Togaf Solution Concept Diagram

Modeling Enterprise Architecture with TOGAFA Practical Guide Using UML and BPMNMorgan Kaufmann

A critical part of any company's successful strategic planning is the creation of an Enterprise Business Architecture (EBA) with its formal linkages. Strategic research and analysis firms have recognized the importance of an integrated enterprise architecture and they have frequently reported on its increasing value to successful companies. Enterpr

Modeling Enterprise Architecture with TOGAF explains everything you need to know to effectively model enterprise architecture with The Open Group Architecture Framework (TOGAF), the leading EA standard. This solution-focused reference presents key techniques and illustrative examples to help you model enterprise architecture. This book describes the TOGAF standard and its structure, from the architecture transformation method to governance, and presents enterprise architecture modeling practices with plenty of examples of TOGAF deliverables in the context of a case study. Although widespread and growing quickly, enterprise architecture is delicate to manage across all its dimensions. Focusing on the architecture transformation method, TOGAF provides a wide framework, which covers the repository,

governance, and a set of recognized best practices. The examples featured in this book were realized using the open source Modelio tool, which includes extensions for TOGAF. Includes intuitive summaries of the complex TOGAF standard to let you effectively model enterprise architecture Uses practical examples to illustrate ways to adapt TOGAF to the needs of your enterprise Provides model examples with Modelio, a free modeling tool, letting you exercise TOGAF modeling immediately using a dedicated tool Combines existing modeling standards with TOGAF

Solution architecture is concerned with the design and definition of (information technology) solutions so they can be subsequently implemented, used, operated and supported securely and efficiently. The solution exists to operate business processes in order to achieve business objectives, meet a business need and deliver business value. Solution architecture is concerned with engaging with the originating business function looking for the solution to create a solution vision and design a solution that meet their needs, subject to a range of constraints such as cost and affordability, time to deliver and organisational standards. The solution must exist as a coherent whole.Solutions must be designed consistently across the solution landscape and make optimum use of appropriate technologies. Solution architecture must focus on creating usable and useful solutions.

Solution architecture must have a standard reliable approach to business engagements and the design of solution that emerge from them. Solution architecture must work collaboratively with other information technology functions - other architecture roles, business analysis and service management - to ensure continuity along the solution delivery journey.Effective solution architecture involves: -Have a depth and breadth of solution delivery and technical experience to be able to identify solution design options quickly-Being able to understand the detail of the solution while maintaining a view of the wider (and higher) context of the business need for the solution and being able to explain both these views of sets of information-Being able to communicate effectively with all parties - technical and business - involved in the solution design and delivery journey, assist with decision-making, be realistic and make appropriate compromises and design choices in order to create the best solution design-Being able to apply technology appropriately and with selective innovation (and the desire to constantly acquire new knowledge and ways of applying technology)-Being involved in the solution delivery journey along its entire length-Being able to be the solution advocate and subject matter expertThis book is aimed at a variety of potential readers: -Existing solution architects who want to have a more theoretical and a broader understanding of their role-Existing or new managers of

solution architecture functions who want to create a high-performing practice within their organisations and who want to articulate the benefits and value solution architect can contribute to the information technology function and the wider business and the potential it can offer to the business organisation-Mangers of information technology functions who want to understand what solution architecture is, where it fits into the wider architecture context and disciplines and solution delivery and operation and the value it can contribute to both the information technology function and the wider business-Other information technology architects who want to understand how the architecture disciplines can work together to deliver value-Business analysts and managers of business analysis functions who want to understand how they can work more closely with the solution architecture function in order to provide the business with a better overall service-Other information technology personnel who want to move into solution architecture and who want to understand what it is-Consulting organisations and individuals who want to develop and offer value-adding solution architecture services
Enterprise Architecture at Work
Modeling Enterprise Architecture with TOGAF
Combining Business Process Management and Enterprise Architecture for Better Business Outcomes

Economics-Driven Software Architecture
The Turning Point: A Novel about Agile Architects Building a Digital Foundation
Aligning Principles, Practices, and Culture
Little did Kathleen, Chief Architect at ArchiSurance, know, as she walked into a meeting with the CIO, just how much her job was going to change. Her intention had been to get approval for some new ideas she'd had to strengthen their Enterprise Architecture, after having slowly lost a grip on it during the merger. During the meeting, however, it becomes apparent that the transformation of the organization to become more digital has caused chaos, and not only for her team. It is clear, despite all good intentions, that the transformation is failing. By the end of the meeting, she has agreed to help turn the situation around. After leading the initial reset of the Digital Transformation, Kathleen is suddenly the owner of the implementation. What follows is a journey of the typical problems faced by companies as they make decisions to deploy digital technologies. Kathleen proceeds to solve one problem after the other using guidance from the open digital standards

of The Open Group to lay the foundation for deploying quality digital technology solutions at a faster pace.
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.
For many decades, IT infrastructure has provided the foundation for successful application deployment. Yet, general knowledge of infrastructures is still not widespread. Experience shows that

software developers, system administrators, and project managers often have little knowledge of the big influence IT infrastructures have on the performance, availability and security of software applications. This book explains the concepts, history, and implementation of IT infrastructures. Although many of books can be found on individual infrastructure building blocks, this is the first book to describe all of them: datacenters, servers, networks, storage, virtualization, operating systems, and end user devices. Whether you need an introduction to infrastructure technologies, a refresher course, or a study guide for a computer science class, you will find that the presented building blocks and concepts provide a solid foundation for understanding the complexity of today's IT infrastructures.
The Open Group Architecture Framework (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 (www.opengroup.org/architecture).As a comprehensive, open method for enterprise architecture, TOGAF Version 9 complements, and can be used in conjunction with,

other frameworks that are more focused on specific aspects of architecture or for vertical sectors such as Government, Defense, and Finance.TOGAF 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 main 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 part discusses the organization, processes, skills, roles, and responsibilities required to establish and operate an architecture function within an enterprise.
Archimate(r) 3.1 Specification
TOGAF® Version 9.1 A Pocket Guide
Become a successful software architect by implementing effective architecture concepts
TOGAF® 9 Foundation Study Guide – 4th Edition
ArchiMate® 3.0.1 Specification
Enterprise Application Architecture with .NET Core

This book presents the most current information on distributed object management; a synthesis between systems and object orientation. It

will be of interest to researchers in the field.
Economics-driven Software Architecture presents a guide for engineers and architects who need to understand the economic impact of architecture design decisions: the long term and strategic viability, cost-effectiveness, and sustainability of applications and systems. Economics-driven software development can increase quality, productivity, and profitability, but comprehensive knowledge is needed to understand the architectural challenges involved in dealing with the development of large, architecturally challenging systems in an economic way. This book covers how to apply economic considerations during the software architecting activities of a project. Architecture-centric approaches to development and systematic evolution, where managing complexity, cost reduction, risk mitigation, evolvability, strategic planning and long-term value creation are among the major drivers for adopting such approaches. It assists the objective assessment of the lifetime costs and benefits of evolving systems, and the identification of legacy situations, where architecture or a component is indispensable but can no longer be evolved to meet changing needs at economic cost. Such consideration will form the scientific foundation for reasoning about the economics of nonfunctional requirements in the context of architectures and architecting. Familiarizes readers with essential considerations in

economic-informed and value-driven software design and analysis Introduces techniques for making value-based software architecting decisions Provides readers a better understanding of the methods of economics-driven architecting

The ultimate guide to successful interviews for Enterprise, Business, Domain, Solution, and Technical Architect roles as well as IT Advisory Consultant and Software Designer roles About This Book Learn about Enterprise Architects IT strategy and NFR – this book provides you with methodologies, best practices, and frameworks to ace your interview A holistic view of key architectural skills and competencies with 500+ questions that cover 12 domains 100+ diagrams depicting scenarios, models, and methodologies designed to help you prepare for your interview Who This Book Is For This book is for aspiring enterprise, business, domain, solution, and technical architects. It is also ideal for IT advisory consultants and IT designers who wish to interview for such a role. Interviewers will be able leverage this book to make sure they hire candidates with the right competencies to meet the role requirements. What You Will Learn Learn about IT strategies, NFR, methodologies, best practices, and frameworks to ace your interview Get a holistic view of key concepts, design principles, and patterns related to evangelizing web and Java enterprise applications Discover interview preparation guidelines through case

studies Use this as a reference guide for adopting best practices, standards, and design guidelines Get a better understanding with 60+ diagrams depicting various scenarios, models, and methodologies Benefit from coverage of all architecture domains including EA (Business, Data, Infrastructure, and Application), SA, integration, NFRs, security, and SOA, with extended coverage from IT strategies to the NFR domain In Detail An architect attends multiple interviews for jobs or projects during the course of his or her career. This book is an interview resource created for designers, consultants, technical, solution, domain, enterprise, and chief architects to help them perform well in interview discussions and launch a successful career. The book begins by providing descriptions of architecture skills and competencies that cover the 12 key domains, including 350+ questions relating to these domains. The goal of this book is to cover all the core architectural domains. From an architect's perspective, it is impossible to revise or learn about all these key areas without a good reference guide – this book is the solution. It shares experiences, learning, insights, and proven methodologies that will benefit practitioners, SMEs, and aspirants in the long run. This book will help you tackle the NFR domain, which is a key aspect pertaining to architecting applications. It typically takes years to understand the core concepts, fundamentals, patterns, and principles related to

architecture and designs. This book is a goldmine for the typical questions asked during an interview and will help prepare you for success! Style and approach This book will help you prepare for interviews for architectural profiles by providing likely questions, explanations, and expected answers. It is an insight-rich guide that will help you develop strategic, tactical, and operational thinking for your interview.

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.
TOGAF® Version 9.1
The TOGAF® Standard, 1Oth Edition – Architecture Development Method
It Infrastructure Architecture - Infrastructure Building Blocks and Concepts Second Edition
The TOGAF ® Standard, Version 9.2 - A Pocket Guide
Microservice Architecture

The Collapse of Complex Societies

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.

This book is intended for everyone in an organization who wishes to have a basic understanding of information security. Knowledge about information security is important to all employees. It makes no difference if you work in a profit- or non-profit organization because the risks that organizations face are similar for all organizations.It clearly explains the approaches that most organizations can consider and implement which helps turn Information Security management into an approachable, effective and well-understood tool. It covers: The quality requirements an organization may have for information; The risks associated with these quality requirements; The countermeasures that are necessary to mitigate these risks; Ensuring business continuity in the event of a disaster; When and whether to report incidents outside the organization.The information security concepts in this revised edition are based on the ISO/IEC27001:2013 and ISO/IEC27002:2013 standards. But the text also refers to the other relevant international standards for information security. The text is structured as follows: Fundamental Principles of Security and Information security and Risk management. Architecture, processes and information, needed for basic understanding of what information security is about. Business Assets are discussed. Measures that can be taken to protect information assets. (Physical measures, technical measures and finally the organizational measures.)The primary objective of this book is to achieve awareness by students who want to apply for a basic information security examination. It is a source of information for the lecturer who wants to question information security students about their knowledge. Each chapter ends with a case study. In order to help with the understanding and coherence of each subject, these case studies include

questions relating to the areas covered in the relevant chapters. Examples of recent events that illustrate the vulnerability of information are also included.This book is primarily developed as a study book for anyone who wants to pass the ISFS (Information Security Foundation) exam of EXIN. In an appendix an ISFS model exam is given, with feedback to all multiple choice options, so that it can be used as a training for the real ISFS exam.

For trainers free additional material of this book is available. This can be found under the "Training Material" tab. Log in with your trainer account to access the material.This title is a Study Guide for TOGAF® 9 Foundation. It gives an overview of every learning objective for the TOGAF 9 Foundation Syllabus and in-depth coverage on preparing and taking the TOGAF 9 Part 1 Examination. It is specifically designed to help individuals prepare for certification.This Study Guide is excellent material for:- Individuals who require a basic understanding of TOGAF 9;- Professionals who are working in roles associated with an architecture project such as those responsible for planning, execution, development, delivery, and operation; - Architects who are looking for a first introduction to TOGAF 9;- Architects who want to achieve Level 2 certification in a stepwise manner and have not previously qualified as TOGAF 8 Certified.A prior knowledge of enterprise architecture is advantageous but not required. While reading this Study Guide, the reader should also refer to the TOGAF Version 9.1 documentation (manual), available as hard copy and eBook, from www.vanharen.net and online booksellers, and also available online at www.opengroup.org.

This is the official Open Group Pocket Guide for TOGAF Version 9.1 and is published in

hard copy and electronic format by Van Haren Publishing on behalf of The Open Group. TOGAF®, an Open Group Standard, is a proven enterprise architecture methodology and framework used by the world's leading organizations to improve business efficiency. It is the most prominent and reliable enterprise architecture standard, ensuring consistent standards, methods, and communication among enterprise architecture professionals. Enterprise architecture professionals fluent in TOGAF standards enjoy greater industry credibility, job effectiveness, and career opportunities. TOGAF helps practitioners avoid being locked into proprietary methods, utilize resources more efficiently and effectively, and realize a greater return on investment.
Modelling, Communication and Analysis
Certified Enterprise Architect All-in-One Exam Guide
A Practical Guide Using UML and BPMN
Learn about the new TOGAF 9.2 Standard and prepare for the certification
The Enterprise Architecure Sourcebook Volume 1 - Process, Products and Frameworks
TOGAF® Version 9 - A Pocket Guide
This document is a compilation of two documents within the TOGAF® Standard. It has been developed and approved by The Open Group, and is part of the TOGAF Standard, 10th Edition. The two documents in this set are: TOGAF Standard — Architecture Content This document describes the TOGAF Content Framework and a structured metamodel for architectural artifacts, the use of re-usable Architecture Building Blocks (ABBs), and an

overview of typical architecture deliverables. TOGAF Standard — Enterprise Architecture Capability and Governance This document discusses the organization, processes, skills, roles, and responsibilities required to establish and operate an architecture function within an enterprise, and describes an Enterprise Architecture governance framework. The TOGAF Standard is intended for Enterprise Architects, Business Architects, IT Architects, Data Architects, Systems Architects, Solution Architects, and anyone responsible for the architecture function within an organization. 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.

The TOGAF® Standard, a standard of The Open Group, is a proven Enterprise Architecture methodology and framework used by the world's leading organizations to improve business efficiency. It is the most prominent and reliable Enterprise Architecture standard, ensuring consistent standards, methods, and communication among Enterprise Architecture professionals. Those professionals fluent in the TOGAF approach enjoy greater industry credibility, job effectiveness, and career opportunities. The TOGAF approach helps practitioners avoid being locked into proprietary methods, utilize resources more efficiently and effectively, and realize a greater return on investment.

For trainers free additional material of this book is available. This can be found under the "Training Material" tab. Log in with your trainer account to access the material.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 FrameworkThis section looks at roles, Governance, compliance skills and much more practical guidance

TOGAF® 9 Foundation Study Guide - 3rd Edition

FEAC Certified Enterprise Architect CEA Study Guide

Foundations of Information Security Based on ISO27001 and ISO27002 - 3rd revised edition

Applying Business Capabilities in a Corporate Buyer M&A Process

Introduction to Solution Architecture

Enterprise Architecture A to Z

This document is a compilation of three documents within the TOGAF® Standard. It has been developed and approved by The Open Group, and is part of the TOGAF Standard, 10th Edition. The three documents in this set are: • The TOGAF Standard — Architecture Development Method This document describes

the TOGAF Architecture Development Method (ADM) — an iterative approach to developing an Enterprise Architecture. • The TOGAF Standard — ADM Techniques This document contains a collection of techniques available for use in applying the TOGAF approach and the TOGAF ADM. • The TOGAF Standard — Applying the ADM This document contains guidelines for adapting the TOGAF ADM to address the specific style of architecture required in a practical context. The TOGAF Standard is intended for Enterprise Architects, Business Architects, IT Architects, Data Architects, Systems Architects, Solution Architects, and anyone responsible for the architecture function within an organization. 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.
A comprehensive guide to exploring software architecture concepts and implementing best practices Key Features Enhance your skills to grow your career as a software architect Design efficient software architectures using patterns and best practices Learn how software architecture relates to an organization as well as software development methodology Book Description The Software Architect's Handbook is a comprehensive guide to help developers, architects, and senior programmers advance their career in the software architecture domain. This book takes you through all the important concepts, right from design principles to different considerations at various stages of your career in software architecture. The book begins by covering the fundamentals, benefits, and purpose of software architecture. You will discover how software architecture relates to an organization, followed by identifying its significant quality attributes. Once you have covered the basics, you will explore design patterns, best practices, and paradigms for efficient software development. The book discusses which factors you need to consider for performance and security enhancements. You will learn to write documentation for your architectures and make appropriate decisions when considering DevOps. In addition to this, you will explore how to design legacy applications before understanding how to

create software architectures that evolve as the market, business requirements, frameworks, tools, and best practices change over time. By the end of this book, you will not only have studied software architecture concepts but also built the soft skills necessary to grow in this field. What you will learn Design software architectures using patterns and best practices Explore the different considerations for designing software architecture Discover what it takes to continuously improve as a software architect Create loosely coupled systems that can support change Understand DevOps and how it affects software architecture Integrate, refactor, and re-architect legacy applications Who this book is for The Software Architect's Handbook is for you if you are a software architect, chief technical officer (CTO), or senior developer looking to gain a firm grasp of software architecture.

"The only official study guide to CEA--the #1 vendor-neutral enterprise architecture certification Written and authorized by the FEAC Institute, FEAC Certified Enterprise Architect CEA Study Guide offers complete coverage of all the material on the Certified Enterprise Architect exam. This book features hands-on projects using all major frameworks and methodologies and also serves as a highly practical resource for today's enterprise architect responsible for commissioning, overseeing, and performing architecture work in the federal,

defense, and commercial sectors. FEAC Certified Enterprise Architect CEA Study Guide covers all objectives on the Certified Enterprise Architecture exam Includes CD-ROM with CEA-oriented Practicums and an e-book Helps you master the topics and skills required to pass the challenging CEA exam Serves as a comprehensive reference on all components of an enterprise architecture Covers the proprietary Department of Defense (DoD) Architecture Framework 2.0 Contains realistic models that can be applied immediately by a practitioner regardless of the type of organization (government, civilian, commercial, etc.) Demystifies U.S. federal documentation to provide actionable methodologies and best practices to create and maintain successful EAs In-depth coverage: EA Basic Concepts; Enterprise Architecting; Planning the EA; Implementing the EA; Disseminating the EA; Maintaining the EA; Governing the EA; Using the EA; EA Modeling; EA in Government (FEA and FSAM); EA in Defense (DoDAF and Variants); EA in the Commercial Sector; EA Tools and Repositories; Case Study: Civilian Airport"--
Software Architect's Handbook
The Enterprise Architecture Sourcebook, Volume 1, Second Edition
The TOGAF ® Standard, Version 9.2
SOA Source Book

Foundations for Steering the Enterprise-Wide Digital System
The Formal Link between Strategy and Results

This title is a Study Guide for TOGAF® 9 Foundation. It gives an overview of every learning objective for the TOGAF 9 Foundation Syllabus and in-depth coverage on preparing and taking the TOGAF 9 Part 1 Examination. It is specifically designed to help individuals prepare for certification.This Study Guide is excellent material for:• Individuals who require a basic understanding of the TOGAF 9 framework;• Professionals who are working in roles associated with an architecture project such as those responsible for planning, execution, development, delivery, and operation; • Architects who are looking for a first introduction to the TOGAF 9 framework;• Architects who want to achieve Level 2 certification in a stepwise manner. A prior knowledge of Enterprise Architecture is advantageous but not required. While reading this Study Guide, the reader should also refer to the TOGAF Standard, Version 9.2 documentation (manual), available as hard copy and eBook, from www.vanharen.net and online booksellers, and also available online at www.opengroup.org.

This is the official Open Group Pocket Guide for TOGAF Version 9 Enterprise Edition. This pocket guide is published by Van Haren Publishing on behalf of The Open Group. TOGAF, The Open Group Architectural Framework is a fast growing, worldwide accepted standard that can help organisations build their own Enterprise Architecture in a standardised way. This book explains why the in's and

out's of TOGAF in a concise manner. 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.

Architect and design highly scalable, robust, clean and highly performant applications in .NET Core About This Book Incorporate architectural soft-skills such as DevOps and Agile methodologies to enhance program-level objectives Gain knowledge of architectural approaches on the likes of SOA architecture and microservices to provide traceability and rationale for architectural decisions Explore a variety of practical use cases and code examples to implement the tools and techniques described in the book Who This Book Is For This book is for experienced .NET developers who are aspiring to become architects of enterprise-grade applications, as well as software architects who would like to leverage .NET to create effective blueprints of applications. What You Will Learn Grasp the important aspects and best practices of application lifecycle management Leverage the popular ALM tools, application insights, and their usage to monitor performance, testability, and optimization tools in an enterprise Explore various authentication models such as social media-based authentication, 2FA and OpenID Connect, learn authorization techniques Explore Azure with various solution approaches for Microservices and Serverless architecture along with Docker containers Gain knowledge about the recent market trends and practices and how they can be achieved with .NET Core and Microsoft tools and technologies In Detail If you want to design and develop enterprise applications using .NET Core

as the development framework and learn about industry-wide best practices and guidelines, then this book is for you. The book starts with a brief introduction to enterprise architecture, which will help you to understand what enterprise architecture is and what the key components are. It will then teach you about the types of patterns and the principles of software development, and explain the various aspects of distributed computing to keep your applications effective and scalable. These chapters act as a catalyst to start the practical implementation, and design and develop applications using different architectural approaches, such as layered architecture, service oriented architecture, microservices and cloud-specific solutions. Gradually, you will learn about the different approaches and models of the Security framework and explore various authentication models and authorization techniques, such as social media-based authentication and safe storage using app secrets. By the end of the book, you will get to know the concepts and usage of the emerging fields, such as DevOps, BigData, architectural practices, and Artificial Intelligence. Style and approach Filled with examples and use cases, this guide takes a no-nonsense approach to show you the best tools and techniques required to become a successful software architect.
Summary The TOGAF 9 certification program is a knowledge-based certification program. It has two levels, leading to certification for TOGAF 9 Foundation and TOGAF 9 Certified, respectively. The purpose of certification to TOGAF 9 Certified is to provide validation that, in addition to the knowledge and comprehension of TOGAF 9 Foundation level, the Candidate is able to analyze and apply this

knowledge. The learning objectives at this level therefore focus on application and analysis in addition to knowledge and comprehension.This Study Guide supports students in preparation for the TOGAF 9 Part 2 Examination, leading to TOGAF 9 Certified.This third edition contains minor updates to remove references to the TOGAF 8-9 Advanced Bridge Examination1 and also adds four bonus practice examination questions to Appendix B.It gives an overview of every learning objective for the TOGAF 9 Certified Syllabus beyond the Foundation level.
Togaf(r) 9 Foundation Study Guide - 4th Edition
Enterprise Business Architecture
TOGAF ® 9.2 Full Certification Training
Frameworks, Business Process Modeling, SOA, and Infrastructure Technology
Preparation for the TOGAF 9 Part 1 Examination
ArchiMate® 2.1 Specification
An update to the 1st Edition, the 2nd Edition of the Enterprise Architecture Sourcebook Volume 1 has been completely revised and updated. It addresses twelve of the most popular commercial, government, and defense-related architecture frameworks and the two standard architecture development approaches: product-centric and data-centric. It provides a comprehensive overview of the current state of architecture practice.
This is the official Pocket Guide for the TOGAF® Standard, Version 9.2, from The Open Group. It is published in hard copy and electronic formats by Van Haren Publishing. The TOGAF Standard, a standard of The Open Group, is a proven Enterprise Architecture methodology and framework

used by the world's leading organizations to improve business efficiency. It is the most prominent and reliable Enterprise Architecture standard, ensuring consistent standards, methods, and communication among Enterprise Architecture professionals. Those professionals who are fluent in the TOGAF approach enjoy greater industry credibility, job effectiveness, and career opportunities. The TOGAF approach helps practitioners avoid being locked into proprietary methods, utilize resources more efficiently and effectively, and realize a greater return on investment.

This effective study guide offers comprehensive coverage of topics comprising the enterprise architecture body of knowledge. The book provides detailed coverage and lays out actionable methodologies and best practices to create and maintain successful EA models, artifacts and building blocks. It helps prepare readers to take any of the various EA certification exams and academic courses in enterprise architecture. This highly effective self-study guide offers comprehensive coverage of all topics in the enterprise architecture body of knowledge. Written by a team of experienced academics, practitioners, and professionals, the book takes a holistic look at the practice of enterprise architecture. You will get actionable methodologies and best practices and learn how to develop, deploy, and maintain successful enterprise architecture models, artifacts, and building blocks. Designed to help you prepare for certification, the Certified Enterprise Architect All-in-One Exam Guide also serves as an essential on-the-job reference. Coverage includes:•Enterprise architecture foundation concepts•Planning the enterprise architecture•Enterprise architecture development, governance, and maintenance•Defense frameworks•Viewpoints and views•The Zachman Framework•The Open Group Architecture Framework (TOGAF)•The Common

Approach to Federal Enterprise Architecture•FEAF2•Comparison of frameworks•Case Study integrated throughout the text•And much more

This IBM® Redbooks® publication explains how to combine business process management (BPM) and Enterprise Architecture (EA) for better business outcomes. This book provides a unique synergistic approach to BPM and EA, based on a firm understanding of the life cycles of the enterprise and the establishment of appropriate collaboration and governance processes. When carried out together, BPM provides the business context, understanding, and metrics, and EA provides the discipline to translate business vision and strategy into architectural change. Both are needed for sustainable continuous improvement. This book provides thought leadership and direction on the topic of BPM and EA synergies. Although technical in nature, it is not a typical IBM Redbooks publication. The book provides guidance and direction on how to collaborate effectively across tribal boundaries rather than technical details about IBM software products. The primary audience for this book is leaders and architects who need to understand how to effectively combine BPM and EA to drive, as a key differentiator, continuous improvement and transformational change with enterprise scope.

Cracking the IT Architect Interview

The Open Group Architecture Framework TOGAF Version 9

Architectural Diagrams 1

The TOGAF® Standard, 10th Edition - Content, Capability, and Governance

Construction and Design Manual

Fundamentals of Enterprise Architecture Management

You can get certified as an enterprise architect with the TOGAF 9.2 certification exam, and this book will teach you what you need to know!This book helps you become certified in the TOGAF 9.2 specification. Through learning the Architecture Development Method (ADM), you will become better at designing systems. If you already architect software for a living, learning an official enterprise architecture framework such as this takes you to the next level of your career. Over 28,000 students bought the TOGAF® 9.1 version of this book. This new version has been completely redone, based on the latest changes to the standard.Welcome !

Microservices can have a positive impact on your enterprise—just ask Amazon and Netflix—but you can fall into many traps if you don't approach them in the right way. This practical guide covers the entire microservices landscape, including the principles, technologies, and methodologies of this unique, modular style of system building. You'll learn about the experiences of organizations around the globe that have successfully adopted microservices. In three parts, this book explains how these services work and what it means to build an application the Microservices Way. You'll explore a design-based approach to microservice architecture with guidance for implementing various elements. And you'll get a set of recipes and practices for meeting practical, organizational, and cultural challenges to microservice adoption. Learn how microservices can help you drive business objectives Examine the principles, practices, and culture that define microservice architectures Explore a model for creating complex systems and a design process for building a microservice architecture Learn the fundamental design concepts for individual microservices Delve

into the operational elements of a microservices architecture, including containers and service discovery Discover how to handle the challenges of introducing microservice architecture in your organization

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.
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 TOGAF® Standard, 10th Edition - ADM Practitioners' Guide

Distributed Object Management

Driven by the need and desire to reduce costs, organizations are faced with a set of decisions that require analytical scrutiny. Enterprise Architecture A to Z: Frameworks, Business Process Modeling, SOA, and Infrastructure Technology examines cost-saving trends in architecture planning, administration, and management. To establish a framework for discussion, this book begins by evaluating the role of Enterprise Architecture Planning and Service-Oriented Architecture (SOA) modeling. It provides an extensive review of the most widely deployed architecture framework models. In particular, the book discusses The Open Group Architecture Framework (TOGAF) and the Zachman Architectural Framework (ZAF) in detail, as well as formal architecture standards and all four layers of these models: the business architecture, the information architecture, the solution architecture, and the technology architecture. The first part of the text focuses on the upper layers of the architecture framework, while the second part focuses on the technology architecture. In this second section, the author presents an assessment of storage technologies and networking and addresses regulatory and security issues. Additional coverage

includes high-speed communication mechanisms such as Ethernet, WAN and Internet communication technologies, broadband communications, and chargeback models. Daniel Minoli has written a number of columns and books on the high-tech industry and has many years of technical hands-on and managerial experience at top financial companies and telecom/networking providers. He brings a wealth of knowledge and practical experience to these pages. By reviewing the strategies in this book, CIOs, CTOs, and senior managers are empowered by a set of progressive approaches to designing state-of-the-art IT data centers. Twenty-four examples of societal collapse help develop a new theory to account for their breakdown. Detailed studies of the Roman, Mayan and Cacoan collapses clarify the processes of disintegration.
This document is a TOGAF Series Guide: A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF ADM. It has been developed and approved by The Open Group, and is part of the TOGAF Standard, 10th Edition. Designed to help the Practitioner, it provides guidance on using the TOGAF framework to develop, maintain, and use an Enterprise Architecture. It is a companion to the TOGAF framework and is intended to bring the concepts and generic constructs in the TOGAF

framework to life. It puts forward an approach to develop, maintain, and use an Enterprise Architecture that aligns to a set of requirements and expectations of the stakeholders, and enables predictable value creation. This document: • Introduces key topics of concern • Describes the TOGAF Standard concepts related to the topic • Shows how it is related to developing, maintaining, and using an EA • Discusses what the Practitioner needs to know • Describes what the Practitioner should do with this knowledge It covers the following topics: • An introduction to the topic, including how to use this guide with the TOGAF framework and definitions • Guidance on Enterprise Architecture, including what it is and what it is used for • Coordinating EA development across the EA Landscape and business cycle • Using the ADM to develop an Enterprise Architecture • Guidance on using an Enterprise Architecture • Guidance on maintaining an Enterprise Architecture

The trendsetting architect Rem Koolhaas has carried it out to perfection, whereas the next generation of international stars refined it even more, giving us the unconventional presentation of designs and ideas in the form of diagrams. This method of presentation is easy to understand when dealing with the client and can be communicated internationally, beyond

language and cultural barriers – a product of our globalised world. However, diagrams are now much more than explanations and form their own discipline in creative professions connected to design and construction. What looks simple is in fact a complex matter. This title in the series Construction and Design Manual is in its second edition and assembles 384 pages of diagrams by avant-garde architects and designers who specialise in public space, landscape architecture and urban planning.