

An Introduction To Enterprise Architecture Third Edition

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It is your unconditionally own times to bill reviewing habit. accompanied by guides you could enjoy now is **An Introduction To Enterprise Architecture Third Edition** below.

Enterprise Business Architecture - Ralph Whittle 2016-04-19

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
[Enterprise Architecture for Strategic Management of Modern IT Solutions](#) - Tiko

Iyamu 2022

"This book provides guidance on how to employ enterprise architecture (EA) in deploying and managing information technology (IT) solutions from the perspectives of pragmatic strategies. It uses sociotechnical theories such as actor-network theory (ANT) and structuration theory (ST) as lenses to examine challenges and complexities of EA"--

Force.com Enterprise Architecture - Andrew Fawcett 2017-03-31

Architect and deliver packaged Force.com applications that cater to enterprise business needs About This Book Explore the lightning framework, advanced application life cycle processes, and testing Use the Force.com platform to build truly integrated, scalable, and robustly engineered applications focused on enterprise-level customer demands Using the Lightning technology to deliver modern and responsive user experiences targeting multiple devices through Lightning Experience and

Salesforce1 Mobile. Step-by-step, work on examples to get you building your own ready-to-install packaged application Who This Book Is For This book is for advanced Force.com developers and architects who need to understand the Salesforce platform from the perspective of enterprise-level requirements. A prior understanding of Apex and Visualforce is a must. Those familiar with other enterprise software ecosystems will also find this book ideal as they adopt Force.com. What You Will Learn Package, install, test, and upgrade an application Define architecture-aligning data storage and functional requirements Develop Apex code that is easy to navigate, self-documenting, testable, robust, and organic Leverage your application's clientagnostic Service layer backbone to support numerous platform areas Get the most from hosting your application within the Lightning Experience and Salesforce1 Mobile clients Apply querying, indexing, and asynchronous best practices

Leverage mocking and dependency injection in your Apex tests Explore tips for developing advanced applications In Detail Companies of all sizes have seen the need for Force.com's architectural strategy focused on enabling their business objectives. Successful enterprise applications require planning, commitment, and investment in the best tools, processes, and features available. This book will teach you how to architect and support enduring applications for enterprise clients with Salesforce by exploring how to identify architecture needs and design solutions based on industry standard patterns. There are several ways to build solutions on Force.com, and this book will guide you through a logical path and show you the steps and considerations required to build packaged solutions from start to finish. It covers all aspects, from engineering to getting your application into the hands of your customers, and ensuring that they get the best value possible from your Force.com application. You

will get acquainted with extending tools such as Lightning App Builder, Process Builder, and Flow with your own application logic. In addition to building your own application API, you will learn the techniques required to leverage the latest Lightning technologies on desktop and mobile platforms. Style and approach The book takes a straightforward approach, taking apart the Force.com architecture for you to gain a deep understanding of how you can implement the Salesforce platform based on enterprise-level requirements.

The Practice of Enterprise Architecture - Svyatoslav Kotusev 2021-01-15

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.

Enterprise Integration and Information Architecture - Li Da Xu 2014-07-10

Enterprise solutions have emerged as promising tools for integrating and extending business processes across business functions. Supplying a clear and comprehensive introduction to the field, this book provides a detailed description of enterprise information integration-from the development of enterprise systems to extended enterprise information

Handbook of Public Information Systems -

Kenneth Christopher 2005-03-29

Delivering IT projects on time and within budget while maintaining privacy, security, and accountability is one of the major public challenges of our time. The Handbook of Public Information Systems, Second Edition addresses all aspects of public IT projects while emphasizing a common theme: technology is too important to leave to the technocrats.

Enterprise Architecture Patterns -

Thierry Perroud 2013-07-19

Every enterprise architect faces similar problems when designing and governing the

enterprise architecture of a medium to large enterprise. Design patterns are a well-established concept in software engineering, used to define universally applicable solution schemes. By applying this approach to enterprise architectures, recurring problems in the design and implementation of enterprise architectures can be solved over all layers, from the business layer to the application and data layer down to the technology layer. Inversini and Perroud describe patterns at the level of enterprise architecture, which they refer to as Enterprise Architecture Patterns. These patterns are motivated by recurring problems originating from both the business and the underlying application, or from data and technology architectures of an enterprise such as identity and access management or integration needs. The Enterprise Architecture Patterns help in planning the technological and organizational landscape of an enterprise and its information technology, and are easily embedded into

frameworks such as TOGAF, Zachman or FEA. This book is aimed at enterprise architects, software architects, project leaders, business consultants and everyone concerned with questions of IT and enterprise architecture and provides them with a comprehensive catalogue of ready-to-use patterns as well as an extensive theoretical framework to define their own new patterns.

Data Management at Scale - Piethein Strengholt 2020-07-29

As data management and integration continue to evolve rapidly, storing all your data in one place, such as a data warehouse, is no longer scalable. In the very near future, data will need to be distributed and available for several technological solutions. With this practical book, you'll learn how to migrate your enterprise from a complex and tightly coupled data landscape to a more flexible architecture ready for the modern world of data consumption. Executives, data architects, analytics teams, and compliance

and governance staff will learn how to build a modern scalable data landscape using the Scaled Architecture, which you can introduce incrementally without a large upfront investment. Author Piethein Strengholt provides blueprints, principles, observations, best practices, and patterns to get you up to speed. Examine data management trends, including technological developments, regulatory requirements, and privacy concerns Go deep into the Scaled Architecture and learn how the pieces fit together Explore data governance and data security, master data management, self-service data marketplaces, and the importance of metadata

Enterprise Architecture for Global Companies in a Digital IT Era - Yoshimasa Masuda 2019-01-24

This book investigates solutions incorporated by architecture boards in global enterprises to resolve issues and mitigate related architecture risks, while also proposing and implementing an

adaptive integrated digital architecture framework (AIDAF) and related models and approaches/platforms, which can be applied in companies to promote IT strategies using cloud/mobile IT/digital IT. The book is divided into three main parts, the first of which (Chapters 1-2) addresses the background and motivation for AIDAF aligned with digital IT strategies. The second part (Chapter 3) provides an overview of strategic enterprise architecture (EA) frameworks for digital IT, elaborates on the essential elements of EA frameworks in the digital IT era, and advocates using AIDAF, models for architecture assessment/risk management, knowledge management on digital platforms. In turn, the third part (Chapters 4-7) demonstrates the application and benefits of AIDAF and related models, as shown in three case studies. "I found this book to be a very nice contribution to the EA community of practice. I can recommend this book as a textbook for digital IT strategists/practitioners, EA

practitioners, students in universities and graduate schools." (From the Foreword by Scott A. Bernard) "In this new age of the digital information society, it is necessary to advocate a new EA framework. This book provides state-of-the-art knowledge and practices about EA frameworks beneficial for IT practitioners, IT strategists, CIO, IT architects, and even students. It serves as an introductory textbook for all who drive the information society in this era." (From the Foreword by Jun Murai)

Coherency Management - Gary Doucet 2009
The book introduces the idea of Coherency Management, and asserts that this is the primary outcome goal of an enterprise's architecture. With submissions from over 30 authors and co-authors, the book reinforces the idea that EA is being practiced in an ever-increasing variety of circumstances - from the tactical to the strategic, from the technical to the political, and with governance that ranges from sell to tell. The characteristics, usages,

value statements, frameworks, rules, tools and countless other attributes of EA seem to be anything but orderly, definable, classifiable, and understandable as might be hoped given heritage of EA and the famous framework and seminal article on the subject by John Zachman over two decades ago. Notably, EA is viewed as an Enterprise Design and Management approach, adopted to build better enterprises, rather than a IT Design and Management approach limited to build better systems.

Collaborative Enterprise Architecture - Stefan Bente 2012-09-01

Ever-changing business needs have prompted large companies to rethink their enterprise IT. Today, businesses must allow interaction with their customers, partners, and employees at more touch points and at a depth never thought previously. At the same time, rapid advances in information technologies, like business digitization, cloud computing, and Web 2.0, demand fundamental changes in the enterprises'

management practices. These changes have a drastic effect not only on IT and business, but also on policies, processes, and people. Many companies therefore embark on enterprise-wide transformation initiatives. The role of Enterprise Architecture (EA) is to architect and supervise this transformational journey. Unfortunately, today's EA is often a ponderous and detached exercise, with most of the EA initiatives failing to create visible impact. The enterprises need an EA that is agile and responsive to business dynamics. Collaborative Enterprise Architecture provides the innovative solutions today's enterprises require, informed by real-world experiences and experts' insights. This book, in its first part, provides a systematic compendium of the current best practices in EA, analyzes current ways of doing EA, and identifies its constraints and shortcomings. In the second part, it leaves the beaten tracks of EA by introducing Lean, Agile, and Enterprise 2.0 concepts to the traditional EA methods. This

blended approach to EA focuses on practical aspects, with recommendations derived from real-world experiences. A truly thought provoking and pragmatic guide to manage EA, Collaborative Enterprise Architecture effectively merges the long-term oriented top-down approach with pragmatic bottom-up thinking, and that way offers real solutions to businesses undergoing enterprise-wide change. Covers the latest emerging technologies affecting business practice, including digitization, cloud computing, agile software development, and Web 2.0

Focuses on the practical implementation of EAM rather than theory, with recommendations based on real-world case studies Addresses changing business demands and practices, including Enterprise 2.0, open source, global sourcing, and more Takes an innovative approach to EAM, merging standard top-down and pragmatic, bottom-up strategies, offering real solutions to businesses undergoing enterprise-wide changes

Architecture and Principles of Systems

Engineering - Charles Dickerson 2016-04-19

The rapid evolution of technical capabilities in the systems engineering (SE) community requires constant clarification of how to answer the following questions: What is Systems Architecture? How does it relate to Systems Engineering? What is the role of a Systems Architect? How should Systems Architecture be practiced? A perpetual reassessment of concepts and practices is taking place across various systems disciplines at every level in the SE community. Architecture and Principles of Systems Engineering addresses these integral issues and prepares you for changes that will be occurring for years to come. With their simplified discussion of SE, the authors avoid an overly broad analysis of concepts and terminology. Applying their substantial experience in the academic, government, and commercial R&D sectors, this book is organized into detailed sections on: Foundations of Architecture and Systems Engineering Modeling

Languages, Frameworks, and Graphical Tools
Using Architecture Models in Systems Analysis
and Design Aerospace and Defense Systems
Engineering Describing ways to improve
methods of reasoning and thinking about
architecture and systems, the text integrates
concepts, standards, and terminologies that
embody emerging model-based approaches but
remain rooted in the long-standing practices of
engineering, science, and mathematics. With an
emphasis on maintaining conceptual integrity in
system design, this text describes succinct
practical approaches that can be applied to the
vast array of issues that readers must resolve on
a regular basis. An exploration of the important
questions above, this book presents the authors'
invaluable experience and insights regarding the
path to the future, based on what they have seen
work through the power of model-based
approaches to architecture and systems
engineering.

Salesforce Lightning Platform Enterprise

Architecture - Andrew Fawcett 2019-11-04
A comprehensive guide filled with best practices
and tailor-made examples - a must-read for all
Lightning Platform architects! Key Features Use
the Lightning Platform to build integrated,
scalable, and robust apps focused on enterprise-
level customer demands Use the Lightning
Component framework to deliver modern and
responsive user experiences targeting multiple
devices through Lightning Experience and
Salesforce Mobile Extend your application with
access to external services and AI Book
Description Salesforce Lightning provides a
secure and scalable platform to build, deploy,
customize, and upgrade applications. This book
will take you through the architecture of
building an application on the Lightning
platform to help you understand its features and
best practices, and ensure that your app keeps
up with your customers' increasing needs as
well as the innovations on the platform. This
book guides you in working with the popular

aPaaS offering from Salesforce, the Lightning Platform. You'll see how to build and ship enterprise-grade apps that not only leverage the platform's many productivity features, but also prepare your app to harness its extensibility and customization capabilities. You'll even get to grips with advanced application architectural design patterns such as Separation of Concerns, Unit Testing and Dependency Integration. You will learn to use Apex and JavaScript with Lightning Web Components, Platform Events, among others, with the help of a sample app illustrating patterns that will ensure your own applications endure and evolve with the platform. Finally, you will become familiar with using Salesforce DX to develop, publish, and monitor a sample app and experience standard application life cycle processes along with tools such as Jenkins to implement CI/CD. By the end of this book, you will have learned how to develop effective business apps and be ready to explore innovative ways to meet customer

demands. What you will learn
Create and deploy AppExchange packages and manage upgrades
Understand Enterprise Application Architecture patterns
Customize mobile and desktop user experience with Lightning Web Components
Manage large data volumes with asynchronous processing and big data strategies
Implement Source Control and Continuous Integration
Add AI to your application with Einstein
Use Lightning External Services to integrate external code and data with your Lightning Application
Who this book is for
This book is for Lightning platform developers who want to discover the true potential of the platform to develop complex scalable applications for use in enterprise businesses.

Enterprise Architecture Planning - Steven H. Spewak 1993

Enterprise Architecture Planning (EAP) is a high-level blueprint for data, applications, and technology that is a cost-effective long-term

solution. The authors give you a common-sense approach to EAP, supported by examples of architectures, procedures, checklists, and useful guidelines.

An Introduction to Enterprise Architecture -

Scott A. Bernard 2012

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.

Mastering Archimate Edition III - Gerben

Wierda 2017-08-24

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.

Enterprise Architecture for Integration - Clive

Finkelstein 2006-01-01

The enterprise architecture methods of enterprise engineering as described in this book enable business experts and IT experts together to identify reusable business activities,

processes and integrated databases. Three main sections cover enterprise architecture for managers, methodology, and integration technologies.

The TOGAF® Standard, Version 9.2 - A Pocket Guide - Andrew Josey 2018-04-16

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.

Building an Enterprise Architecture Practice - Martin van den Berg 2007-01-15

This book provides practical advice on how to develop an enterprise architecture practice. The authors developed different tools and models to support organizations in implementing and professionalizing an enterprise architecture function. Coverage applies these tools and models to a number of different organizations and, as a result, will help readers avoid potential pitfalls and achieve success with enterprise architecture.

Enterprise Architecture - Martin Op't Land 2008-12-03

This book is positioned as a first in a series of books on enterprise architecture needed for a Master of Enterprise Architecture program, and is targeted both at university students and practitioners with a drive to increase their

understanding of these 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.

[From Enterprise Architecture to IT Governance](#) - Klaus D. Niemann 2007-08-19

This book shows its readers how to achieve the goal of genuine IT governance. The key here is the successful development of enterprise architecture as the necessary foundation. With its capacity to span and integrate business procedures, IT applications and IT infrastructure, enterprise architecture opens these areas up to analysis and makes them rich sources of critical data. Enterprise architecture thereby rises to the status of a crucial management information system for the CIO.

The focused analysis of the architecture (its current and future states) illuminates the path to concrete IT development planning and the cost-effective and beneficial deployment of IT. Profit from the author's firsthand experience - proven approaches firmly based in enterprise reality.

An Introduction to Enterprise Architecture - Scott A. Bernard 2012-08-13

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 on Enterprise Architecture* - Peter Bernus 2012-12-06

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.

A Reference Architecture for Enterprise Architecture - Philip Woodworth 2013

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.

How to Survive in the Jungle of Enterprise Architecture Frameworks - Jaap Schekkerman 2004

The first Enterprise Architecture book that compares the 14 most popular Enterprise Architecture Frameworks in the world. A unique book for CIO's, Enterprise Architects and all

others interested in EA.

[Information Architecture for the World Wide Web](#) - Louis Rosenfeld 2002

Discusses Web site hierarchy, usability, navigation systems, content labeling, configuring search systems, and managing the information architecture development process.

[Business Architecture Management](#) - Daniel Simon 2015-04-22

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.

Fowler - Martin Fowler 2012-03-09

The practice of enterprise application development has benefited from the emergence of many new enabling technologies. Multi-tiered object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not understand the architectural lessons that experienced object developers have learned. Patterns of Enterprise Application

Architecture is written in direct response to the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology--from Smalltalk to CORBA to Java to .NET--the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. Each pattern provides usage and implementation information, as well as detailed code examples in Java or C#. The entire book is also richly illustrated with UML diagrams to

further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about building an enterprise application and the proven patterns for use when building them. The topics covered include · Dividing an enterprise application into layers · The major approaches to organizing business logic · An in-depth treatment of mapping between objects and relational databases · Using Model-View-Controller to organize a Web presentation · Handling concurrency for data that spans multiple transactions · Designing distributed object interfaces

An Introduction to Holistic Enterprise Architecture - Scott A. Bernard 2020-04-16

This is the only book on holistic (organization-wide) enterprise architecture (EA) that integrates strategic, business, and technology planning. The approach includes detailed information on EA governance, implementation, and use, including an example case study, a new

chapter on solution architecture methods, and a new chapter on the use of EA to support organizational restructuring as part of mergers and acquisitions. Written in plain language, this book is recommended for executives, managers, and staff in large, complex public and private sector organizations that are too silo'd and/or have highly dynamic operating environments. No prior knowledge on the subject is needed.

Enterprise Architecture Function - Ingo Arnold 2022-01-03

This book provides a method to plan, develop, validate, or evolve the design of an enterprise architecture function so that it fully meets the organization's needs. The reader will benefit from this book in two ways. First, it provides a structured overview and orientation to the subject of architecture from an architecture function perspective. Second, it guides through the process of planning, building, and operating your own architecture organization based on a generic architecture function blueprint

presented in the form of a pattern language offering a structured means for navigating, contextualizing, combining, and composing the architecture function patterns. The book is structured in six chapters. Chapter 1 “Introduction” explains the starting position and objectives of the book and introduces key concepts that will be explained further in subsequent chapters. Chapter 2 “Architecture Function Pattern Language” introduces the concepts of pattern, pattern catalogue, pattern topology, and ontology and explains how these concepts are combined to form a pattern language for planning, designing, and operating an architecture function. Next, Chapter 3 “Architecture Function - Context” introduces concepts that are crucial for understanding the challenges that an architecture function faces and presents a generic schema for the business organizations and value chain. Chapter 4 “Architecture Function - Challenge” looks at an architecture function from a black box

perspective and outlines the expectations and requirements that companies place on architecture organizations. It discusses the building blocks of an architecture function, the services it provides along the enterprise value chain, and the quality attributes that enterprises expect from their functions. Chapter 5 “Architecture Function - Constitution” then shifts from a black-box perspective to a white-box perspective and outlines the generic design of an architecture function in order to realize functional and quality-related requirements. Chapter 6 “Pattern Catalogue” eventually introduces the pattern catalogue with a total of 48 architecture function patterns. These patterns suggest designs for collaboration between the architecture function and enterprise organizations, for the elaboration and development of enterprise services along the enterprise value chain, or for aligning architecture governance with enterprise governance. The book is intended for a broad

readership, including enterprise, domain, and solution architects, lecturers and students, and anyone else interested in understanding the value proposition, responsibilities, outcomes, methods, and practices of architecture functions. It introduces the basic concepts and theories needed to understand the pattern language presented and the patterns it summarizes.

Strategic IT Management - Inge Hanschke
2009-12-05

For you as an IT manager, changes in business models and fast-paced innovation and product lifecycles pose a big challenge: you are required to anticipate the impact of future changes, and to make rapid decisions backed up by solid facts. To be successful you need an overall perspective of how business and IT interact. What you need is a toolkit, enabling you to manage the enterprise from a helicopter viewpoint while at the same time accommodating quite detailed aspects of processes, organization, and software lifecycles. Strategic IT management embraces

all the processes required to analyze and document an enterprise's IT landscape. Based on the experience of many projects and long discussions with both customers and academic researchers, Inge Hanschke provides you with a comprehensive and practical toolkit for the strategic management of your IT landscape. She takes a holistic view on the management process and gives guidelines on how to establish, roll out, and maintain an enterprise IT landscape effectively. She shows you how to do it right first time - because often enough there's no second chance. She tells you how to tidy up a IT patchworks - the first step towards strategic management - and she gives you advice on how to implement changes and maintain the landscape over time. The book's structure reflects the patterns that exist in strategic IT management from strategic planning to actual implementation. The presentation uses many checklists, guidelines, and illustrations, which will help you to immediately apply the content.

So, if you are a CIO, an IT manager, a business manager, or an IT consultant, this is the book from which you'll benefit in most daily work situations.

Enterprise Architecture as Strategy - Jeanne W. Ross 2006

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.

IT Infrastructure Architecture - Infrastructure Building Blocks and Concepts Second Edition - Sjaak Laan 2012-12-16

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.

Masterclass Enterprise Architecture Management - Jürgen Jung

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.

Strategic Enterprise Architecture Management -
Frederik Ahlemann 2012-01-05

The Enterprise Architecture Management (EAM) discipline deals with the alignment of business and information systems architectures. While EAM has long been regarded as a discipline for IT managers, this book takes a different stance: It explains how top executives can use EAM to leverage their strategic planning and controlling processes, as well as how it can contribute to their sustainable competitive advantage. Based

on the analysis of best practices from eight leading European companies from various industries, the book presents the crucial elements of successful EAM. It outlines what executives need to do in terms of governance, processes, methodologies, and culture in order to bring their management to the next level. Beyond this, the book points out how EAM could develop in the next decade, thus allowing today's managers to prepare for the future architecture management.

Enterprise Governance and Enterprise Engineering - Jan A. P. Hoogervorst 2009-02-19
Achieving enterprise success necessitates addressing enterprises in ways that match the complexity and dynamics of the modern enterprise environment. However, since the majority of enterprise strategic initiatives appear to fail - among which those regarding information technology - the currently often practiced approaches to strategy development and implementation seem more an obstacle than

an enabler for strategic enterprise success. Two themes underpin the fundamentally different views outlined in this book. First, the competence-based perspective on governance, whereby employees are viewed as the crucial core for effectively addressing the complex, dynamic and uncertain enterprise reality, as well as for successfully defining and operationalizing strategic choices. Second, enterprise engineering as the formal conceptual framework and methodology for arranging a unified and integrated enterprise design, which is a necessary condition for enterprise success. Jan Hoogervorst's presentation, which is based on both research and his professional background at Sogeti B.V., aims at professionals in management and consulting as well as students in management science and business information systems.

Architecture Principles - Danny Greefhorst
2011-04-29

Enterprises, from small to large, evolve

continuously. As a result, their structures are transformed and extended continuously. Without some means of control, such changes are bound to lead to an overly complex, uncoordinated and heterogeneous environment that is hard to manage and hard to adapt to future changes. Enterprise architecture principles provide a means to direct transformations of enterprises. As a consequence, architecture principles should be seen as the cornerstones of any architecture. In this book, Greefhorst and Proper focus on the role of architecture principles. They provide both a theoretical and a practical perspective on architecture principles. The theoretical perspective involves a brief survey of the general concept of principle as well as an analysis of different flavors of principles. Architecture principles are regarded as a specific class of normative principles that direct the design of an enterprise, from the definition of its business to its supporting IT. The practical perspective on architecture principles is concerned with an

approach to the formulation of architecture principles, as well as their actual use in organizations. To illustrate their use in practice, several real-life cases are discussed, an application of architecture principles in TOGAF is included, and a catalogue of example architecture principles is provided. With this broad coverage, the authors target students and researchers specializing in enterprise architecture or business information systems, as well as practitioners who want to understand the foundations underlying their practical daily work.

Modeling Enterprise Architecture with TOGAF - Philippe Desfray 2014-08-04

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

Enterprise Architecture at Work - Marc Lankhorst 2012-08-20

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.

Business Process Change - Paul Harmon
2014-04-26

Business Process Change, 3rd Edition provides a balanced view of the field of business process change. Bestselling author Paul Harmon offers concepts, methods, cases for all aspects and

phases of successful business process improvement. Updated and added for this edition is new material on the development of business models and business process architecture development, on integrating decision management models and business rules, on service processes and on dynamic case management, and on integrating various approaches in a broad business process management approach. New to this edition: How to develop business models and business process architecture How to integrate decision management models and business rules New material on service processes and on dynamic case management Learn to integrate various approaches in a broad business process management approach Extensive revision and update addresses Business Process Management Systems, and the integration of process redesign and Six Sigma Learn how all the different process elements fit together in this best first book on business process, now completely

updated Tailor the presented methodology,
which is based on best practices, to your
organization's specific needs Understand the

human aspects of process redesign Benefit from
all new detailed case studies showing how these
methods are implemented