
Introduction To Enterprise Architecture An First Edition

Enterprise Application Architecture with .NET Core

Combining Business Process Management and Enterprise Architecture for Better Business Outcomes

Principle Based Enterprise Architecture

Masterclass Enterprise Architecture Management

Pragmatic Enterprise Architecture

Enterprise Architecture

Chess and the Art of Enterprise Architecture

An Introduction to Enterprise Architecture

Certified Enterprise Architect All-in-One Exam Guide

Modeling Enterprise Architecture with TOGAF

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Open Enterprise Security Architecture O-ESA

Enterprise Architecture at Work

An Introduction to Enterprise Architecture

Architecture Principles

An Introduction to Enterprise Architecture

Guide to Enterprise IT Architecture

Handbook of Enterprise Systems Architecture in Practice

Enterprise Architecture for Strategic Management of Modern IT Solutions

The Practice of Enterprise Architecture

Enterprise Software Architecture and Design

An Introduction to Holistic Enterprise Architecture

From Enterprise Architecture to IT Governance

Enterprise Architecture at Work

TOGAF® Version 9.1

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An First Edition*

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SWANSON FARLEY

**Enterprise Application Architecture
with .NET Core** Springer Science &
Business Media

This book fills a gap between high-level
overview texts that are often too general
and low-level detail oriented technical
handbooks that lose sight the "big
picture". This book discusses SOA from the
low-level perspective of middleware,

various XML-based technologies, and basic
service design. It also examines broader
implications of SOA, particularly where it
intersects with business process
management and process modeling.
Concrete overviews will be provided of the
methodologies in those fields, so that
students will have a hands-on grasp of
how they may be used in the context of
SOA.

**Combining Business Process
Management and Enterprise
Architecture for Better Business
Outcomes** John Wiley & Sons

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.

Principle Based Enterprise

Architecture Springer Science & Business Media

The Principle Based Enterprise Architecture (PBEA) Method is a proven approach for implementing an enterprise-wide architecture practice in large- and medium-sized technology organizations. The method begins with a set of architecture objectives linked to concepts that matter to the business. It then lays out how to build technology platforms from components we call assets and how to manage those assets over time, through the calculation and management of technical debt. The PBEA method is a pragmatic approach to enterprise technology architecture which is based on the fundamental tenet that technology is never perfect, compromises must be made, and one of the most valuable functions an enterprise architecture group

can provide for a company is a method for managing those compromises. We call the cost of these compromises "technical debt". It is essentially the difference between what we should have spent on technology and what we did spend. The PBEA method grew from the experience of watching how large technology organizations function (or do not function as the case may be). You will learn about such essential topics as: Best practices for building, managing, and ultimately evolving an enterprise architecture. Defining principles and golden rules to guide the high-quality creation of the building blocks of products and platforms (assets). Calculating technical debt and assessing the business risk associated with carrying that debt. Identifying and managing the actions required to pay off technical debt and mitigate any associated business risk. If you have witnessed products and platforms 'collapsing under the burden of technical debt', then this book is for you. If you have seen technology organizations fail to learn from their mistakes, then this book is also for you. If you have been involved in the development of products where Version 2

required almost a rewrite of Version 1 or worked in technology organizations that spend an excessive portion of their budget on maintenance, then the PBEA method may provide both insight and benefit. Or if you are an enterprise architect and have witnessed one or more Enterprise Architecture functions get eliminated because they were seen as 'too ivory tower' and too distant from the customer, then this book will provide you with a concrete, fact-based approach for building an enterprise architecture function that is fully aligned with business objectives and that delivers real measurable benefit to the corporation.

[Masterclass Enterprise Architecture Management](#) Springer Science & Business Media

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. *Pragmatic Enterprise Architecture* Harvard Business Press Information Security professionals today have to be able to demonstrate their security strategies within clearly demonstrable frameworks, and show how these are driven by their organization's business priorities, derived from sound risk management assessments. This *Open Enterprise Security Architecture (O-ESA) Guide* provides a valuable reference resource for practising security architects and designers explaining the key security issues, terms, principles, components, and concepts underlying security-related decisions that security architects and designers have to make. In doing so it helps in explaining their security architectures and related decision-making processes to their enterprise architecture colleagues. The description avoids excessively technical presentation of the issues and concepts, so making it also an eminently digestible reference for business managers - enabling them to

appreciate, validate, and balance the security architecture viewpoints along with all the other viewpoints involved in creating a comprehensive enterprise IT architecture.

Enterprise Architecture 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.

Chess and the Art of Enterprise Architecture Springer Science & Business Media

"This book is a valuable addition to the reading list of executives, managers, and staff in business, government, and other sectors who seek to keep their enterprises agile and efficient as they manage change, implement new business processes and supporting technologies, and pursue important strategic goals"--

Provided by publisher.

An Introduction to Enterprise Architecture Springer Nature

The popularity of enterprise architecture (EA) has increased in the last two decades, in both business and academic domains. Despite the cumulative interest from all sectors, the implementation and practice of EA have been entangled with numerous challenges and complexities.

Consequently, some organisations continue to theorise the concept, which has ramifications on practice and return on investment (ROI). This has led to many studies that have been conducted, to understand the complexities impacting the implementation and practice of EA in organisations. Yet, the trajectory of some convolutions remains mystery in many quarters. This attributes to the struggle to articulate the value of EA in many environments. Hence many organisations find it difficult to apply EA for strategic management of modern information technology (IT) solutions. Enterprise Architecture for Strategic Management of Modern IT Solutions provides guidance on how to employ EA in deploying and managing IT solutions from pragmatic and

implementable strategies' perspectives. Until now, implementation and practice of EA have been slow, despite its growing popularity and interest from all sectors. The author employs sociotechnical theories such as actor-network theory (ANT) and structuration theory (ST) as lenses to examine and explain why and how challenges and complexities exist and derail the implementation or practice of EA in organisations. By doing so, this serves to enable practitioners and readers to gain fresh insights on why the challenges exist and how they can be addressed in creating collaborative capabilities for business enhancement, sustainability, and competitiveness. The book provides detailed insights on how to apply EA for organisational purposes, from three main fronts. First, it explains the implications that lack of understanding of EA have on organisational activities and processes. Second, it examines the challenges and complexities that hinder the implementation and practice of EA in organisations. Third, it proposes models and frameworks on how EA can be applied for strategic management of modern IT solutions in organisations. Written for

postgraduates, researchers, academics, and professionals in the fields of EA, IT, and information systems, this book provides a valuable resource that will enable and enhance implementation and practice of EA including future studies.

Certified Enterprise Architect All-in-One Exam Guide AuthorHouse

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.

Modeling Enterprise Architecture with TOGAF Springer Science & Business Media

A bicycle shed is a building, but the Lincoln Cathedral is a piece of architecture. -Nicholaus Pevsner, architectural historian

Traditional building architecture and enterprise architecture use similar processes for developing their respective end products. The architect calls upon architecture's first principles and combines them with the experience of doing architecture in the real world. Experienced architects apply first principles and add practical experience to integrate fit, balance and compromise into the architectural process. Qualified enterprise architects possess applied first

principles including the understanding that most architectural decisions are driven by business decisions, particularly business investment decisions. This book brings the reader the insights from two enterprise architects with decades of real-world experience. The book consolidates the examples and experiences of innovative uses of enterprise architecture in enhancing transformation initiatives. The book clearly fills a gap in the current literature, and amplifies the role of enterprise architecture in building future-ready enterprises, an essential trait of all successful enterprises. Read it, learn from it, and put it to work for the future of your enterprise.

Enterprise Architecture as Strategy

CRC Press

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.

Building an Enterprise Architecture Practice Packt Publishing Ltd

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.

Open Enterprise Security Architecture O-ESA IGI Global

This book endeavors to help further lift the discipline of EA by providing a reference architecture for an EA function and taking an EA approach to its analysis and documentation. By doing so it aims to demonstrate, explain and rationalize why and how to do and manage good, proper and successful EA. **** The book outlines the key drivers and components of an EA function, including the influences on and objectives of EA and the business and

technology processes and resources required and used to address and achieve these. **** At the end of each architectural layer section of the book, tips and suggestions are provided on how to identify and assess what is important when one architects both the enterprise and EA function from that layer's perspective. **** For example, keeping on point and avoiding being pushed into related, but non-EA activities; buying time to do things properly while still being responsive and agile to changes in enterprise drivers; fitting into the organization's governance structure; building a capability not just delivering a series of non-repeatable, point-sensitive EA services are just some of the many challenges facing Enterprise Architects that the book deals with. **** As a reference architecture typically describes a complete target architecture, and a complete architecture can take a long time to develop and fine tune, more than can be expected within a single release or project or within the time frame that initial outcomes are required by EA stakeholders and customers, the book takes a look at the different capability increments or

themes that might be pursued to meet the differing EA needs and expectations of different enterprises. **** To ensure the reference architecture incorporates best practices in EA, it is built on the concepts and principles of EA outlined in Dr Scott Bernard's book, 'An Introduction to Enterprise Architecture, EA3', and his EA training program and certification courses. Both of which in turn build on the EA experiences and practices of EA practitioners over near to three decades. **** While there are a number of useful and informative EA frameworks and books available guiding organizations on what EA should deliver, organizations and individuals are still left without the one thing that they themselves espouse for the enterprise at large, a target architecture. One that can be used to guide the alignment of EA to the enterprise and that can maximize the effectiveness of the planning and oversight and the formation and execution of EA. This leaves many decisions to be made in the absence of sound, communicable, measurable and transparent views as to why and what to strive for when doing EA.

[Enterprise Architecture at Work](#) Van Haren

This reference provides a practical introduction to PEA (pragmatic enterprise architecture framework) and its use in enterprise-architecture practice for those who want to explore how to get an enterprise on track with EA.

An Introduction to Enterprise Architecture
Van Haren

This handbook is about methods, tools and examples of how to architect an enterprise through considering all life cycle aspects of Enterprise Entities. It is based on ISO15704:2000, or the GERAM Framework. A wide audience is addressed, as the handbook covers methods and tools necessary to design or redesign enterprises, as well as those necessary to structure the implementation into manageable projects.

Architecture Principles Anclote Press

This book presents a comprehensive overview of enterprise architecture management with a specific focus on the business aspects. While recent approaches to enterprise architecture management have dealt mainly with aspects of information technology, this book covers all areas of business architecture from business motivation and models to

business execution. The book provides examples of how architectural thinking can be applied in these areas, thus combining different perspectives into a consistent whole. In-depth experiences from end-user organizations help readers to understand the abstract concepts of business architecture management and to form blueprints for their own professional approach. Business architecture professionals, researchers, and others working in the field of strategic business management will benefit from this comprehensive volume and its hands-on examples of successful business architecture management practices.

An Introduction to Enterprise Architecture
Springer

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.

Guide to Enterprise IT Architecture

CRC Press

An Introduction to Enterprise Architecture is the culmination of several decades of experience that I have gained through work initially as an information technology manager and then as a consultant to executives in the public and private sectors. I wrote this book for three major reasons: (1) to help move business and technology planning from a systems and process-level view to a more strategy-driven enterprise-level view, (2) to promote and explain the emerging profession of EA, and (3) to provide the first textbook on the subject of EA, which is suitable for graduate and undergraduate levels of study. To date, other books on EA have been practitioner books not specifically oriented toward a student who may be learning the subject with little to no previous exposure. Therefore, this book contains references to related academic research and industry best practices, as well as my own observations about potential future practices and the direction of this emerging profession.

Handbook of Enterprise Systems Architecture in Practice Springer

Science & Business Media

An up-to-date and comprehensive overview of information and database systems design and implementation. The book provides an accessible presentation and explanation of technical architecture for systems complying with TOGAF standards, the accepted international framework. Covering nearly the full spectrum of architectural concern, the authors also illustrate and concretize the notion of traceability from business goals, strategy through to technical architecture, providing the reader with a holistic and commanding view. The work has two mutually supportive foci. First, information technology technical architecture, the in-depth, illustrative and contemporary treatment of which comprises the core and majority of the book; and secondly, a strategic and business context.

Enterprise Architecture for Strategic Management of Modern IT Solutions
Springer

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 and the other techniques presented have been proven in practice in many real-life case studies. 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.

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