技法 8.1 概要 / 8.2 課題分析表 / 8.3 ゴールモデル / 8.4 BMC / 8.5 BPMN / 8.6 ArchiMate / 8.7 実体関連図 / 8.8 クラス図 / 8.9 データフロー図 / 8.10 ユースケース / 8.11 アクティビティ図 / 8.12 状態図 / 8.13 シーケンス図 付録 付録1 事例「救急時対応サービス」 / 付録2 エンタープライズ アーキテクチャ / 付録3 ArchiMate の概要 / 付録4 要求仕様化能力評価指標 / 参考文献

Clean Architecture Springer Science & Business Media

Putting capability management into practice requires both a solid theoretical foundation and realistic approaches. This book introduces a development methodology that integrates business and information system development and run-time adjustment based on the concept of capability by presenting the main findings of the CaaS project – the Capability-Driven Development (CDD) methodology, the architecture and components of the CDD environment, examples of real-world applications of CDD, and aspects of CDD usage for creating business value and new opportunities. Capability thinking characterizes an organizational mindset, putting capabilities at the center of the business model and information systems development. It is expected to help organizations and in particular digital enterprises to increase flexibility and agility in adapting to changes in their economic and regulatory environments. Capability management denotes the principles of how capability thinking should be implemented in an organization and the organizational means. This book is intended for anyone who wants to explore the opportunities for developing and managing context-dependent business capabilities and the supporting business services. It does not require a detailed understanding of specific development methods and tools, although some background knowledge and experience in information system development is advisable. The individual chapters have been written by leading researchers in the field of information systems development, enterprise modeling and capability management, as well as practitioners and industrial experts from these fields.

Capability Management in Digital Enterprises NYU Press

An enterprise architecture tries to describe and control an organisation 's structure, processes, applications, systems and techniques in an integrated way. The unambiguous specification and description of components and their relationships in such an architecture requires a coherent architecture modelling language. Lankhorst and his co authors present such an 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.

The Practice of Enterprise Modeling Van Haren

How to navigate your strategy journey in business using a five model framework and methodology that teaches you to play 'SMART' and 'win' in the game of business and career ascension.

Enterprise Architecture at Work Springer Nature

This textbook provides a hands-on introduction to enterprise architecture management. It guides the reader through the applications of methods and tools to typical business problems by presenting enterprise architecture frameworks and by sharing experiences from industry. The structure of the book represents the typical stages of the journey of an enterprise architect. Chapter 1 addresses the central question of what to achieve with the introduction of an enterprise architecture. Chapter 2 then introduces concepts and visualizations for business architecture that help with understanding the business. In chapter 3 the development of an application architecture is outlined, which provides transparency on information systems and their business context. Next, chapter 4 presents visual tools to analyze, improve and eventually optimize the application landscape. Chapter 5 discusses both traditional organizational as well as collaborative approaches to enterprise architecture management. Eventually, several established enterprise architecture frameworks like TOGAF, Zachmann, ArchiMate, and IAF are described in chapter 6. The book concludes with a summary and an outlook on future research potential in chapter 7. Based on their experiences through several years of teaching, the authors introduce students step-by-step to enterprise architecture development and management. Their book is intended as a guide for master classes at universities and includes lots of exercises and references for further reading.

TOGAF® Version 9.1 Van Haren

The bestselling CBAP/CCBA study guide, updated for exam v3.0 The CBAP/CCBA Certified Business Analysis Study Guide, Second Edition offers 100% coverage of all exam objectives for the Certified Business Analysis Professional (CBAP) and Certification of Competency in Business Analysis (CCBA) exams offered by the International Institute of Business Analysis (IIBA). Detailed coverage encompasses all six knowledge areas defined by the Guide to Business Analysis Body of Knowledge (BABOK): Planning and Monitoring, Elicitation, Requirements Management and Communication, Enterprise Analysis, Requirements Analysis, and Solution Assessment and Validation, including expert guidance toward all underlying competencies. Real-world scenarios help you align your existing experience with the BABOK, and topic summaries, tips and tricks, practice questions, and objective-mapping give you a solid framework for success on the exam. You also gain access to the Sybex interactive learning environment, featuring review questions, electronic flashcards, and four practice exams to help you gauge your understanding and be fully prepared exam day. As more and more organizations seek to streamline production models, the demand for qualified Business Analysts is growing. This guide provides a personalized study program to help you take your place among those certified in essential business analysis skills. Review the BABOK standards and best practices Master the core Business Analysis competencies Test your preparedness with focused review questions Access CBAP and CCBA practice exams, study tools, and more As the liaison between the customer and the technical team, the Business Analyst is integral to ensuring that the solution satisfies the customer's needs. The BABOK standards codify best practices for this essential role, and the CBAP and CCBA certifications prove your ability to perform them effectively. The CBAP/CCBA Certified Business Analysis Study Guide, Second Edition provides thorough preparation customizable to your needs, to help you maximize your study time and ensure your success.

ArchiMate® 2 Certification Study Guide Van Haren

ArchiMate®, an Open Group Standard, is an open and independent modelling language for Enterprise Architecture that is supported by different tool vendors and consulting firms. ArchiMate provides instruments to enable enterprise architects to describe, analyze, and visualize the relationships among business domains in an unambiguous way. This book provides the official specification of ArchiMate 2.1 from The Open Group. ArchiMate 2.1 is a maintenance update to ArchiMate 2.0, addressing comments raised since the introduction of ArchiMate 2.0 in 2012. The ArchiMate 2.1 Standard supports modelling throughout the TOGAF® Architecture Development Method (ADM). The intended audience is threefold: Enterprise Architecture practitioners, such as architects (e.g. 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 ArchiMate 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.

Enterprise Ontology John Wiley & Sons

This book is positioned as a rst 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 elds. As an introductory book, this book aims to explore the concept of enterprise architecture. At rst glance, writing such an introductory book might seem as a straight forward task of setting up a structure and lling 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 eld. However, when we started writing this book, and each of us exposed our individual understandings, it became apparent that our understanding of the eld differed in several ways. This prompted several discussions leading to an abundance of new insights. Without exception, thesediscussionstookplaceina pleasantandopenatmosphere,fueledbyourshared driveforunderstandingandincreasedinsight. Wearenowevenmoreconvincedthan before, that the eld 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 realise that the journey is still far from complete. While this introductory book provides an overview of the eld of enterprise architecture from the perspective of our insights, many aspects need further re nement.